

West Des Moines, IA

PROJECT: Cherokee Co, FY26-28 On-Call Support, IA 27225283.00 DATE: 7/31/2026

SUBJECT: Cherokee County Sanitary Landfill - 18-SDP-01-75P - Response to Comments Regarding the 2025 Annual Water Quality Report TRANSMITTAL ID: 00001

PURPOSE: For your approval VIA: Info Exchange

FROM

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

TO

NAME	COMPANY	EMAIL	PHONE
Alexis Slade		alexis.slade@dnr.iowa.gov	

REMARKS: Alexis -

SCS Engineers, on behalf of the Cherokee County Solid Waste Commission, is submitting the Response to Comments Regarding the 2025 Annual Water Quality Report, for the Cherokee County Sanitary Landfill. If you have any questions or comments regarding this response, please contact me at the number below.

Thanks,

Sean A. Marczewski
Senior Project Professional
SCS Engineers
1690 All-State Court, Suite 100
West Des Moines, Iowa 50265
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DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	7/31/2026	2026-07-31_Cherokee County Sanitary Landfill_2025 AWQR Comment Letter Response_v1.0.pdf	

Transmittal

DATE: 7/31/2026
TRANSMITTAL ID: 00001

COPIES:

Sean Marczewski	(SCS Engineers)
Nathan Ohrt	(SCS Engineers)
Tony Agnitsch	(Cherokee County Solid Waste Commission)
Becky Jolly	

July 31, 2026
File No. 27225283.00

Ms. Alexis Slade
Iowa Department of Natural Resources
Land Quality Bureau
6200 Park Avenue
Des Moines, IA 50321

Subject: Response to Comments Regarding the 2025 Annual Water Quality Report
Cherokee County Sanitary Landfill
Permit No. 18-SDP-01-75P

Dear Alexis:

On behalf of the Cherokee County Solid Waste Commission (Commission), SCS Engineers (SCS) is submitting this response to Iowa Department of Natural Resources (DNR) comments in correspondence, dated June 8, 2026 (Doc #117306), regarding the 2025 Annual Water Quality Report for the Cherokee County Sanitary Landfill (Landfill), dated February 20, 2026 (Doc #116199). The DNR comment is repeated below in *italics*, followed by the response.

1. *According to the sampling schedule, MW-7 was supposed to have full Appendix II and TSS sampling performed in 2025, but it does not appear this occurred. Please provide the sampling results.*

Monitoring well MW-7 was sampled for Appendix II and TSS in 2025. However, the laboratory analytical data sheets for the 2nd 2025 semi-annual groundwater sampling event were inadvertently omitted from Appendix B-1 of the 2025 Annual Water Quality Report. These data sheets are included as **Attachment A** to this response.

2. *According to the data validation documentation (Appendix B-2), multiple quality control issues were presented. Please clarify the impact these could have on sampling results.*

Multiple continuing calibration verification (CCV) quality control issues were reported for both 2025 sampling events. According to the laboratory, the CCV was analyzed and found to be outside of the acceptance criteria. The laboratory control sample (LCS) was analyzed directly after the CCV and met acceptance criteria, indicating that the instrument results were valid for reporting the data.

When sampling for volatile organic compounds (VOCs), trip blanks are placed in each cooler that contains VOC sample vials. Trip blank vials are provided by the laboratory, prefilled with lab-grade deionized water. According to the laboratory, the related trip blank sample results are valid, but it is required to report if there is headspace in the vials.

An internal standard response was outside of the acceptance limits for MW-7 during the 2nd 2025 sampling event. This resulted in the data being biased high. However, even with the high bias, the affected sample analyte results were non-detect, and therefore, the data were acceptable and reported.



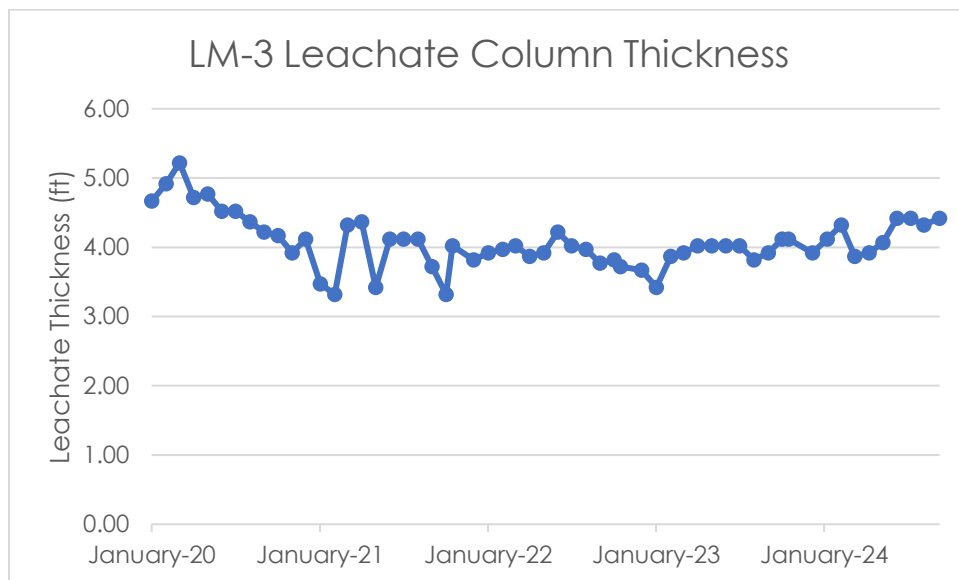
The temperature of a sample cooler during the 1st 2025 sampling event was incorrectly reported as not meeting the acceptable criteria in the data validation documentation (Appendix B-2). The cooler temperature was measured at 5.5 °C, and the maximum acceptable temperature is 6 °C.

Sample analyses that did not meet holding times will be flagged and removed from the dataset.

According to the laboratory, the provided preserved sample bottles occasionally do not sufficiently preserve the samples, usually due to the sample matrix. Samples that did not meet the required pH preservation requirements were adjusted to the appropriate pH in the laboratory, and this did not affect the sample results.

3. *The DNR acknowledges the obstruction in LM-3 as noted. Please provide a timeframe of when you are expecting to clear the obstruction. Meanwhile, please continue to operate and monitor the system in accordance with the permit and regulations.*

SCS and the Landfill Manager investigated the obstruction in LM-3 on June 11, 2026, and determined that the piezometer had broken or kinked approximately 11 feet below the top of the casing, preventing a leachate level measurement. Review of historical monitoring data indicates that leachate levels in LM-3 have remained stable from January 2020 through September 2024, when the last successful measurement was obtained, as shown in the graph below. Additionally, no evidence of leachate seeps has been observed during historical annual Landfill inspections in the Original Fill Area, with the most recent inspection occurring on March 20, 2026 (Doc #117005). LM-3 is located within the Original Fill Area at the midpoint of the ravine, while LM-2 is located in Area B at the lowest point of the ravine underlying both the Original Fill Area and Area B. LM-2 will continue to be used for system monitoring because it represents the lowest point within the ravine. A site map showing the ravine contours and the locations of LM-2 and LM-3 is included herein. Based on the historically stable leachate level trend in LM-3 and the continued monitoring provided by LM-2, it is requested that LM-3 be removed from the monitoring network.

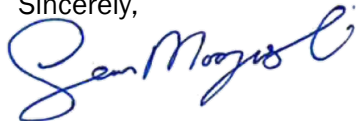


4. *The DNR remains concerned about the single probe (GP-2) that measured 100% of the Lower Explosive Limit so close to the HHW facility, even with all other probes measuring 0%. As requested previously, please provide a schedule for the installation of a continuous explosive gas monitor for the building. Meanwhile, please continue to operate and monitor the system in accordance with the permit and regulations.*

The Commission has been seeking quotes for a continuous explosive gas monitor for the HHW facility. It is anticipated that a monitoring system will be selected and installed in August or September 2026.

If you have any questions regarding this response, please contact Sean Marczewski at (712) 661-9682.

Sincerely,



Sean Marczewski
Senior Project Professional
SCS Engineers

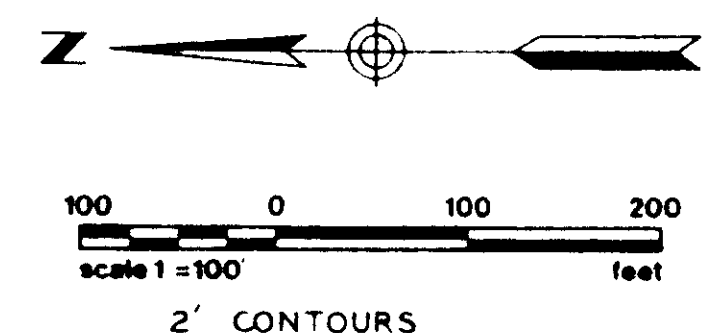
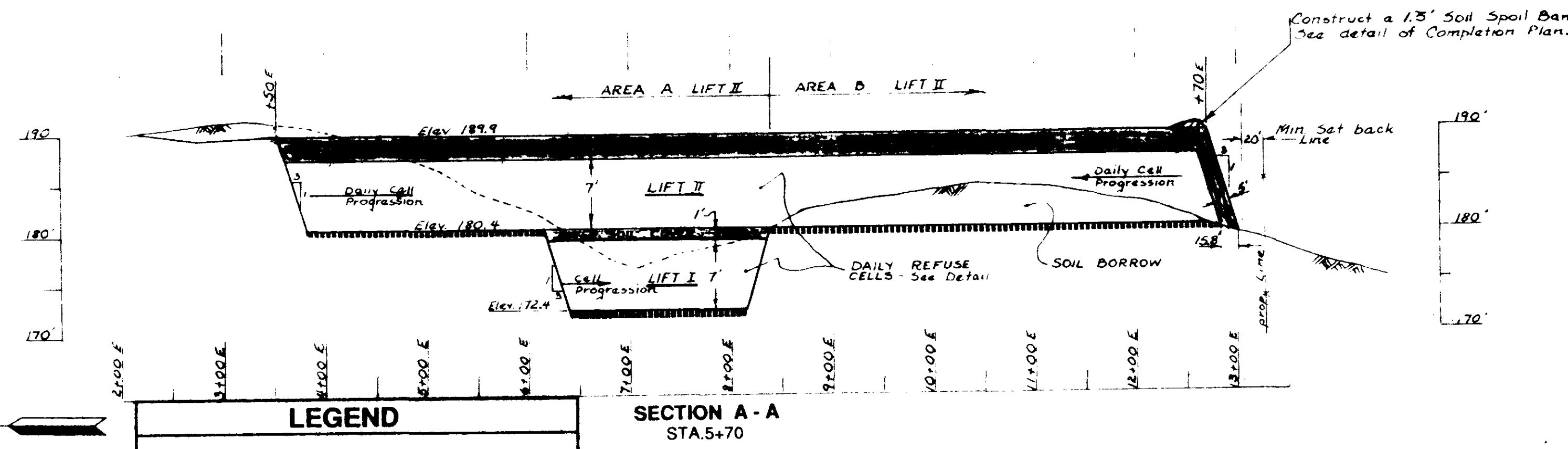
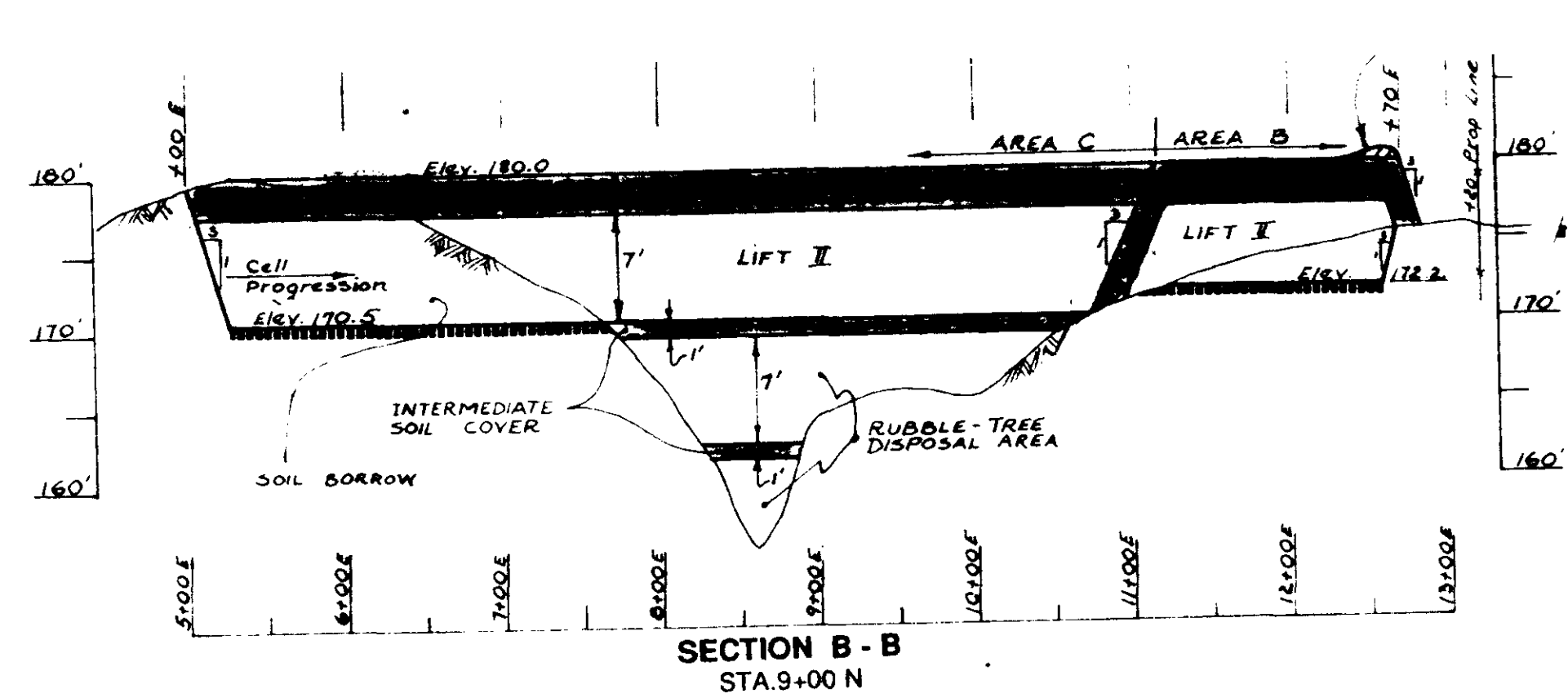


Nathan Ohrt
Senior Project Professional
SCS Engineers

SAM/NPO

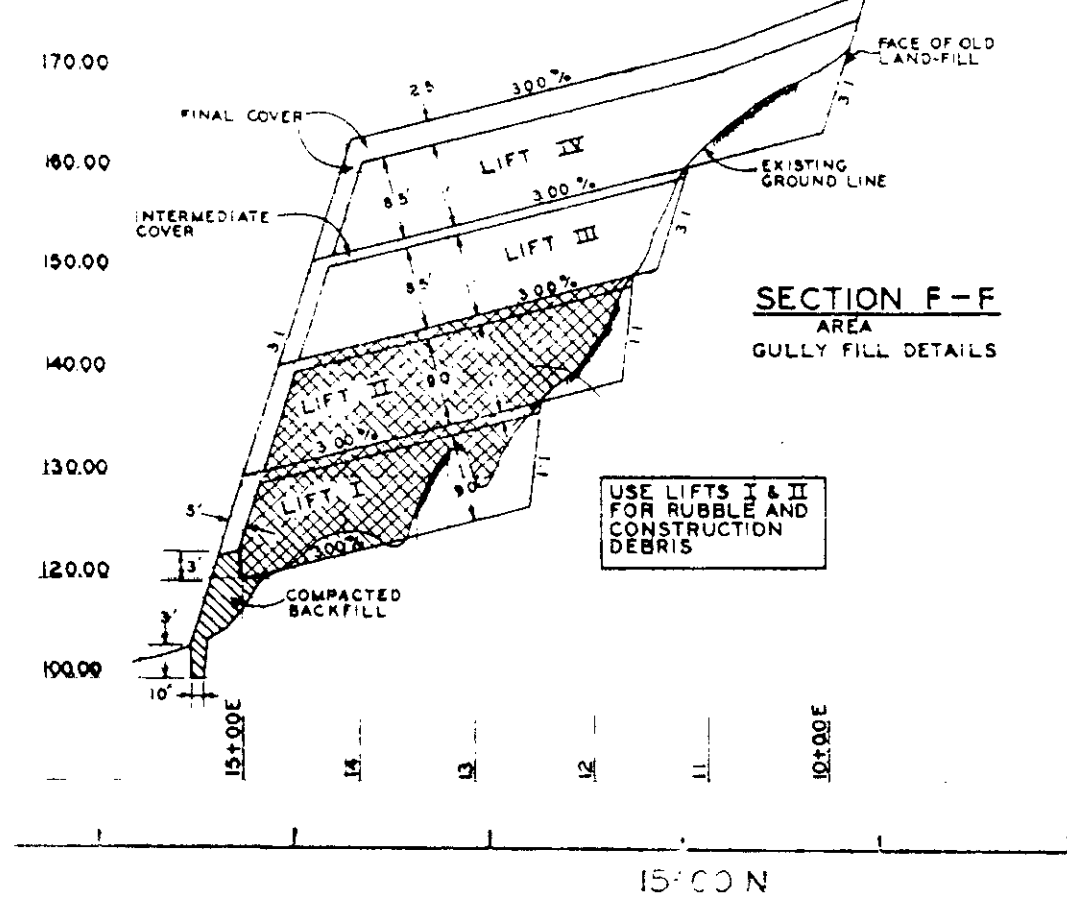
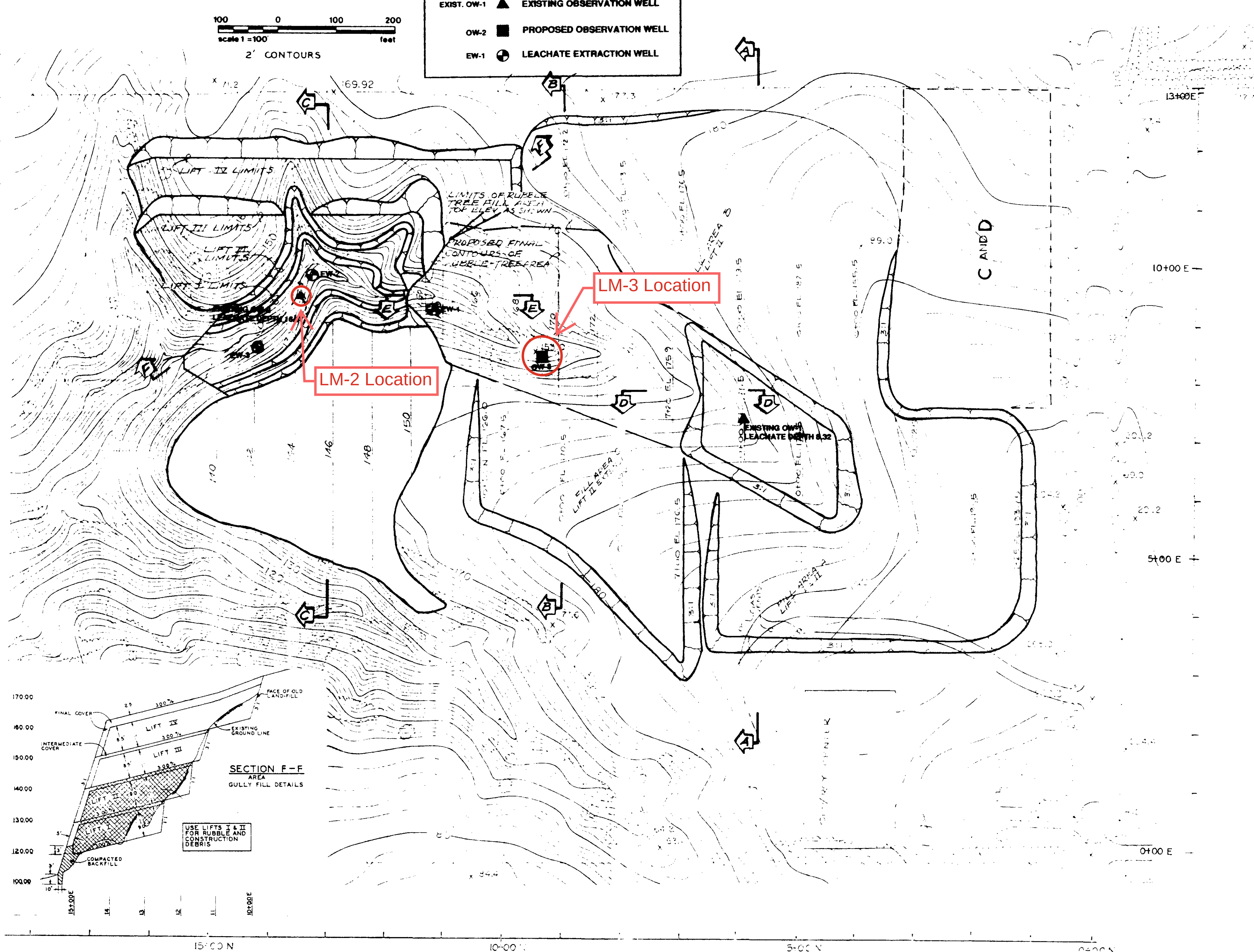
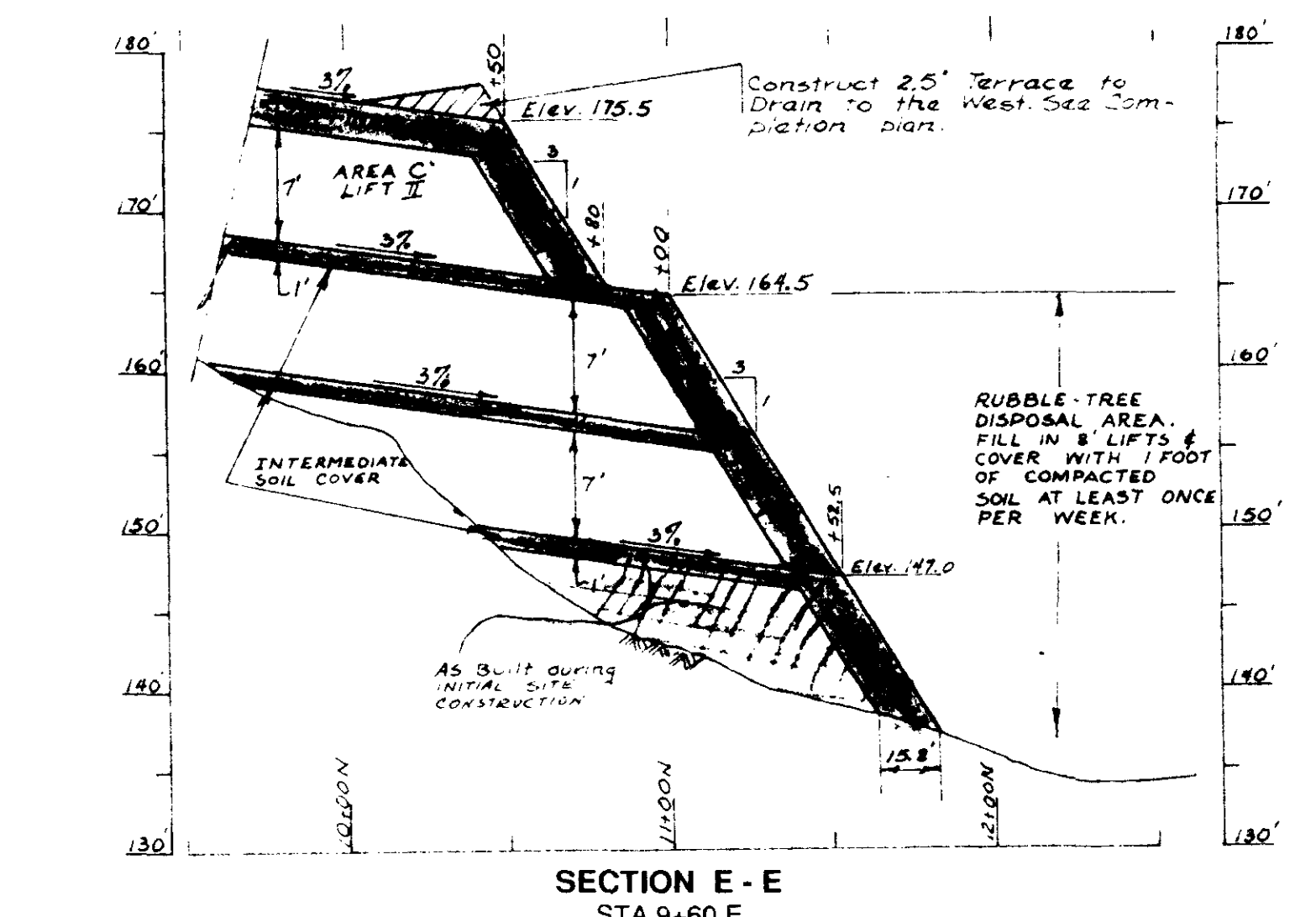
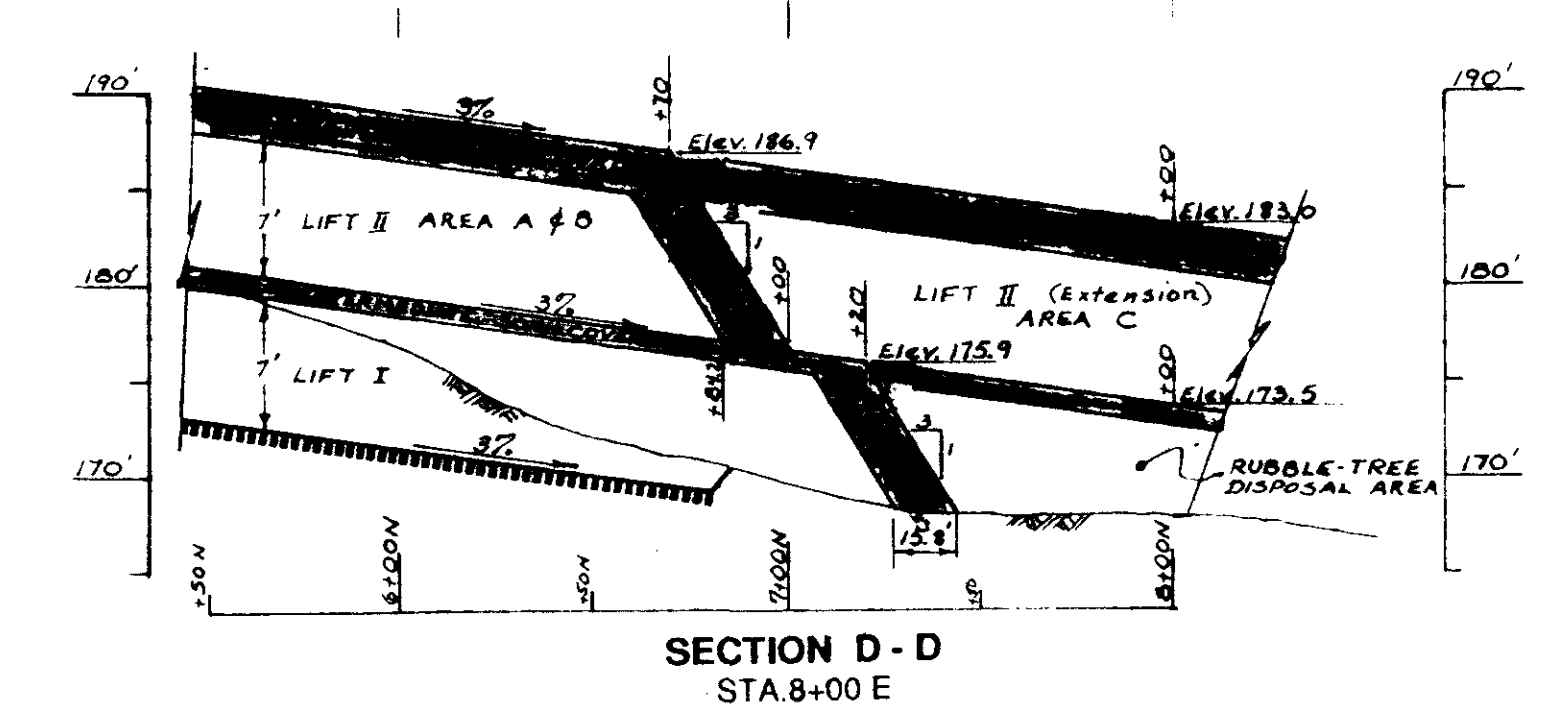
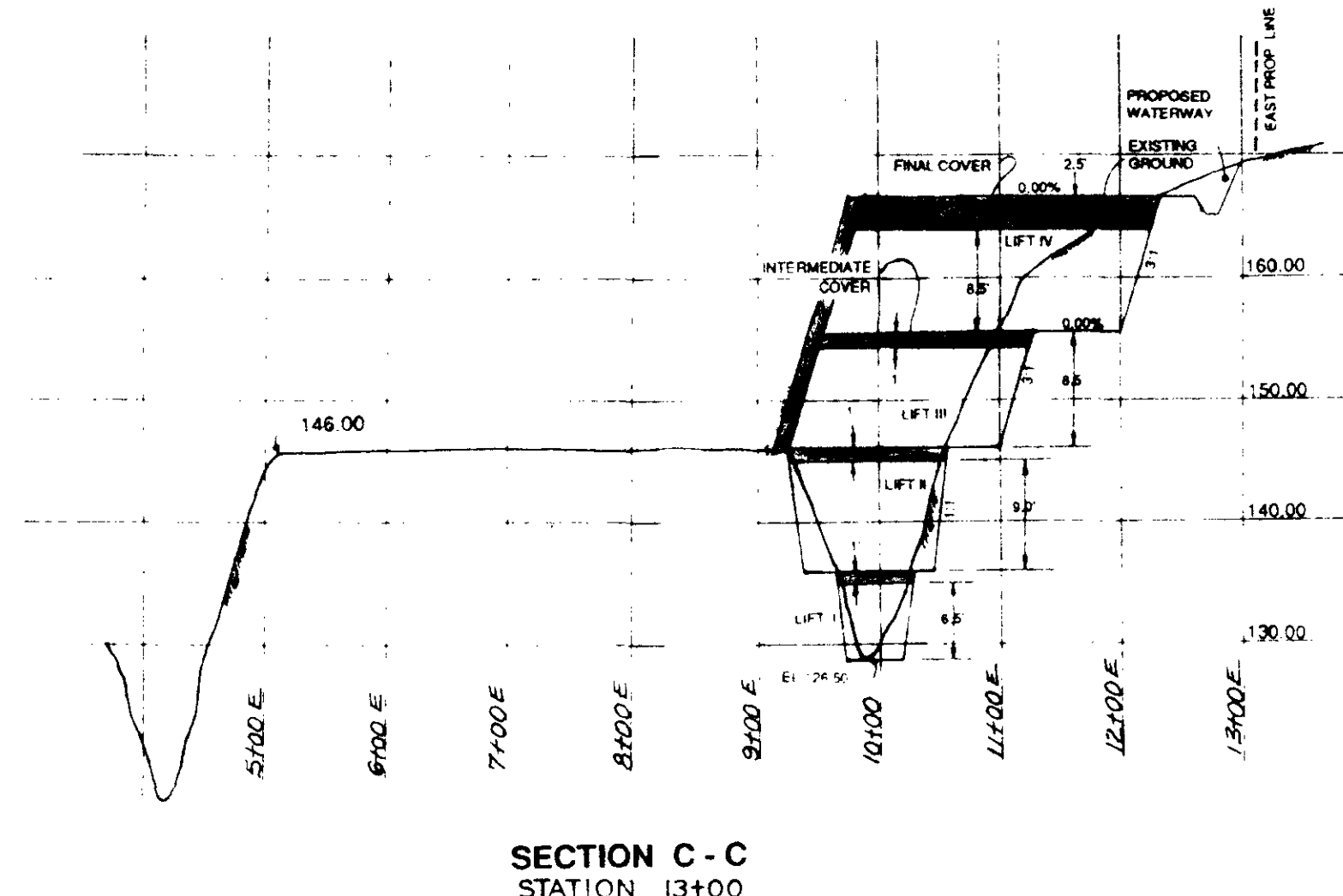
Attachment A: 2nd 2025 Semi-Annual Groundwater Sampling Event Laboratory Analytical Data Sheets

Copies: Mr. Tony Agnitsch, Cherokee County Sanitary Landfill



LEGEND

EXIST. OW-1	▲	EXISTING OBSERVATION WELL
OW-2	■	PROPOSED OBSERVATION WELL
EW-1	⊕	LEACHATE EXTRACTION WELL



Attachment A

2nd 2025 Semi-Annual Groundwater Sampling Event Laboratory Analytical Data Sheets

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/15/2025 10:16:45 AM

JOB DESCRIPTION

Cherokee County - 2nd 2025 Semi-Annual GW
Cherokee County Sanitary Landfill

JOB NUMBER

310-321513-1

Eurofins Cedar Falls

Job Notes

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

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

Authorization



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



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Case Narrative

Client: SCS Engineers
Project: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1

Job ID: 310-321513-1

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Job Narrative 310-321513-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 11/26/2025 6:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were -1.3°C, -1.2°C and -0.8°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). The LCS associated with this CCV passed CCV criteria for the affected analyte; therefore, the data have been reported. The associated sample is:(CCV 310-475656/4).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-475713 recovered above the upper control limit for Carbon tetrachloride (29%D), cis-1,3-Dichloropropene (23%D), and 1,1,2-Trichloroethane (29%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 310-475713/3).

Method 8260D: The method requirement for no headspace was not met. The following volatile samples were analyzed with headspace in the sample container: Trip Blank 1 (310-321513-18), Trip Blank 2 (310-321513-19) and Trip Blank 3 (310-321513-20).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-475115 recovered above the upper control limit for Carbon tetrachloride (30%D) and 2,2-Dichloropropane (27%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 310-475115/3).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-475233 recovered above the upper control limit for Carbon tetrachloride (22%D). The LCS associated with this CCV passed CCV criteria for the affected analyte; therefore, the data have been reported. The associated sample is:(CCV 310-475233/3).

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: The continuing calibration verification (CCV) associated with batch 310-475460 recovered above the upper control limit for Dinoseb(24%D), Hexachloropropene(25%D) and 2,4,6-Tribromophenol (Surr)(23%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 310-475460/12).

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 310-475460 was outside the method criteria for the following analyte(s): 1,4-Phenylenediamine(-57%D) and 4-Nitrophenol(-25%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: Internal standard (ISTD) response for the following samples were outside of acceptance limits: MW-7 (310-321513-6) and (MB 310-475159/1-A). The ISTD failed low causing the data to be biased high. The affected analytes were non-detects therefore the data has been reported.

Method 8270E: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch

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Case Narrative

Client: SCS Engineers
Project: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1

Job ID: 310-321513-1 (Continued)

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310-475159 and analytical batch 310-475460 recovered outside control limits for the following analyte(s): 1,4-Phenylenediamine and Methapyrilene. 1,4-Phenylenediamine and Methapyrilene have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-475159 and analytical batch 310-475460 recovered outside control limits for the following analytes: 1,4-Phenylenediamine 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 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-7 (310-321513-6).

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

PCBs

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

Pesticides

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

Metals

Method 6020B: The 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-39 (310-321513-14). The sample(s) was preserved to the appropriate pH in the laboratory.

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-43 (310-321513-16). 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

Method 9034_Calc: The following samples were received at the Chicago Lab outside of holding time: MW-11 (310-321513-5), MW-7 (310-321513-6) and MW-9R (310-321513-7).

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

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Sample Summary

Client: SCS Engineers

Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1

SDG: Cherokee County Sanitary Landfill

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-321513-1	MW-16	Water	11/24/25 16:12	11/26/25 18:45	Iowa
310-321513-2	MW-27	Water	11/24/25 15:45	11/26/25 18:45	Iowa
310-321513-3	MW-35	Water	11/24/25 15:16	11/26/25 18:45	Iowa
310-321513-4	MW-42R	Water	11/25/25 11:37	11/26/25 18:45	Iowa
310-321513-5	MW-11	Water	11/25/25 12:40	11/26/25 18:45	Iowa
310-321513-6	MW-7	Water	11/25/25 15:32	11/26/25 18:45	Iowa
310-321513-7	MW-9R	Water	11/25/25 13:22	11/26/25 18:45	Iowa
310-321513-8	MW-12	Water	11/25/25 16:12	11/26/25 18:45	Iowa
310-321513-9	MW-13R	Water	11/25/25 12:04	11/26/25 18:45	Iowa
310-321513-10	MW-15C	Water	11/24/25 14:50	11/26/25 18:45	Iowa
310-321513-11	MW-44	Water	11/25/25 11:12	11/26/25 18:45	Iowa
310-321513-12	MW-14R	Water	11/25/25 09:45	11/26/25 18:45	Iowa
310-321513-13	MW-15R	Water	11/24/25 14:12	11/26/25 18:45	Iowa
310-321513-14	MW-39	Water	11/25/25 10:13	11/26/25 18:45	Iowa
310-321513-15	MW-40	Water	11/24/25 13:39	11/26/25 18:45	Iowa
310-321513-16	MW-43	Water	11/25/25 10:33	11/26/25 18:45	Iowa
310-321513-17	MW-D	Water	11/24/25 14:50	11/26/25 18:45	Iowa
310-321513-18	Trip Blank 1	Water	11/25/25 00:00	11/26/25 18:45	Iowa
310-321513-19	Trip Blank 2	Water	11/25/25 00:00	11/26/25 18:45	Iowa
310-321513-20	Trip Blank 3	Water	11/25/25 00:00	11/26/25 18:45	Iowa

Detection Summary

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-16

Lab Sample ID: 310-321513-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000568	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.132		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000186	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00945		0.00500	0.00230	mg/L	1		6020B	Total/NA

Client Sample ID: MW-27

Lab Sample ID: 310-321513-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000609	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0306		0.00200	0.000660	mg/L	1		6020B	Total/NA
Chromium	0.00971		0.00500	0.00180	mg/L	1		6020B	Total/NA

Client Sample ID: MW-35

Lab Sample ID: 310-321513-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00127	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0192		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00563		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0163		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	9.50		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-42R

Lab Sample ID: 310-321513-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00130	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0160		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000101	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00444		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0123		0.00500	0.00230	mg/L	1		6020B	Total/NA

Client Sample ID: MW-11

Lab Sample ID: 310-321513-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00115	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0151		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000297	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00448	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Sulfide	3.44	H	1.00	0.231	mg/L	1		9034	Total/NA
Total Suspended Solids	10.0		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-7

Lab Sample ID: 310-321513-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.924	J	1.00	0.350	ug/L	1		8260D	Total/NA
Arsenic	0.000769	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0177		0.00200	0.000660	mg/L	1		6020B	Total/NA
Vanadium	0.00188	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Sulfide	1.46	H	1.00	0.231	mg/L	1		9034	Total/NA
Total Suspended Solids	3.50		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-9R

Lab Sample ID: 310-321513-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00137	J	0.00200	0.000530	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: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-9R (Continued)

Lab Sample ID: 310-321513-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0660		0.00200	0.000660	mg/L	1		6020B	Total/NA
Sulfide	9.44	H	1.00	0.231	mg/L	1		9034	Total/NA
Total Suspended Solids	5.37		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-12

Lab Sample ID: 310-321513-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00757		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.125		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.0547		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.00582		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.0715		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	834		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-13R

Lab Sample ID: 310-321513-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.22		1.00	0.350	ug/L	1		8260D	Total/NA
Arsenic	0.00363		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0661		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00302		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00941		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	6.00		5.00	3.50	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-15C

Lab Sample ID: 310-321513-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000710	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.102		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000290	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00874		0.00500	0.00230	mg/L	1		6020B	Total/NA

Client Sample ID: MW-44

Lab Sample ID: 310-321513-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00532		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0190		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000328	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	35.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-14R

Lab Sample ID: 310-321513-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.704	J	1.00	0.400	ug/L	1		8260D	Total/NA
Benzene	0.481	J	0.500	0.220	ug/L	1		8260D	Total/NA
Arsenic	0.00127	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0657		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.0144		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0408		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	4.25		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: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-15R

Lab Sample ID: 310-321513-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.431	J	1.00	0.370	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	1.41		1.00	0.490	ug/L	1		8260D	Total/NA
Benzene	0.842		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	1.89		1.00	0.350	ug/L	1		8260D	Total/NA
Vinyl chloride	0.691	J	1.00	0.430	ug/L	1		8260D	Total/NA
Arsenic	0.101		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.470		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00889		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00800		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	54.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-39

Lab Sample ID: 310-321513-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	8.05		1.00	0.490	ug/L	1		8260D	Total/NA
Acetone	7.11	J	10.0	3.80	ug/L	1		8260D	Total/NA
Benzene	1.42		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	7.74		1.00	0.350	ug/L	1		8260D	Total/NA
Toluene	0.563	J	1.00	0.430	ug/L	1		8260D	Total/NA
Vinyl chloride	1.27		1.00	0.430	ug/L	1		8260D	Total/NA
Arsenic	0.0339		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	2.57		0.00800	0.00264	mg/L	4		6020B	Total/NA
Cobalt	0.0128		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0217		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	118		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-40

Lab Sample ID: 310-321513-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0325		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.958		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000990		0.000500	0.000170	mg/L	1		6020B	Total/NA

Client Sample ID: MW-43

Lab Sample ID: 310-321513-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.06		1.00	0.430	ug/L	1		8260D	Total/NA
Arsenic	0.00130	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.518		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000665		0.000500	0.000170	mg/L	1		6020B	Total/NA

Client Sample ID: MW-D

Lab Sample ID: 310-321513-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000696	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.103		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000280	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00756		0.00500	0.00230	mg/L	1		6020B	Total/NA

Client Sample ID: Trip Blank 1

Lab Sample ID: 310-321513-18

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: SCS Engineers

Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1

SDG: Cherokee County Sanitary Landfill

Client Sample ID: Trip Blank 2

Lab Sample ID: 310-321513-19

No Detections.

Client Sample ID: Trip Blank 3

Lab Sample ID: 310-321513-20

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-16

Lab Sample ID: 310-321513-1

Date Collected: 11/24/25 16:12

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/01/25 13:10	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/01/25 13:10	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/01/25 13:10	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/01/25 13:10	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/01/25 13:10	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/01/25 13:10	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/01/25 13:10	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/01/25 13:10	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/01/25 13:10	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/01/25 13:10	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/01/25 13:10	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/01/25 13:10	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/01/25 13:10	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/01/25 13:10	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/01/25 13:10	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/01/25 13:10	1
Acetone	<10.0		10.0	3.80	ug/L			12/01/25 13:10	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/01/25 13:10	1
Benzene	<0.500		0.500	0.220	ug/L			12/01/25 13:10	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/01/25 13:10	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/01/25 13:10	1
Bromoform	<5.00		5.00	2.60	ug/L			12/01/25 13:10	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/01/25 13:10	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/01/25 13:10	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/01/25 13:10	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/01/25 13:10	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/01/25 13:10	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/01/25 13:10	1
Chloroform	<3.00		3.00	1.30	ug/L			12/01/25 13:10	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/01/25 13:10	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/01/25 13:10	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/01/25 13:10	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/01/25 13:10	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/01/25 13:10	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/01/25 13:10	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/01/25 13:10	1
Styrene	<1.00		1.00	0.370	ug/L			12/01/25 13:10	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/01/25 13:10	1
Toluene	<1.00		1.00	0.430	ug/L			12/01/25 13:10	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/01/25 13:10	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/01/25 13:10	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/01/25 13:10	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/01/25 13:10	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/01/25 13:10	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/01/25 13:10	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/01/25 13:10	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/01/25 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		76 - 130		12/01/25 13:10	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-16

Lab Sample ID: 310-321513-1

Date Collected: 11/24/25 16:12

Matrix: Water

Date Received: 11/26/25 18:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		12/01/25 13:10	1
4-Bromofluorobenzene (Surr)	108		80 - 120		12/01/25 13:10	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		12/02/25 09:00	12/12/25 14:18	1
Arsenic	0.000568	J	0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 14:18	1
Barium	0.132		0.00200	0.000660	mg/L		12/02/25 09:00	12/12/25 14:18	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/02/25 09:00	12/12/25 14:18	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/02/25 09:00	12/12/25 14:18	1
Chromium	<0.00500		0.00500	0.00180	mg/L		12/02/25 09:00	12/12/25 14:18	1
Cobalt	0.000186	J	0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 14:18	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/02/25 09:00	12/12/25 14:18	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/02/25 09:00	12/12/25 14:18	1
Nickel	0.00945		0.00500	0.00230	mg/L		12/02/25 09:00	12/12/25 14:18	1
Selenium	<0.00500		0.00500	0.00140	mg/L		12/02/25 09:00	12/12/25 14:18	1
Silver	<0.00100		0.00100	0.000500	mg/L		12/02/25 09:00	12/12/25 14:18	1
Thallium	<0.00100		0.00100	0.000570	mg/L		12/02/25 09:00	12/12/25 14:18	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/02/25 09:00	12/12/25 14:18	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/02/25 09:00	12/12/25 14:18	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			12/01/25 11:03	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-27

Lab Sample ID: 310-321513-2

Date Collected: 11/24/25 15:45

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/01/25 13:33	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/01/25 13:33	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/01/25 13:33	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/01/25 13:33	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/01/25 13:33	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/01/25 13:33	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/01/25 13:33	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/01/25 13:33	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/01/25 13:33	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/01/25 13:33	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/01/25 13:33	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/01/25 13:33	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/01/25 13:33	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/01/25 13:33	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/01/25 13:33	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/01/25 13:33	1
Acetone	<10.0		10.0	3.80	ug/L			12/01/25 13:33	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/01/25 13:33	1
Benzene	<0.500		0.500	0.220	ug/L			12/01/25 13:33	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/01/25 13:33	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/01/25 13:33	1
Bromoform	<5.00		5.00	2.60	ug/L			12/01/25 13:33	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/01/25 13:33	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/01/25 13:33	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/01/25 13:33	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/01/25 13:33	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/01/25 13:33	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/01/25 13:33	1
Chloroform	<3.00		3.00	1.30	ug/L			12/01/25 13:33	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/01/25 13:33	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/01/25 13:33	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/01/25 13:33	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/01/25 13:33	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/01/25 13:33	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/01/25 13:33	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/01/25 13:33	1
Styrene	<1.00		1.00	0.370	ug/L			12/01/25 13:33	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/01/25 13:33	1
Toluene	<1.00		1.00	0.430	ug/L			12/01/25 13:33	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/01/25 13:33	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/01/25 13:33	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/01/25 13:33	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/01/25 13:33	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/01/25 13:33	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/01/25 13:33	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/01/25 13:33	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/01/25 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		76 - 130		12/01/25 13:33	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-27

Lab Sample ID: 310-321513-2

Date Collected: 11/24/25 15:45

Matrix: Water

Date Received: 11/26/25 18:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		12/01/25 13:33	1
4-Bromofluorobenzene (Surr)	110		80 - 120		12/01/25 13:33	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		12/02/25 09:00	12/12/25 14:21	1
Arsenic	0.000609	J	0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 14:21	1
Barium	0.0306		0.00200	0.000660	mg/L		12/02/25 09:00	12/12/25 14:21	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/02/25 09:00	12/12/25 14:21	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/02/25 09:00	12/12/25 14:21	1
Chromium	0.00971		0.00500	0.00180	mg/L		12/02/25 09:00	12/12/25 14:21	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 14:21	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/02/25 09:00	12/12/25 14:21	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/02/25 09:00	12/12/25 14:21	1
Nickel	<0.00500		0.00500	0.00230	mg/L		12/02/25 09:00	12/12/25 14:21	1
Selenium	<0.00500		0.00500	0.00140	mg/L		12/02/25 09:00	12/12/25 14:21	1
Silver	<0.00100		0.00100	0.000500	mg/L		12/02/25 09:00	12/12/25 14:21	1
Thallium	<0.00100		0.00100	0.000570	mg/L		12/02/25 09:00	12/12/25 14:21	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/02/25 09:00	12/12/25 14:21	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/02/25 09:00	12/12/25 14:21	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			12/01/25 11:03	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-35

Lab Sample ID: 310-321513-3

Date Collected: 11/24/25 15:16

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/01/25 13:55	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/01/25 13:55	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/01/25 13:55	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/01/25 13:55	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/01/25 13:55	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/01/25 13:55	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/01/25 13:55	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/01/25 13:55	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/01/25 13:55	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/01/25 13:55	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/01/25 13:55	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/01/25 13:55	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/01/25 13:55	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/01/25 13:55	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/01/25 13:55	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/01/25 13:55	1
Acetone	<10.0		10.0	3.80	ug/L			12/01/25 13:55	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/01/25 13:55	1
Benzene	<0.500		0.500	0.220	ug/L			12/01/25 13:55	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/01/25 13:55	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/01/25 13:55	1
Bromoform	<5.00		5.00	2.60	ug/L			12/01/25 13:55	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/01/25 13:55	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/01/25 13:55	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/01/25 13:55	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/01/25 13:55	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/01/25 13:55	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/01/25 13:55	1
Chloroform	<3.00		3.00	1.30	ug/L			12/01/25 13:55	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/01/25 13:55	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/01/25 13:55	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/01/25 13:55	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/01/25 13:55	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/01/25 13:55	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/01/25 13:55	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/01/25 13:55	1
Styrene	<1.00		1.00	0.370	ug/L			12/01/25 13:55	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/01/25 13:55	1
Toluene	<1.00		1.00	0.430	ug/L			12/01/25 13:55	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/01/25 13:55	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/01/25 13:55	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/01/25 13:55	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/01/25 13:55	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/01/25 13:55	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/01/25 13:55	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/01/25 13:55	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/01/25 13:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	109		76 - 130		12/01/25 13:55	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-35

Lab Sample ID: 310-321513-3

Date Collected: 11/24/25 15:16

Matrix: Water

Date Received: 11/26/25 18:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		12/01/25 13:55	1
4-Bromofluorobenzene (Surr)	106		80 - 120		12/01/25 13:55	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		12/02/25 09:00	12/12/25 14:24	1
Arsenic	0.00127	J	0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 14:24	1
Barium	0.0192		0.00200	0.000660	mg/L		12/02/25 09:00	12/12/25 14:24	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/02/25 09:00	12/12/25 14:24	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/02/25 09:00	12/12/25 14:24	1
Chromium	<0.00500		0.00500	0.00180	mg/L		12/02/25 09:00	12/12/25 14:24	1
Cobalt	0.00563		0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 14:24	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/02/25 09:00	12/12/25 14:24	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/02/25 09:00	12/12/25 14:24	1
Nickel	0.0163		0.00500	0.00230	mg/L		12/02/25 09:00	12/12/25 14:24	1
Selenium	<0.00500		0.00500	0.00140	mg/L		12/02/25 09:00	12/12/25 14:24	1
Silver	<0.00100		0.00100	0.000500	mg/L		12/02/25 09:00	12/12/25 14:24	1
Thallium	<0.00100		0.00100	0.000570	mg/L		12/02/25 09:00	12/12/25 14:24	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/02/25 09:00	12/12/25 14:24	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/02/25 09:00	12/12/25 14:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	9.50		1.88	1.31	mg/L			12/01/25 11:03	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-42R

Lab Sample ID: 310-321513-4

Date Collected: 11/25/25 11:37

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/01/25 11:40	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/01/25 11:40	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/01/25 11:40	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/01/25 11:40	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/01/25 11:40	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/01/25 11:40	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/01/25 11:40	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/01/25 11:40	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/01/25 11:40	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/01/25 11:40	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/01/25 11:40	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/01/25 11:40	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/01/25 11:40	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/01/25 11:40	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/01/25 11:40	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/01/25 11:40	1
Acetone	<10.0		10.0	3.80	ug/L			12/01/25 11:40	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/01/25 11:40	1
Benzene	<0.500		0.500	0.220	ug/L			12/01/25 11:40	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/01/25 11:40	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/01/25 11:40	1
Bromoform	<5.00		5.00	2.60	ug/L			12/01/25 11:40	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/01/25 11:40	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/01/25 11:40	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/01/25 11:40	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/01/25 11:40	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/01/25 11:40	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/01/25 11:40	1
Chloroform	<3.00		3.00	1.30	ug/L			12/01/25 11:40	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/01/25 11:40	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/01/25 11:40	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/01/25 11:40	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/01/25 11:40	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/01/25 11:40	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/01/25 11:40	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/01/25 11:40	1
Styrene	<1.00		1.00	0.370	ug/L			12/01/25 11:40	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/01/25 11:40	1
Toluene	<1.00		1.00	0.430	ug/L			12/05/25 20:42	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/01/25 11:40	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/01/25 11:40	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/01/25 11:40	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/01/25 11:40	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/01/25 11:40	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/01/25 11:40	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/01/25 11:40	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/01/25 11:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		80 - 120		12/05/25 20:42	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-42R

Lab Sample ID: 310-321513-4

Date Collected: 11/25/25 11:37

Matrix: Water

Date Received: 11/26/25 18:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	109		76 - 130		12/05/25 20:42	1
Toluene-d8 (Surr)	90		80 - 120		12/05/25 20:42	1
Dibromofluoromethane (Surr)	102		76 - 130		12/01/25 11:40	1
Toluene-d8 (Surr)	96		80 - 120		12/01/25 11:40	1
4-Bromofluorobenzene (Surr)	107		80 - 120		12/01/25 11:40	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		12/02/25 09:00	12/12/25 14:26	1
Arsenic	0.00130	J	0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 14:26	1
Barium	0.0160		0.00200	0.000660	mg/L		12/02/25 09:00	12/12/25 14:26	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/02/25 09:00	12/12/25 14:26	1
Cadmium	0.000101	J	0.000200	0.000100	mg/L		12/02/25 09:00	12/12/25 14:26	1
Chromium	<0.00500		0.00500	0.00180	mg/L		12/02/25 09:00	12/12/25 14:26	1
Cobalt	0.00444		0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 14:26	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/02/25 09:00	12/12/25 14:26	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/02/25 09:00	12/12/25 14:26	1
Nickel	0.0123		0.00500	0.00230	mg/L		12/02/25 09:00	12/12/25 14:26	1
Selenium	<0.00500		0.00500	0.00140	mg/L		12/02/25 09:00	12/12/25 14:26	1
Silver	<0.00100		0.00100	0.000500	mg/L		12/02/25 09:00	12/12/25 14:26	1
Thallium	<0.00100		0.00100	0.000570	mg/L		12/02/25 09:00	12/12/25 14:26	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/02/25 09:00	12/12/25 14:26	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/02/25 09:00	12/12/25 14:26	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			12/01/25 12:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-11

Lab Sample ID: 310-321513-5

Date Collected: 11/25/25 12:40

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00115	J	0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 14:29	1
Barium	0.0151		0.00200	0.000660	mg/L		12/02/25 09:00	12/12/25 14:29	1
Cobalt	0.000297	J	0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 14:29	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/02/25 09:00	12/12/25 14:29	1
Nickel	0.00448	J	0.00500	0.00230	mg/L		12/02/25 09:00	12/12/25 14:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	3.44	H	1.00	0.231	mg/L		12/07/25 18:06	12/08/25 02:45	1
Total Suspended Solids (USGS I-3765-85)	10.0		1.88	1.31	mg/L			12/01/25 12:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-7

Lab Sample ID: 310-321513-6

Date Collected: 11/25/25 15:32

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/01/25 15:26	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/01/25 15:26	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/01/25 15:26	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/01/25 15:26	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/01/25 15:26	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/01/25 15:26	1
1,1-Dichloropropene	<1.00		1.00	0.410	ug/L			12/01/25 15:26	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/01/25 15:26	1
1,2,4-Trichlorobenzene	<5.00		5.00	1.90	ug/L			12/01/25 15:26	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/01/25 15:26	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/01/25 15:26	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/01/25 15:26	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/01/25 15:26	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/01/25 15:26	1
1,3-Dichlorobenzene	<1.00		1.00	0.470	ug/L			12/01/25 15:26	1
1,3-Dichloropropane	<1.00		1.00	0.390	ug/L			12/01/25 15:26	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/01/25 15:26	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			12/01/25 15:26	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/01/25 15:26	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/01/25 15:26	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/01/25 15:26	1
Acetone	<10.0		10.0	3.80	ug/L			12/01/25 15:26	1
Acrolein	<10.0		10.0	3.60	ug/L			12/01/25 15:26	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/01/25 15:26	1
Allyl chloride	<2.00		2.00	0.700	ug/L			12/01/25 15:26	1
Benzene	<0.500		0.500	0.220	ug/L			12/01/25 15:26	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/01/25 15:26	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/01/25 15:26	1
Bromoform	<5.00		5.00	2.60	ug/L			12/01/25 15:26	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/01/25 15:26	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/01/25 15:26	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/01/25 15:26	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/01/25 15:26	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/01/25 15:26	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/01/25 15:26	1
Chloroform	<3.00		3.00	1.30	ug/L			12/01/25 15:26	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/01/25 15:26	1
Chloroprene	<1.00		1.00	0.320	ug/L			12/01/25 15:26	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/01/25 15:26	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/01/25 15:26	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/01/25 15:26	1
Dichlorodifluoromethane	<3.00		3.00	0.850	ug/L			12/01/25 15:26	1
Ethyl methacrylate	<2.00		2.00	0.630	ug/L			12/01/25 15:26	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/01/25 15:26	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/01/25 15:26	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			12/01/25 15:26	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			12/01/25 15:26	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/01/25 15:26	1
Naphthalene	<5.00		5.00	1.80	ug/L			12/01/25 15:26	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-7

Lab Sample ID: 310-321513-6

Date Collected: 11/25/25 15:32

Matrix: Water

Date Received: 11/26/25 18:45

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			12/01/25 15:26	1
Styrene	<1.00		1.00	0.370	ug/L			12/01/25 15:26	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/01/25 15:26	1
Toluene	<1.00		1.00	0.430	ug/L			12/01/25 15:26	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/01/25 15:26	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/01/25 15:26	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/01/25 15:26	1
Trichloroethene	0.924	J	1.00	0.350	ug/L			12/01/25 15:26	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/01/25 15:26	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/01/25 15:26	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/01/25 15:26	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/01/25 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	102		76 - 130		12/01/25 15:26	1
Toluene-d8 (Surr)	91		80 - 120		12/01/25 15:26	1
4-Bromofluorobenzene (Surr)	111		80 - 120		12/01/25 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		12/01/25 12:54	12/04/25 05:27	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		12/01/25 12:54	12/04/25 05:27	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		12/01/25 12:54	12/04/25 05:27	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		12/01/25 12:54	12/04/25 05:27	1
1,4-Phenylenediamine	<10.0	*	10.0	1.90	ug/L		12/01/25 12:54	12/04/25 05:27	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		12/01/25 12:54	12/04/25 05:27	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		12/01/25 12:54	12/04/25 05:27	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		12/01/25 12:54	12/04/25 05:27	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		12/01/25 12:54	12/04/25 05:27	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		12/01/25 12:54	12/04/25 05:27	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		12/01/25 12:54	12/04/25 05:27	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		12/01/25 12:54	12/04/25 05:27	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		12/01/25 12:54	12/04/25 05:27	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		12/01/25 12:54	12/04/25 05:27	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		12/01/25 12:54	12/04/25 05:27	1
2-Acetylaminofluorene	<10.0	*3	10.0	2.70	ug/L		12/01/25 12:54	12/04/25 05:27	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		12/01/25 12:54	12/04/25 05:27	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		12/01/25 12:54	12/04/25 05:27	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		12/01/25 12:54	12/04/25 05:27	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		12/01/25 12:54	12/04/25 05:27	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		12/01/25 12:54	12/04/25 05:27	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		12/01/25 12:54	12/04/25 05:27	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		12/01/25 12:54	12/04/25 05:27	1
3,3'-Dichlorobenzidine	<10.0	*3	10.0	1.40	ug/L		12/01/25 12:54	12/04/25 05:27	1
3,3'-Dimethylbenzidine	<10.0	*3 *1	10.0	1.50	ug/L		12/01/25 12:54	12/04/25 05:27	1
3-Methylcholanthrene	<10.0	*3	10.0	0.320	ug/L		12/01/25 12:54	12/04/25 05:27	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		12/01/25 12:54	12/04/25 05:27	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		12/01/25 12:54	12/04/25 05:27	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		12/01/25 12:54	12/04/25 05:27	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		12/01/25 12:54	12/04/25 05:27	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-7

Lab Sample ID: 310-321513-6

Date Collected: 11/25/25 15:32

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		12/01/25 12:54	12/04/25 05:27	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		12/01/25 12:54	12/04/25 05:27	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		12/01/25 12:54	12/04/25 05:27	1
4-Methylphenol (and/or 3-Methylphenol)	<10.0		10.0	0.700	ug/L		12/01/25 12:54	12/04/25 05:27	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		12/01/25 12:54	12/04/25 05:27	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		12/01/25 12:54	12/04/25 05:27	1
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		12/01/25 12:54	12/04/25 05:27	1
7,12-Dimethylbenz(a)anthracene	<10.0	*3	10.0	1.90	ug/L		12/01/25 12:54	12/04/25 05:27	1
Acenaphthene	<10.0		10.0	0.640	ug/L		12/01/25 12:54	12/04/25 05:27	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		12/01/25 12:54	12/04/25 05:27	1
Acetophenone	<10.0		10.0	0.690	ug/L		12/01/25 12:54	12/04/25 05:27	1
Anthracene	<10.0		10.0	0.870	ug/L		12/01/25 12:54	12/04/25 05:27	1
Benzo(a)anthracene	<10.0	*3	10.0	0.850	ug/L		12/01/25 12:54	12/04/25 05:27	1
Benzo(a)pyrene	<10.0	*3	10.0	8.10	ug/L		12/01/25 12:54	12/04/25 05:27	1
Benzo(b)fluoranthene	<10.0	*3	10.0	4.90	ug/L		12/01/25 12:54	12/04/25 05:27	1
Benzo(g,h,i)perylene	<10.0	*3	10.0	6.30	ug/L		12/01/25 12:54	12/04/25 05:27	1
Benzo(k)fluoranthene	<10.0	*3	10.0	2.20	ug/L		12/01/25 12:54	12/04/25 05:27	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		12/01/25 12:54	12/04/25 05:27	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		12/01/25 12:54	12/04/25 05:27	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		12/01/25 12:54	12/04/25 05:27	1
bis(2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		12/01/25 12:54	12/04/25 05:27	1
Bis(2-ethylhexyl) phthalate	<10.0	*3	10.0	5.50	ug/L		12/01/25 12:54	12/04/25 05:27	1
Butyl benzyl phthalate	<10.0	*3	10.0	5.40	ug/L		12/01/25 12:54	12/04/25 05:27	1
Chlorobenzilate	<10.0	*3	10.0	3.60	ug/L		12/01/25 12:54	12/04/25 05:27	1
Chrysene	<10.0	*3	10.0	0.870	ug/L		12/01/25 12:54	12/04/25 05:27	1
Diallate	<10.0		10.0	4.00	ug/L		12/01/25 12:54	12/04/25 05:27	1
Dibenz(a,h)anthracene	<10.0	*3	10.0	3.90	ug/L		12/01/25 12:54	12/04/25 05:27	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		12/01/25 12:54	12/04/25 05:27	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		12/01/25 12:54	12/04/25 05:27	1
Dimethoate	<10.0		10.0	3.60	ug/L		12/01/25 12:54	12/04/25 05:27	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		12/01/25 12:54	12/04/25 05:27	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		12/01/25 12:54	12/04/25 05:27	1
Di-n-octyl phthalate	<20.0	*3 *- *1	20.0	7.00	ug/L		12/01/25 12:54	12/04/25 05:27	1
Dinoseb	<10.0		10.0	2.40	ug/L		12/01/25 12:54	12/04/25 05:27	1
Diphenylamine	<10.0		10.0	6.00	ug/L		12/01/25 12:54	12/04/25 05:27	1
Disulfoton	<10.0		10.0	2.40	ug/L		12/01/25 12:54	12/04/25 05:27	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		12/01/25 12:54	12/04/25 05:27	1
Ethyl parathion	<10.0		10.0	2.20	ug/L		12/01/25 12:54	12/04/25 05:27	1
Famphur	<10.0	*3	10.0	3.80	ug/L		12/01/25 12:54	12/04/25 05:27	1
Fluoranthene	<10.0		10.0	1.70	ug/L		12/01/25 12:54	12/04/25 05:27	1
Fluorene	<10.0		10.0	0.790	ug/L		12/01/25 12:54	12/04/25 05:27	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		12/01/25 12:54	12/04/25 05:27	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		12/01/25 12:54	12/04/25 05:27	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		12/01/25 12:54	12/04/25 05:27	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		12/01/25 12:54	12/04/25 05:27	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		12/01/25 12:54	12/04/25 05:27	1
Indeno(1,2,3-cd)pyrene	<10.0	*3	10.0	4.20	ug/L		12/01/25 12:54	12/04/25 05:27	1
Isodrin	<10.0		10.0	4.70	ug/L		12/01/25 12:54	12/04/25 05:27	1
Isophorone	<10.0		10.0	0.930	ug/L		12/01/25 12:54	12/04/25 05:27	1

Euofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-7

Lab Sample ID: 310-321513-6

Date Collected: 11/25/25 15:32

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isosafrole	<10.0		10.0	2.30	ug/L		12/01/25 12:54	12/04/25 05:27	1
Kepone	<10.0	*3	10.0	1.00	ug/L		12/01/25 12:54	12/04/25 05:27	1
Methapyrilene	<10.0	*- *1	10.0	0.760	ug/L		12/01/25 12:54	12/04/25 05:27	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		12/01/25 12:54	12/04/25 05:27	1
Methyl parathion	<10.0		10.0	2.30	ug/L		12/01/25 12:54	12/04/25 05:27	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		12/01/25 12:54	12/04/25 05:27	1
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		12/01/25 12:54	12/04/25 05:27	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		12/01/25 12:54	12/04/25 05:27	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		12/01/25 12:54	12/04/25 05:27	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		12/01/25 12:54	12/04/25 05:27	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		12/01/25 12:54	12/04/25 05:27	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		12/01/25 12:54	12/04/25 05:27	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		12/01/25 12:54	12/04/25 05:27	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		12/01/25 12:54	12/04/25 05:27	1
o,o',o"-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		12/01/25 12:54	12/04/25 05:27	1
o-Toluidine	<10.0		10.0	2.90	ug/L		12/01/25 12:54	12/04/25 05:27	1
p-Dimethylamino azobenzene	<10.0	*3	10.0	2.20	ug/L		12/01/25 12:54	12/04/25 05:27	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		12/01/25 12:54	12/04/25 05:27	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		12/01/25 12:54	12/04/25 05:27	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		12/01/25 12:54	12/04/25 05:27	1
Phenacetin	<10.0		10.0	1.90	ug/L		12/01/25 12:54	12/04/25 05:27	1
Phenanthrene	<10.0		10.0	0.790	ug/L		12/01/25 12:54	12/04/25 05:27	1
Phenol	<10.0		10.0	1.10	ug/L		12/01/25 12:54	12/04/25 05:27	1
Phorate	<10.0		10.0	3.20	ug/L		12/01/25 12:54	12/04/25 05:27	1
Pronamide	<10.0		10.0	2.70	ug/L		12/01/25 12:54	12/04/25 05:27	1
Pyrene	<10.0	*3	10.0	0.790	ug/L		12/01/25 12:54	12/04/25 05:27	1
Safrole	<10.0		10.0	2.80	ug/L		12/01/25 12:54	12/04/25 05:27	1
Thionazin	<10.0		10.0	3.50	ug/L		12/01/25 12:54	12/04/25 05:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	65		21 - 110	12/01/25 12:54	12/04/25 05:27	1
Phenol-d5 (Surr)	54		21 - 110	12/01/25 12:54	12/04/25 05:27	1
Nitrobenzene-d5 (Surr)	88		39 - 140	12/01/25 12:54	12/04/25 05:27	1
2-Fluorobiphenyl (Surr)	96		33 - 126	12/01/25 12:54	12/04/25 05:27	1
2,4,6-Tribromophenol (Surr)	100		20 - 144	12/01/25 12:54	12/04/25 05:27	1
Terphenyl-d14 (Surr)	141	*3	13 - 150	12/01/25 12:54	12/04/25 05:27	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			12/03/25 16:52	1
Isobutanol	<10.0		10.0	2.40	mg/L			12/03/25 16:52	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0916		0.0916	0.0229	ug/L		12/02/25 14:04	12/12/25 14:18	1
4,4'-DDE	<0.0916		0.0916	0.0275	ug/L		12/02/25 14:04	12/12/25 14:18	1
4,4'-DDT	<0.0916		0.0916	0.0183	ug/L		12/02/25 14:04	12/12/25 14:18	1
Aldrin	<0.0916		0.0916	0.0202	ug/L		12/02/25 14:04	12/12/25 14:18	1
alpha-BHC	<0.0916		0.0916	0.00916	ug/L		12/02/25 14:04	12/12/25 14:18	1
beta-BHC	<0.0916		0.0916	0.0385	ug/L		12/02/25 14:04	12/12/25 14:18	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-7

Lab Sample ID: 310-321513-6

Date Collected: 11/25/25 15:32

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.83		1.83	0.357	ug/L		12/02/25 14:04	12/12/25 14:18	1
delta-BHC	<0.0916		0.0916	0.0293	ug/L		12/02/25 14:04	12/12/25 14:18	1
Dieldrin	<0.0916		0.0916	0.0192	ug/L		12/02/25 14:04	12/12/25 14:18	1
Endosulfan I	<0.0916		0.0916	0.0257	ug/L		12/02/25 14:04	12/12/25 14:18	1
Endosulfan II	<0.0916		0.0916	0.0238	ug/L		12/02/25 14:04	12/12/25 14:18	1
Endosulfan sulfate	<0.0916		0.0916	0.0165	ug/L		12/02/25 14:04	12/12/25 14:18	1
Endrin	<0.0916		0.0916	0.0257	ug/L		12/02/25 14:04	12/12/25 14:18	1
Endrin aldehyde	<0.0916		0.0916	0.0247	ug/L		12/02/25 14:04	12/12/25 14:18	1
gamma-BHC (Lindane)	<0.0916		0.0916	0.00916	ug/L		12/02/25 14:04	12/12/25 14:18	1
Heptachlor	<0.0916		0.0916	0.0211	ug/L		12/02/25 14:04	12/12/25 14:18	1
Heptachlor epoxide	<0.0916		0.0916	0.0293	ug/L		12/02/25 14:04	12/12/25 14:18	1
Methoxychlor	<0.0916		0.0916	0.0293	ug/L		12/02/25 14:04	12/12/25 14:18	1
Toxaphene	<1.83		1.83	0.916	ug/L		12/02/25 14:04	12/12/25 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	66		10 - 150	12/02/25 14:04	12/12/25 14:18	1
Tetrachloro-m-xylene	62		17 - 150	12/02/25 14:04	12/12/25 14:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.83		1.83	0.751	ug/L		12/02/25 14:04	12/12/25 14:18	1
PCB-1221	<1.83		1.83	0.751	ug/L		12/02/25 14:04	12/12/25 14:18	1
PCB-1232	<1.83		1.83	0.751	ug/L		12/02/25 14:04	12/12/25 14:18	1
PCB-1242	<1.83		1.83	0.751	ug/L		12/02/25 14:04	12/12/25 14:18	1
PCB-1248	<1.83		1.83	0.632	ug/L		12/02/25 14:04	12/12/25 14:18	1
PCB-1254	<1.83		1.83	0.632	ug/L		12/02/25 14:04	12/12/25 14:18	1
PCB-1260	<1.83		1.83	0.632	ug/L		12/02/25 14:04	12/12/25 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	66		10 - 150	12/02/25 14:04	12/12/25 14:18	1
Tetrachloro-m-xylene	60		17 - 150	12/02/25 14:04	12/12/25 14:18	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	<0.153	H	0.153	0.0663	ug/L		12/04/25 14:50	12/05/25 08:21	1
Silvex (2,4,5-TP)	<0.0510	H	0.0510	0.0224	ug/L		12/04/25 14:50	12/05/25 08:21	1
2,4-D	<0.612	H	0.612	0.255	ug/L		12/04/25 14:50	12/05/25 08:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	101		34 - 142	12/04/25 14:50	12/05/25 08:21	1
2,4-Dichlorophenylacetic acid (Surr)	89		34 - 142	12/04/25 14:50	12/05/25 08:21	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		12/02/25 09:00	12/12/25 14:31	1
Arsenic	0.000769	J	0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 14:31	1
Barium	0.0177		0.00200	0.000660	mg/L		12/02/25 09:00	12/12/25 14:31	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/02/25 09:00	12/12/25 14:31	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/02/25 09:00	12/12/25 14:31	1
Chromium	<0.00500		0.00500	0.00180	mg/L		12/02/25 09:00	12/12/25 14:31	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 14:31	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-7

Lab Sample ID: 310-321513-6

Date Collected: 11/25/25 15:32

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00500		0.00500	0.00320	mg/L		12/02/25 09:00	12/12/25 14:31	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/02/25 09:00	12/12/25 14:31	1
Nickel	<0.00500		0.00500	0.00230	mg/L		12/02/25 09:00	12/12/25 14:31	1
Selenium	<0.00500		0.00500	0.00140	mg/L		12/02/25 09:00	12/12/25 14:31	1
Silver	<0.00100		0.00100	0.000500	mg/L		12/02/25 09:00	12/12/25 14:31	1
Thallium	<0.00100		0.00100	0.000570	mg/L		12/02/25 09:00	12/12/25 14:31	1
Vanadium	0.00188	J	0.00500	0.00170	mg/L		12/02/25 09:00	12/12/25 14:31	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/02/25 09:00	12/12/25 14:31	1
Tin	<5.00		5.00	2.50	ug/L		12/02/25 09:00	12/12/25 14:31	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		12/02/25 11:50	12/03/25 09:51	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		12/04/25 08:38	12/04/25 21:15	1
Sulfide (SW846 9034)	1.46	H	1.00	0.231	mg/L		12/07/25 18:10	12/08/25 02:56	1
Total Suspended Solids (USGS I-3765-85)	3.50		1.88	1.31	mg/L			12/01/25 12:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-9R

Lab Sample ID: 310-321513-7

Date Collected: 11/25/25 13:22

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00137	J	0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 14:34	1
Barium	0.0660		0.00200	0.000660	mg/L		12/02/25 09:00	12/12/25 14:34	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 14:34	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/02/25 09:00	12/12/25 14:34	1
Nickel	<0.00500		0.00500	0.00230	mg/L		12/02/25 09:00	12/12/25 14:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	9.44	H	1.00	0.231	mg/L		12/07/25 18:13	12/08/25 03:06	1
Total Suspended Solids (USGS I-3765-85)	5.37		1.88	1.31	mg/L			12/01/25 12:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-12

Lab Sample ID: 310-321513-8

Date Collected: 11/25/25 16:12

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00757		0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 14:44	1
Barium	0.125		0.00200	0.000660	mg/L		12/02/25 09:00	12/12/25 14:44	1
Cobalt	0.0547		0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 14:44	1
Lead	0.00582		0.000500	0.000330	mg/L		12/02/25 09:00	12/12/25 14:44	1
Nickel	0.0715		0.00500	0.00230	mg/L		12/02/25 09:00	12/12/25 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	834		15.0	10.5	mg/L			12/01/25 12:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-13R

Lab Sample ID: 310-321513-9

Date Collected: 11/25/25 12:04

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/02/25 12:27	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/02/25 12:27	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/02/25 12:27	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/02/25 12:27	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/02/25 12:27	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/02/25 12:27	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/02/25 12:27	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/02/25 12:27	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/02/25 12:27	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/02/25 12:27	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/02/25 12:27	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/02/25 12:27	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/02/25 12:27	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/02/25 12:27	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/02/25 12:27	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/02/25 12:27	1
Acetone	<10.0		10.0	3.80	ug/L			12/02/25 12:27	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/02/25 12:27	1
Benzene	<0.500		0.500	0.220	ug/L			12/02/25 12:27	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/02/25 12:27	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/02/25 12:27	1
Bromoform	<5.00		5.00	2.60	ug/L			12/02/25 12:27	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/02/25 12:27	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/02/25 12:27	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/02/25 12:27	1
Chlorobenzene	1.22		1.00	0.350	ug/L			12/02/25 12:27	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/02/25 12:27	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/02/25 12:27	1
Chloroform	<3.00		3.00	1.30	ug/L			12/02/25 12:27	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/02/25 12:27	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/02/25 12:27	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/02/25 12:27	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/02/25 12:27	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/02/25 12:27	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/02/25 12:27	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/02/25 12:27	1
Styrene	<1.00		1.00	0.370	ug/L			12/02/25 12:27	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/02/25 12:27	1
Toluene	<1.00		1.00	0.430	ug/L			12/02/25 12:27	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/02/25 12:27	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/02/25 12:27	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/02/25 12:27	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/02/25 12:27	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/02/25 12:27	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/02/25 12:27	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/02/25 12:27	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/02/25 12:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		76 - 130		12/02/25 12:27	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-13R

Lab Sample ID: 310-321513-9

Date Collected: 11/25/25 12:04

Matrix: Water

Date Received: 11/26/25 18:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		80 - 120		12/02/25 12:27	1
4-Bromofluorobenzene (Surr)	104		80 - 120		12/02/25 12:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00363		0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 14:47	1
Barium	0.0661		0.00200	0.000660	mg/L		12/02/25 09:00	12/12/25 14:47	1
Cobalt	0.00302		0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 14:47	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/02/25 09:00	12/12/25 14:47	1
Nickel	0.00941		0.00500	0.00230	mg/L		12/02/25 09:00	12/12/25 14:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	6.00		5.00	3.50	mg/L			12/01/25 12:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-15C

Lab Sample ID: 310-321513-10

Date Collected: 11/24/25 14:50

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/01/25 14:18	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/01/25 14:18	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/01/25 14:18	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/01/25 14:18	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/01/25 14:18	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/01/25 14:18	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/01/25 14:18	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/01/25 14:18	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/01/25 14:18	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/01/25 14:18	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/01/25 14:18	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/01/25 14:18	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/01/25 14:18	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/01/25 14:18	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/01/25 14:18	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/01/25 14:18	1
Acetone	<10.0		10.0	3.80	ug/L			12/01/25 14:18	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/01/25 14:18	1
Benzene	<0.500		0.500	0.220	ug/L			12/01/25 14:18	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/01/25 14:18	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/01/25 14:18	1
Bromoform	<5.00		5.00	2.60	ug/L			12/01/25 14:18	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/01/25 14:18	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/01/25 14:18	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/01/25 14:18	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/01/25 14:18	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/01/25 14:18	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/01/25 14:18	1
Chloroform	<3.00		3.00	1.30	ug/L			12/01/25 14:18	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/01/25 14:18	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/01/25 14:18	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/01/25 14:18	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/01/25 14:18	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/01/25 14:18	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/01/25 14:18	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/01/25 14:18	1
Styrene	<1.00		1.00	0.370	ug/L			12/01/25 14:18	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/01/25 14:18	1
Toluene	<1.00		1.00	0.430	ug/L			12/01/25 14:18	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/01/25 14:18	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/01/25 14:18	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/01/25 14:18	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/01/25 14:18	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/01/25 14:18	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/01/25 14:18	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/01/25 14:18	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/01/25 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		76 - 130		12/01/25 14:18	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-15C

Lab Sample ID: 310-321513-10

Date Collected: 11/24/25 14:50

Matrix: Water

Date Received: 11/26/25 18:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		12/01/25 14:18	1
4-Bromofluorobenzene (Surr)	110		80 - 120		12/01/25 14:18	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		12/02/25 09:00	12/12/25 14:49	1
Arsenic	0.000710	J	0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 14:49	1
Barium	0.102		0.00200	0.000660	mg/L		12/02/25 09:00	12/12/25 14:49	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/02/25 09:00	12/12/25 14:49	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/02/25 09:00	12/12/25 14:49	1
Chromium	<0.00500		0.00500	0.00180	mg/L		12/02/25 09:00	12/12/25 14:49	1
Cobalt	0.000290	J	0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 14:49	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/02/25 09:00	12/12/25 14:49	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/02/25 09:00	12/12/25 14:49	1
Nickel	0.00874		0.00500	0.00230	mg/L		12/02/25 09:00	12/12/25 14:49	1
Selenium	<0.00500		0.00500	0.00140	mg/L		12/02/25 09:00	12/12/25 14:49	1
Silver	<0.00100		0.00100	0.000500	mg/L		12/02/25 09:00	12/12/25 14:49	1
Thallium	<0.00100		0.00100	0.000570	mg/L		12/02/25 09:00	12/12/25 14:49	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/02/25 09:00	12/12/25 14:49	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/02/25 09:00	12/12/25 14:49	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			12/01/25 11:03	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-44

Lab Sample ID: 310-321513-11

Date Collected: 11/25/25 11:12

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/02/25 12:49	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/02/25 12:49	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/02/25 12:49	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/02/25 12:49	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/02/25 12:49	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/02/25 12:49	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/02/25 12:49	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/02/25 12:49	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/02/25 12:49	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/02/25 12:49	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/02/25 12:49	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/02/25 12:49	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/02/25 12:49	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/02/25 12:49	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/02/25 12:49	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/02/25 12:49	1
Acetone	<10.0		10.0	3.80	ug/L			12/02/25 12:49	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/02/25 12:49	1
Benzene	<0.500		0.500	0.220	ug/L			12/02/25 12:49	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/02/25 12:49	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/02/25 12:49	1
Bromoform	<5.00		5.00	2.60	ug/L			12/02/25 12:49	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/02/25 12:49	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/02/25 12:49	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/02/25 12:49	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/02/25 12:49	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/02/25 12:49	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/02/25 12:49	1
Chloroform	<3.00		3.00	1.30	ug/L			12/02/25 12:49	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/02/25 12:49	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/02/25 12:49	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/02/25 12:49	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/02/25 12:49	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/02/25 12:49	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/02/25 12:49	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/02/25 12:49	1
Styrene	<1.00		1.00	0.370	ug/L			12/02/25 12:49	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/02/25 12:49	1
Toluene	<1.00		1.00	0.430	ug/L			12/02/25 12:49	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/02/25 12:49	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/02/25 12:49	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/02/25 12:49	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/02/25 12:49	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/02/25 12:49	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/02/25 12:49	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/02/25 12:49	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/02/25 12:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		76 - 130		12/02/25 12:49	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-44

Lab Sample ID: 310-321513-11

Date Collected: 11/25/25 11:12

Matrix: Water

Date Received: 11/26/25 18:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120		12/02/25 12:49	1
4-Bromofluorobenzene (Surr)	105		80 - 120		12/02/25 12:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		12/02/25 09:00	12/12/25 14:52	1
Arsenic	0.00532		0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 14:52	1
Barium	0.0190		0.00200	0.000660	mg/L		12/02/25 09:00	12/12/25 14:52	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/02/25 09:00	12/12/25 14:52	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/02/25 09:00	12/12/25 14:52	1
Chromium	<0.00500		0.00500	0.00180	mg/L		12/02/25 09:00	12/12/25 14:52	1
Cobalt	0.000328	J	0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 14:52	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/02/25 09:00	12/12/25 14:52	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/02/25 09:00	12/12/25 14:52	1
Nickel	<0.00500		0.00500	0.00230	mg/L		12/02/25 09:00	12/12/25 14:52	1
Selenium	<0.00500		0.00500	0.00140	mg/L		12/02/25 09:00	12/12/25 14:52	1
Silver	<0.00100		0.00100	0.000500	mg/L		12/02/25 09:00	12/12/25 14:52	1
Thallium	<0.00100		0.00100	0.000570	mg/L		12/02/25 09:00	12/12/25 14:52	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/02/25 09:00	12/12/25 14:52	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/02/25 09:00	12/12/25 14:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	35.0		15.0	10.5	mg/L			12/01/25 12:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-14R

Lab Sample ID: 310-321513-12

Date Collected: 11/25/25 09:45

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/02/25 13:12	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/02/25 13:12	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/02/25 13:12	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/02/25 13:12	1
1,1-Dichloroethane	0.704	J	1.00	0.400	ug/L			12/02/25 13:12	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/02/25 13:12	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/02/25 13:12	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/02/25 13:12	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/02/25 13:12	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/02/25 13:12	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/02/25 13:12	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/02/25 13:12	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/02/25 13:12	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/02/25 13:12	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/02/25 13:12	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/02/25 13:12	1
Acetone	<10.0		10.0	3.80	ug/L			12/02/25 13:12	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/02/25 13:12	1
Benzene	0.481	J	0.500	0.220	ug/L			12/02/25 13:12	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/02/25 13:12	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/02/25 13:12	1
Bromoform	<5.00		5.00	2.60	ug/L			12/02/25 13:12	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/02/25 13:12	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/02/25 13:12	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/02/25 13:12	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/02/25 13:12	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/02/25 13:12	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/02/25 13:12	1
Chloroform	<3.00		3.00	1.30	ug/L			12/02/25 13:12	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/02/25 13:12	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/02/25 13:12	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/02/25 13:12	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/02/25 13:12	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/02/25 13:12	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/02/25 13:12	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/02/25 13:12	1
Styrene	<1.00		1.00	0.370	ug/L			12/02/25 13:12	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/02/25 13:12	1
Toluene	<1.00		1.00	0.430	ug/L			12/02/25 13:12	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/02/25 13:12	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/02/25 13:12	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/02/25 13:12	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/02/25 13:12	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/02/25 13:12	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/02/25 13:12	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/02/25 13:12	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/02/25 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	115		76 - 130		12/02/25 13:12	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-14R

Lab Sample ID: 310-321513-12

Date Collected: 11/25/25 09:45

Matrix: Water

Date Received: 11/26/25 18:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		12/02/25 13:12	1
4-Bromofluorobenzene (Surr)	106		80 - 120		12/02/25 13:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		12/02/25 09:00	12/12/25 14:54	1
Arsenic	0.00127	J	0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 14:54	1
Barium	0.0657		0.00200	0.000660	mg/L		12/02/25 09:00	12/12/25 14:54	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/02/25 09:00	12/12/25 14:54	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/02/25 09:00	12/12/25 14:54	1
Chromium	<0.00500		0.00500	0.00180	mg/L		12/02/25 09:00	12/12/25 14:54	1
Cobalt	0.0144		0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 14:54	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/02/25 09:00	12/12/25 14:54	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/02/25 09:00	12/12/25 14:54	1
Nickel	0.0408		0.00500	0.00230	mg/L		12/02/25 09:00	12/12/25 14:54	1
Selenium	<0.00500		0.00500	0.00140	mg/L		12/02/25 09:00	12/12/25 14:54	1
Silver	<0.00100		0.00100	0.000500	mg/L		12/02/25 09:00	12/12/25 14:54	1
Thallium	<0.00100		0.00100	0.000570	mg/L		12/02/25 09:00	12/12/25 14:54	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/02/25 09:00	12/12/25 14:54	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/02/25 09:00	12/12/25 14:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	4.25		1.88	1.31	mg/L			12/01/25 12:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-15R

Lab Sample ID: 310-321513-13

Date Collected: 11/24/25 14:12

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/01/25 14:41	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/01/25 14:41	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/01/25 14:41	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/01/25 14:41	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/01/25 14:41	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/01/25 14:41	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/01/25 14:41	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/01/25 14:41	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/01/25 14:41	1
1,2-Dichlorobenzene	0.431	J	1.00	0.370	ug/L			12/01/25 14:41	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/01/25 14:41	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/01/25 14:41	1
1,4-Dichlorobenzene	1.41		1.00	0.490	ug/L			12/01/25 14:41	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/01/25 14:41	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/01/25 14:41	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/01/25 14:41	1
Acetone	<10.0		10.0	3.80	ug/L			12/01/25 14:41	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/01/25 14:41	1
Benzene	0.842		0.500	0.220	ug/L			12/01/25 14:41	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/01/25 14:41	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/01/25 14:41	1
Bromoform	<5.00		5.00	2.60	ug/L			12/01/25 14:41	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/01/25 14:41	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/01/25 14:41	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/01/25 14:41	1
Chlorobenzene	1.89		1.00	0.350	ug/L			12/01/25 14:41	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/01/25 14:41	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/01/25 14:41	1
Chloroform	<3.00		3.00	1.30	ug/L			12/01/25 14:41	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/01/25 14:41	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/01/25 14:41	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/01/25 14:41	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/01/25 14:41	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/01/25 14:41	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/01/25 14:41	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/01/25 14:41	1
Styrene	<1.00		1.00	0.370	ug/L			12/01/25 14:41	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/01/25 14:41	1
Toluene	<1.00		1.00	0.430	ug/L			12/01/25 14:41	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/01/25 14:41	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/01/25 14:41	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/01/25 14:41	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/01/25 14:41	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/01/25 14:41	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/01/25 14:41	1
Vinyl chloride	0.691	J	1.00	0.430	ug/L			12/01/25 14:41	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/01/25 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		76 - 130		12/01/25 14:41	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-15R

Lab Sample ID: 310-321513-13

Date Collected: 11/24/25 14:12

Matrix: Water

Date Received: 11/26/25 18:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		12/01/25 14:41	1
4-Bromofluorobenzene (Surr)	113		80 - 120		12/01/25 14:41	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		12/02/25 09:00	12/12/25 14:57	1
Arsenic	0.101		0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 14:57	1
Barium	0.470		0.00200	0.000660	mg/L		12/02/25 09:00	12/12/25 14:57	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/02/25 09:00	12/12/25 14:57	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/02/25 09:00	12/12/25 14:57	1
Chromium	<0.00500		0.00500	0.00180	mg/L		12/02/25 09:00	12/12/25 14:57	1
Cobalt	0.00889		0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 14:57	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/02/25 09:00	12/12/25 14:57	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/02/25 09:00	12/12/25 14:57	1
Nickel	0.00800		0.00500	0.00230	mg/L		12/02/25 09:00	12/12/25 14:57	1
Selenium	<0.00500		0.00500	0.00140	mg/L		12/02/25 09:00	12/12/25 14:57	1
Silver	<0.00100		0.00100	0.000500	mg/L		12/02/25 09:00	12/12/25 14:57	1
Thallium	<0.00100		0.00100	0.000570	mg/L		12/02/25 09:00	12/12/25 14:57	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/02/25 09:00	12/12/25 14:57	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/02/25 09:00	12/12/25 14:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	54.0		15.0	10.5	mg/L			12/01/25 11:03	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-39

Lab Sample ID: 310-321513-14

Date Collected: 11/25/25 10:13

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/02/25 13:34	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/02/25 13:34	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/02/25 13:34	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/02/25 13:34	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/02/25 13:34	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/02/25 13:34	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/02/25 13:34	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/02/25 13:34	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/02/25 13:34	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/02/25 13:34	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/02/25 13:34	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/02/25 13:34	1
1,4-Dichlorobenzene	8.05		1.00	0.490	ug/L			12/02/25 13:34	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/02/25 13:34	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/02/25 13:34	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/02/25 13:34	1
Acetone	7.11	J	10.0	3.80	ug/L			12/02/25 13:34	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/02/25 13:34	1
Benzene	1.42		0.500	0.220	ug/L			12/02/25 13:34	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/02/25 13:34	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/02/25 13:34	1
Bromoform	<5.00		5.00	2.60	ug/L			12/02/25 13:34	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/02/25 13:34	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/02/25 13:34	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/02/25 13:34	1
Chlorobenzene	7.74		1.00	0.350	ug/L			12/02/25 13:34	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/02/25 13:34	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/02/25 13:34	1
Chloroform	<3.00		3.00	1.30	ug/L			12/02/25 13:34	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/02/25 13:34	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/02/25 13:34	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/02/25 13:34	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/02/25 13:34	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/02/25 13:34	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/02/25 13:34	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/02/25 13:34	1
Styrene	<1.00		1.00	0.370	ug/L			12/02/25 13:34	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/02/25 13:34	1
Toluene	0.563	J	1.00	0.430	ug/L			12/02/25 13:34	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/02/25 13:34	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/02/25 13:34	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/02/25 13:34	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/02/25 13:34	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/02/25 13:34	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/02/25 13:34	1
Vinyl chloride	1.27		1.00	0.430	ug/L			12/02/25 13:34	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/02/25 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	115		76 - 130		12/02/25 13:34	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-39

Lab Sample ID: 310-321513-14

Date Collected: 11/25/25 10:13

Matrix: Water

Date Received: 11/26/25 18:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		12/02/25 13:34	1
4-Bromofluorobenzene (Surr)	107		80 - 120		12/02/25 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		12/02/25 09:00	12/12/25 14:59	1
Arsenic	0.0339		0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 14:59	1
Barium	2.57		0.00800	0.00264	mg/L		12/02/25 09:00	12/14/25 21:08	4
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/02/25 09:00	12/12/25 14:59	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/02/25 09:00	12/12/25 14:59	1
Chromium	<0.00500		0.00500	0.00180	mg/L		12/02/25 09:00	12/12/25 14:59	1
Cobalt	0.0128		0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 14:59	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/02/25 09:00	12/12/25 14:59	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/02/25 09:00	12/12/25 14:59	1
Nickel	0.0217		0.00500	0.00230	mg/L		12/02/25 09:00	12/12/25 14:59	1
Selenium	<0.00500		0.00500	0.00140	mg/L		12/02/25 09:00	12/12/25 14:59	1
Silver	<0.00100		0.00100	0.000500	mg/L		12/02/25 09:00	12/12/25 14:59	1
Thallium	<0.00100		0.00100	0.000570	mg/L		12/02/25 09:00	12/12/25 14:59	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/02/25 09:00	12/12/25 14:59	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/02/25 09:00	12/12/25 14:59	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			12/01/25 11:03	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-40

Lab Sample ID: 310-321513-15

Date Collected: 11/24/25 13:39

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/02/25 01:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		80 - 120		12/02/25 01:34	1
Dibromofluoromethane (Surr)	111		76 - 130		12/02/25 01:34	1
Toluene-d8 (Surr)	91		80 - 120		12/02/25 01:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0325		0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 15:02	1
Barium	0.958		0.00200	0.000660	mg/L		12/02/25 09:00	12/12/25 15:02	1
Cobalt	0.000990		0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 15:02	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-43

Lab Sample ID: 310-321513-16

Date Collected: 11/25/25 10:33

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.06		1.00	0.430	ug/L			12/05/25 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		12/05/25 18:34	1
Dibromofluoromethane (Surr)	104		76 - 130		12/05/25 18:34	1
Toluene-d8 (Surr)	103		80 - 120		12/05/25 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00130	J	0.00200	0.000530	mg/L		12/03/25 09:00	12/06/25 19:18	1
Barium	0.518		0.00200	0.000660	mg/L		12/03/25 09:00	12/08/25 17:05	1
Cobalt	0.000665		0.000500	0.000170	mg/L		12/03/25 09:00	12/06/25 19:18	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-D

Lab Sample ID: 310-321513-17

Date Collected: 11/24/25 14:50

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/01/25 15:03	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/01/25 15:03	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/01/25 15:03	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/01/25 15:03	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/01/25 15:03	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/01/25 15:03	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/01/25 15:03	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/01/25 15:03	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/01/25 15:03	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/01/25 15:03	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/01/25 15:03	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/01/25 15:03	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/01/25 15:03	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/01/25 15:03	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/01/25 15:03	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/01/25 15:03	1
Acetone	<10.0		10.0	3.80	ug/L			12/01/25 15:03	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/01/25 15:03	1
Benzene	<0.500		0.500	0.220	ug/L			12/01/25 15:03	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/01/25 15:03	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/01/25 15:03	1
Bromoform	<5.00		5.00	2.60	ug/L			12/01/25 15:03	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/01/25 15:03	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/01/25 15:03	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/01/25 15:03	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/01/25 15:03	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/01/25 15:03	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/01/25 15:03	1
Chloroform	<3.00		3.00	1.30	ug/L			12/01/25 15:03	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/01/25 15:03	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/01/25 15:03	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/01/25 15:03	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/01/25 15:03	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/01/25 15:03	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/01/25 15:03	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/01/25 15:03	1
Styrene	<1.00		1.00	0.370	ug/L			12/01/25 15:03	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/01/25 15:03	1
Toluene	<1.00		1.00	0.430	ug/L			12/01/25 15:03	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/01/25 15:03	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/01/25 15:03	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/01/25 15:03	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/01/25 15:03	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/01/25 15:03	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/01/25 15:03	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/01/25 15:03	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/01/25 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		76 - 130		12/01/25 15:03	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-D

Lab Sample ID: 310-321513-17

Date Collected: 11/24/25 14:50

Matrix: Water

Date Received: 11/26/25 18:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		12/01/25 15:03	1
4-Bromofluorobenzene (Surr)	105		80 - 120		12/01/25 15:03	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		12/03/25 09:00	12/06/25 19:21	1
Arsenic	0.000696	J	0.00200	0.000530	mg/L		12/03/25 09:00	12/06/25 19:21	1
Barium	0.103		0.00200	0.000660	mg/L		12/03/25 09:00	12/08/25 17:08	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/03/25 09:00	12/06/25 19:21	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/03/25 09:00	12/06/25 19:21	1
Chromium	<0.00500		0.00500	0.00180	mg/L		12/03/25 09:00	12/06/25 19:21	1
Cobalt	0.000280	J	0.000500	0.000170	mg/L		12/03/25 09:00	12/06/25 19:21	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/03/25 09:00	12/08/25 17:08	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/03/25 09:00	12/06/25 19:21	1
Nickel	0.00756		0.00500	0.00230	mg/L		12/03/25 09:00	12/08/25 17:08	1
Selenium	<0.00500		0.00500	0.00140	mg/L		12/03/25 09:00	12/06/25 19:21	1
Silver	<0.00100		0.00100	0.000500	mg/L		12/03/25 09:00	12/06/25 19:21	1
Thallium	<0.00100		0.00100	0.000570	mg/L		12/03/25 09:00	12/06/25 19:21	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/03/25 09:00	12/06/25 19:21	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/03/25 09:00	12/08/25 17:08	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			12/01/25 11:03	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: Trip Blank 1

Lab Sample ID: 310-321513-18

Date Collected: 11/25/25 00:00

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/01/25 12:03	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/01/25 12:03	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/01/25 12:03	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/01/25 12:03	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/01/25 12:03	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/01/25 12:03	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/01/25 12:03	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/01/25 12:03	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/01/25 12:03	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/01/25 12:03	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/01/25 12:03	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/01/25 12:03	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/01/25 12:03	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/01/25 12:03	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/01/25 12:03	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/01/25 12:03	1
Acetone	<10.0		10.0	3.80	ug/L			12/01/25 12:03	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/01/25 12:03	1
Benzene	<0.500		0.500	0.220	ug/L			12/01/25 12:03	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/01/25 12:03	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/01/25 12:03	1
Bromoform	<5.00		5.00	2.60	ug/L			12/01/25 12:03	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/01/25 12:03	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/01/25 12:03	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/01/25 12:03	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/01/25 12:03	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/01/25 12:03	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/01/25 12:03	1
Chloroform	<3.00		3.00	1.30	ug/L			12/01/25 12:03	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/01/25 12:03	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/01/25 12:03	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/01/25 12:03	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/01/25 12:03	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/01/25 12:03	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/01/25 12:03	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/01/25 12:03	1
Styrene	<1.00		1.00	0.370	ug/L			12/01/25 12:03	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/01/25 12:03	1
Toluene	<1.00		1.00	0.430	ug/L			12/01/25 12:03	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/01/25 12:03	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/01/25 12:03	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/01/25 12:03	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/01/25 12:03	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/01/25 12:03	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/01/25 12:03	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/01/25 12:03	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/01/25 12:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		76 - 130		12/01/25 12:03	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: Trip Blank 1

Lab Sample ID: 310-321513-18

Date Collected: 11/25/25 00:00

Matrix: Water

Date Received: 11/26/25 18:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		12/01/25 12:03	1
4-Bromofluorobenzene (Surr)	109		80 - 120		12/01/25 12:03	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: Trip Blank 2

Lab Sample ID: 310-321513-19

Date Collected: 11/25/25 00:00

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/01/25 12:26	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/01/25 12:26	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/01/25 12:26	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/01/25 12:26	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/01/25 12:26	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/01/25 12:26	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/01/25 12:26	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/01/25 12:26	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/01/25 12:26	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/01/25 12:26	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/01/25 12:26	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/01/25 12:26	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/01/25 12:26	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/01/25 12:26	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/01/25 12:26	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/01/25 12:26	1
Acetone	<10.0		10.0	3.80	ug/L			12/01/25 12:26	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/01/25 12:26	1
Benzene	<0.500		0.500	0.220	ug/L			12/01/25 12:26	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/01/25 12:26	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/01/25 12:26	1
Bromoform	<5.00		5.00	2.60	ug/L			12/01/25 12:26	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/01/25 12:26	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/01/25 12:26	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/01/25 12:26	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/01/25 12:26	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/01/25 12:26	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/01/25 12:26	1
Chloroform	<3.00		3.00	1.30	ug/L			12/01/25 12:26	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/01/25 12:26	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/01/25 12:26	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/01/25 12:26	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/01/25 12:26	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/01/25 12:26	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/01/25 12:26	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/01/25 12:26	1
Styrene	<1.00		1.00	0.370	ug/L			12/01/25 12:26	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/01/25 12:26	1
Toluene	<1.00		1.00	0.430	ug/L			12/01/25 12:26	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/01/25 12:26	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/01/25 12:26	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/01/25 12:26	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/01/25 12:26	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/01/25 12:26	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/01/25 12:26	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/01/25 12:26	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/01/25 12:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		76 - 130		12/01/25 12:26	1

Eurofins Cedar Falls

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: Trip Blank 2

Lab Sample ID: 310-321513-19

Date Collected: 11/25/25 00:00

Matrix: Water

Date Received: 11/26/25 18:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		12/01/25 12:26	1
4-Bromofluorobenzene (Surr)	107		80 - 120		12/01/25 12:26	1

Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: Trip Blank 3

Lab Sample ID: 310-321513-20

Date Collected: 11/25/25 00:00

Matrix: Water

Date Received: 11/26/25 18:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/01/25 12:48	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/01/25 12:48	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/01/25 12:48	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/01/25 12:48	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/01/25 12:48	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/01/25 12:48	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/01/25 12:48	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/01/25 12:48	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/01/25 12:48	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/01/25 12:48	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/01/25 12:48	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/01/25 12:48	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/01/25 12:48	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/01/25 12:48	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/01/25 12:48	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/01/25 12:48	1
Acetone	<10.0		10.0	3.80	ug/L			12/01/25 12:48	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/01/25 12:48	1
Benzene	<0.500		0.500	0.220	ug/L			12/01/25 12:48	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/01/25 12:48	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/01/25 12:48	1
Bromoform	<5.00		5.00	2.60	ug/L			12/01/25 12:48	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/01/25 12:48	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/01/25 12:48	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/01/25 12:48	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/01/25 12:48	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/01/25 12:48	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/01/25 12:48	1
Chloroform	<3.00		3.00	1.30	ug/L			12/01/25 12:48	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/01/25 12:48	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/01/25 12:48	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/01/25 12:48	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/01/25 12:48	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/01/25 12:48	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/01/25 12:48	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/01/25 12:48	1
Styrene	<1.00		1.00	0.370	ug/L			12/01/25 12:48	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/01/25 12:48	1
Toluene	<1.00		1.00	0.430	ug/L			12/01/25 12:48	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/01/25 12:48	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/01/25 12:48	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/01/25 12:48	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/01/25 12:48	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/01/25 12:48	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/01/25 12:48	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/01/25 12:48	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/01/25 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		76 - 130		12/01/25 12:48	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: Trip Blank 3

Lab Sample ID: 310-321513-20

Date Collected: 11/25/25 00:00

Matrix: Water

Date Received: 11/26/25 18:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		12/01/25 12:48	1
4-Bromofluorobenzene (Surr)	108		80 - 120		12/01/25 12:48	1

Definitions/Glossary

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
*3	ISTD response or retention time outside acceptable limits.
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
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Metals

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

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Glossary

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

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Definitions/Glossary

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1

SDG: Cherokee County Sanitary Landfill

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)
310-321513-1	MW-16	103	93	108
310-321513-1 MS	MW-16	101	101	101
310-321513-1 MSD	MW-16	100	102	100
310-321513-2	MW-27	100	94	110
310-321513-3	MW-35	109	95	106
310-321513-4	MW-42R	102	96	107
310-321513-4	MW-42R	109	90	103
310-321513-6	MW-7	102	91	111
310-321513-9	MW-13R	111	91	104
310-321513-10	MW-15C	105	92	110
310-321513-11	MW-44	111	90	105
310-321513-12	MW-14R	115	92	106
310-321513-13	MW-15R	106	96	113
310-321513-14	MW-39	115	92	107
310-321513-15	MW-40	111	91	102
310-321513-16	MW-43	104	103	95
310-321513-17	MW-D	104	94	105
310-321513-18	Trip Blank 1	100	96	109
310-321513-19	Trip Blank 2	100	96	107
310-321513-20	Trip Blank 3	103	95	108
LCS 310-475115/6	Lab Control Sample	100	100	103
LCS 310-475115/7	Lab Control Sample	103	97	110
LCS 310-475120/7	Lab Control Sample	105	95	107
LCS 310-475233/6	Lab Control Sample	104	100	102
LCS 310-475233/7	Lab Control Sample	108	92	102
LCS 310-475656/7	Lab Control Sample	100	99	100
LCS 310-475713/6	Lab Control Sample	103	96	101
LCS 310-475713/7	Lab Control Sample	105	90	106
MB 310-475115/5	Method Blank	99	97	109
MB 310-475120/5	Method Blank	102	95	109
MB 310-475233/5	Method Blank	106	93	106
MB 310-475656/5	Method Blank	102	101	97
MB 310-475713/5	Method Blank	108	91	108

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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)
310-321513-6	MW-7	65	54	88	96	100	141 *3
LCS 310-475159/2-A	Lab Control Sample	64	53	82	84	118	110
LCSD 310-475159/3-A	Lab Control Sample Dup	60	50	82	79	112	
MB 310-475159/1-A	Method Blank	60	50	75	79	86	131

Surrogate Legend

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Surrogate Summary

Client: SCS Engineers

Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1

SDG: Cherokee County Sanitary Landfill

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: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB1 (10-150)	TCX1 (17-150)
310-321513-6	MW-7	66	62
LCS 310-475321/2-A	Lab Control Sample	34	67
MB 310-475321/1-A	Method Blank	35	67

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB1 (10-150)	TCX1 (17-150)
310-321513-6	MW-7	66	60
LCS 310-475321/18-A	Lab Control Sample	19	49
MB 310-475321/1-A	Method Blank	44	79

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPAA1 (34-142)	DCPAA2 (34-142)
310-321513-6	MW-7	101	89
LCS 410-739154/2-A	Lab Control Sample	97	88
LCS 410-739154/2-A - DL	Lab Control Sample	103	95
MB 410-739154/1-A	Method Blank	97	84

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid (Surr)

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: MB 310-475115/5

Matrix: Water

Analysis Batch: 475115

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<1.00		1.00	0.410	ug/L			12/01/25 10:10	1
1,2,4-Trichlorobenzene	<5.00		5.00	1.90	ug/L			12/01/25 10:10	1
1,3-Dichlorobenzene	<1.00		1.00	0.470	ug/L			12/01/25 10:10	1
1,3-Dichloropropane	<1.00		1.00	0.390	ug/L			12/01/25 10:10	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			12/01/25 10:10	1
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/01/25 10:10	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/01/25 10:10	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/01/25 10:10	1
Acetone	<10.0		10.0	3.80	ug/L			12/01/25 10:10	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/01/25 10:10	1
Acrolein	<10.0		10.0	3.60	ug/L			12/01/25 10:10	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/01/25 10:10	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/01/25 10:10	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/01/25 10:10	1
Allyl chloride	<2.00		2.00	0.700	ug/L			12/01/25 10:10	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/01/25 10:10	1
Benzene	<0.500		0.500	0.220	ug/L			12/01/25 10:10	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/01/25 10:10	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/01/25 10:10	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/01/25 10:10	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/01/25 10:10	1
Bromoform	<5.00		5.00	2.60	ug/L			12/01/25 10:10	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/01/25 10:10	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/01/25 10:10	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/01/25 10:10	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/01/25 10:10	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/01/25 10:10	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/01/25 10:10	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/01/25 10:10	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/01/25 10:10	1
Chloroform	<3.00		3.00	1.30	ug/L			12/01/25 10:10	1
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/01/25 10:10	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/01/25 10:10	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/01/25 10:10	1
Chloroprene	<1.00		1.00	0.320	ug/L			12/01/25 10:10	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/01/25 10:10	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/01/25 10:10	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/01/25 10:10	1
Dichlorodifluoromethane	<3.00		3.00	0.850	ug/L			12/01/25 10:10	1
Ethyl methacrylate	<2.00		2.00	0.630	ug/L			12/01/25 10:10	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/01/25 10:10	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/01/25 10:10	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/01/25 10:10	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/01/25 10:10	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			12/01/25 10:10	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			12/01/25 10:10	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/01/25 10:10	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/01/25 10:10	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: MB 310-475115/5

Matrix: Water

Analysis Batch: 475115

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Naphthalene	<5.00		5.00	1.80	ug/L			12/01/25 10:10	1
Propionitrile	<10.0		10.0	3.40	ug/L			12/01/25 10:10	1
Styrene	<1.00		1.00	0.370	ug/L			12/01/25 10:10	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/01/25 10:10	1
Toluene	<1.00		1.00	0.430	ug/L			12/01/25 10:10	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/01/25 10:10	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/01/25 10:10	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/01/25 10:10	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/01/25 10:10	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/01/25 10:10	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/01/25 10:10	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/01/25 10:10	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/01/25 10:10	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	99		76 - 130		12/01/25 10:10	1
Toluene-d8 (Surr)	97		80 - 120		12/01/25 10:10	1
4-Bromofluorobenzene (Surr)	109		80 - 120		12/01/25 10:10	1

Lab Sample ID: LCS 310-475115/6

Matrix: Water

Analysis Batch: 475115

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	20.0	20.09		ug/L		100	70 - 133
1,2,4-Trichlorobenzene	20.0	19.80		ug/L		99	69 - 125
1,3-Dichlorobenzene	20.0	20.39		ug/L		102	71 - 120
1,3-Dichloropropane	20.0	18.88		ug/L		94	72 - 125
2,2-Dichloropropane	20.0	24.20		ug/L		121	51 - 146
1,2-Dibromo-3-chloropropane	20.0	19.80		ug/L		99	62 - 132
2-Butanone (MEK)	40.0	36.56		ug/L		91	60 - 134
1,2-Dibromoethane (EDB)	20.0	19.24		ug/L		96	74 - 122
Acetone	40.0	41.54		ug/L		104	59 - 136
1,2-Dichlorobenzene	20.0	19.91		ug/L		100	74 - 120
Acrolein	94.8	95.90		ug/L		101	50 - 150
1,4-Dichlorobenzene	20.0	21.10		ug/L		105	72 - 120
Acrylonitrile	200	195.8		ug/L		98	50 - 150
1,1-Dichloroethane	20.0	18.93		ug/L		95	69 - 127
Allyl chloride	20.0	20.05		ug/L		100	61 - 136
1,2-Dichloroethane	20.0	20.06		ug/L		100	68 - 125
Benzene	20.0	18.77		ug/L		94	71 - 125
1,1-Dichloroethene	20.0	20.02		ug/L		100	64 - 134
Bromochloromethane	20.0	19.57		ug/L		98	69 - 131
1,2-Dichloropropane	20.0	18.46		ug/L		92	72 - 128
Bromodichloromethane	20.0	20.71		ug/L		104	70 - 122
Bromoform	20.0	19.46		ug/L		97	62 - 122
2-Hexanone	40.0	39.89		ug/L		100	62 - 139
Carbon disulfide	20.0	19.62		ug/L		98	58 - 137

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: LCS 310-475115/6

Matrix: Water

Analysis Batch: 475115

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	20.0	24.30		ug/L		121	63 - 136
4-Methyl-2-pentanone (MIBK)	40.0	36.49		ug/L		91	62 - 136
Chlorobenzene	20.0	19.29		ug/L		96	74 - 120
Chlorodibromomethane	20.0	19.74		ug/L		99	69 - 121
Chloroform	20.0	19.34		ug/L		97	72 - 122
1,1,1,2-Tetrachloroethane	20.0	20.75		ug/L		104	70 - 121
1,1,2,2-Tetrachloroethane	20.0	18.87		ug/L		94	70 - 122
Chloroprene	20.0	20.76		ug/L		104	67 - 136
cis-1,2-Dichloroethene	20.0	19.63		ug/L		98	72 - 123
cis-1,3-Dichloropropene	20.0	20.84		ug/L		104	72 - 123
Dibromomethane	20.0	20.19		ug/L		101	72 - 122
Ethyl methacrylate	20.0	19.91		ug/L		100	68 - 128
Ethylbenzene	20.0	19.57		ug/L		98	75 - 120
1,1,1-Trichloroethane	20.0	22.64		ug/L		113	69 - 130
Iodomethane	20.0	16.60		ug/L		83	18 - 150
1,1,2-Trichloroethane	20.0	21.67		ug/L		108	75 - 121
Methacrylonitrile	200	197.5		ug/L		99	67 - 128
Methyl methacrylate	40.0	41.91		ug/L		105	69 - 129
1,2,3-Trichloropropane	20.0	19.65		ug/L		98	70 - 122
Methylene chloride	20.0	20.44		ug/L		102	72 - 128
Naphthalene	20.0	19.49		ug/L		97	69 - 126
Propionitrile	200	192.1		ug/L		96	68 - 131
Styrene	20.0	19.14		ug/L		96	74 - 122
Tetrachloroethene	20.0	21.16		ug/L		106	70 - 128
Toluene	20.0	20.15		ug/L		101	74 - 120
trans-1,2-Dichloroethene	20.0	20.49		ug/L		102	67 - 127
trans-1,3-Dichloropropene	20.0	18.63		ug/L		93	67 - 123
trans-1,4-Dichloro-2-butene	20.0	18.02		ug/L		90	50 - 150
Trichloroethene	20.0	19.47		ug/L		97	70 - 128
Vinyl acetate	40.0	38.14		ug/L		95	50 - 150
Xylenes, Total	40.0	39.16		ug/L		98	74 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	100		76 - 130
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120

Lab Sample ID: LCS 310-475115/7

Matrix: Water

Analysis Batch: 475115

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	17.32		ug/L		87	33 - 138
Chloroethane	20.0	18.22		ug/L		91	59 - 139
Chloromethane	20.0	17.29		ug/L		86	52 - 146
Dichlorodifluoromethane	20.0	18.28		ug/L		91	45 - 150
Trichlorofluoromethane	20.0	19.88		ug/L		99	55 - 150
Vinyl chloride	20.0	18.49		ug/L		92	60 - 142

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: LCS 310-475115/7

Matrix: Water

Analysis Batch: 475115

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	103		76 - 130
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	110		80 - 120

Lab Sample ID: 310-321513-1 MS

Matrix: Water

Analysis Batch: 475115

Client Sample ID: MW-16

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	<1.00		25.0	21.38		ug/L		86	55 - 133
1,2,4-Trichlorobenzene	<5.00		25.0	23.20		ug/L		93	55 - 126
1,3-Dichlorobenzene	<1.00		25.0	24.65		ug/L		99	58 - 120
1,3-Dichloropropane	<1.00		25.0	23.84		ug/L		95	58 - 125
2,2-Dichloropropane	<4.00		25.0	23.23		ug/L		93	34 - 146
1,2-Dibromo-3-chloropropane	<5.00		25.0	24.53		ug/L		98	44 - 138
2-Butanone (MEK)	<10.0		50.0	43.79		ug/L		88	46 - 134
1,2-Dibromoethane (EDB)	<1.00		25.0	23.83		ug/L		95	60 - 122
Acetone	<10.0		50.0	53.69		ug/L		107	39 - 141
1,2-Dichlorobenzene	<1.00		25.0	24.44		ug/L		98	60 - 120
Acrolein	<10.0		119	117.0		ug/L		99	39 - 150
1,4-Dichlorobenzene	<1.00		25.0	25.90		ug/L		104	58 - 120
Acrylonitrile	<5.00		250	280.2		ug/L		112	41 - 150
1,1-Dichloroethane	<1.00		25.0	22.27		ug/L		89	53 - 127
Allyl chloride	<2.00		25.0	21.57		ug/L		86	47 - 136
1,2-Dichloroethane	<1.00		25.0	23.97		ug/L		96	48 - 128
Benzene	<0.500		25.0	22.32		ug/L		89	48 - 125
1,1-Dichloroethene	<2.00		25.0	22.62		ug/L		90	51 - 134
Bromochloromethane	<5.00		25.0	23.63		ug/L		95	55 - 131
1,2-Dichloropropane	<1.00		25.0	23.52		ug/L		94	59 - 128
Bromodichloromethane	<1.00		25.0	24.87		ug/L		99	53 - 122
Bromoform	<5.00		25.0	24.20		ug/L		97	47 - 122
2-Hexanone	<10.0		50.0	50.74		ug/L		101	46 - 141
Carbon disulfide	<1.00		25.0	25.00		ug/L		100	45 - 137
Carbon tetrachloride	<2.00		25.0	25.32		ug/L		101	45 - 136
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	48.35		ug/L		97	49 - 138
Chlorobenzene	<1.00		25.0	23.95		ug/L		96	59 - 120
Chlorodibromomethane	<5.00		25.0	23.81		ug/L		95	53 - 121
Chloroform	<3.00		25.0	23.24		ug/L		93	52 - 122
1,1,1,2-Tetrachloroethane	<1.00		25.0	25.31		ug/L		101	55 - 121
1,1,2,2-Tetrachloroethane	<1.00		25.0	24.96		ug/L		100	55 - 123
Chloroprene	<1.00		25.0	22.09		ug/L		88	48 - 136
cis-1,2-Dichloroethene	<1.00		25.0	23.20		ug/L		93	51 - 123
cis-1,3-Dichloropropene	<5.00		25.0	24.32		ug/L		97	55 - 123
Dibromomethane	<1.00		25.0	25.47		ug/L		102	57 - 122
Ethyl methacrylate	<2.00		25.0	25.44		ug/L		102	53 - 129
Ethylbenzene	<1.00		25.0	23.20		ug/L		93	53 - 120
1,1,1-Trichloroethane	<1.00		25.0	23.97		ug/L		96	53 - 130
Iodomethane	<10.0		25.0	15.26		ug/L		61	18 - 150

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: 310-321513-1 MS

Matrix: Water

Analysis Batch: 475115

Client Sample ID: MW-16

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	<1.00		25.0	27.47		ug/L		110	60 - 121
Methacrylonitrile	<10.0		250	259.1		ug/L		104	53 - 128
Methyl methacrylate	<2.00		50.0	55.55		ug/L		111	48 - 137
1,2,3-Trichloropropane	<1.00		25.0	24.38		ug/L		98	56 - 122
Methylene chloride	<5.00		25.0	24.94		ug/L		100	59 - 128
Naphthalene	<5.00		25.0	23.88		ug/L		96	45 - 144
Propionitrile	<10.0		250	265.9		ug/L		106	56 - 131
Styrene	<1.00		25.0	24.25		ug/L		97	50 - 125
Tetrachloroethene	<1.00		25.0	23.93		ug/L		96	51 - 128
Toluene	<1.00		25.0	24.19		ug/L		97	52 - 120
trans-1,2-Dichloroethene	<1.00		25.0	23.50		ug/L		94	53 - 127
trans-1,3-Dichloropropene	<5.00		25.0	22.50		ug/L		90	50 - 123
trans-1,4-Dichloro-2-butene	<10.0		25.0	23.33		ug/L		93	28 - 150
Trichloroethene	<1.00		25.0	22.06		ug/L		88	50 - 128
Vinyl acetate	<10.0		50.0	41.92		ug/L		84	31 - 150
Xylenes, Total	<3.00		50.0	47.32		ug/L		95	50 - 122

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

Lab Sample ID: 310-321513-1 MSD

Matrix: Water

Analysis Batch: 475115

Client Sample ID: MW-16

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-Dichloropropene	<1.00		25.0	20.97		ug/L		84	55 - 133	2	20
1,2,4-Trichlorobenzene	<5.00		25.0	23.58		ug/L		94	55 - 126	2	20
1,3-Dichlorobenzene	<1.00		25.0	24.78		ug/L		99	58 - 120	1	20
1,3-Dichloropropane	<1.00		25.0	23.58		ug/L		94	58 - 125	1	20
2,2-Dichloropropane	<4.00		25.0	22.94		ug/L		92	34 - 146	1	20
1,2-Dibromo-3-chloropropane	<5.00		25.0	24.90		ug/L		100	44 - 138	2	24
2-Butanone (MEK)	<10.0		50.0	45.43		ug/L		91	46 - 134	4	23
1,2-Dibromoethane (EDB)	<1.00		25.0	23.18		ug/L		93	60 - 122	3	20
Acetone	<10.0		50.0	54.94		ug/L		110	39 - 141	2	23
1,2-Dichlorobenzene	<1.00		25.0	24.59		ug/L		98	60 - 120	1	20
Acrolein	<10.0		119	119.6		ug/L		101	39 - 150	2	33
1,4-Dichlorobenzene	<1.00		25.0	25.52		ug/L		102	58 - 120	1	20
Acrylonitrile	<5.00		250	277.0		ug/L		111	41 - 150	1	20
1,1-Dichloroethane	<1.00		25.0	21.96		ug/L		88	53 - 127	1	20
Allyl chloride	<2.00		25.0	21.72		ug/L		87	47 - 136	1	33
1,2-Dichloroethane	<1.00		25.0	23.39		ug/L		94	48 - 128	2	20
Benzene	<0.500		25.0	21.98		ug/L		88	48 - 125	2	20
1,1-Dichloroethene	<2.00		25.0	22.40		ug/L		90	51 - 134	1	20
Bromochloromethane	<5.00		25.0	23.45		ug/L		94	55 - 131	1	21
1,2-Dichloropropane	<1.00		25.0	23.14		ug/L		93	59 - 128	2	20
Bromodichloromethane	<1.00		25.0	25.19		ug/L		101	53 - 122	1	20

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: 310-321513-1 MSD

Matrix: Water

Analysis Batch: 475115

Client Sample ID: MW-16

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromoform	<5.00		25.0	24.32		ug/L		97	47 - 122	0	20
2-Hexanone	<10.0		50.0	51.35		ug/L		103	46 - 141	1	20
Carbon disulfide	<1.00		25.0	22.35		ug/L		89	45 - 137	11	24
Carbon tetrachloride	<2.00		25.0	24.81		ug/L		99	45 - 136	2	20
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	48.20		ug/L		96	49 - 138	0	20
Chlorobenzene	<1.00		25.0	23.76		ug/L		95	59 - 120	1	20
Chlorodibromomethane	<5.00		25.0	24.36		ug/L		97	53 - 121	2	20
Chloroform	<3.00		25.0	22.95		ug/L		92	52 - 122	1	20
1,1,1,2-Tetrachloroethane	<1.00		25.0	24.54		ug/L		98	55 - 121	3	20
1,1,2,2-Tetrachloroethane	<1.00		25.0	24.87		ug/L		99	55 - 123	0	20
Chloroprene	<1.00		25.0	21.38		ug/L		86	48 - 136	3	20
cis-1,2-Dichloroethene	<1.00		25.0	22.95		ug/L		92	51 - 123	1	20
cis-1,3-Dichloropropene	<5.00		25.0	24.24		ug/L		97	55 - 123	0	20
Dibromomethane	<1.00		25.0	25.29		ug/L		101	57 - 122	1	20
Ethyl methacrylate	<2.00		25.0	25.43		ug/L		102	53 - 129	0	20
Ethylbenzene	<1.00		25.0	23.09		ug/L		92	53 - 120	0	20
1,1,1-Trichloroethane	<1.00		25.0	23.76		ug/L		95	53 - 130	1	20
Iodomethane	<10.0		25.0	19.27		ug/L		77	18 - 150	23	32
1,1,2-Trichloroethane	<1.00		25.0	27.32		ug/L		109	60 - 121	1	20
Methacrylonitrile	<10.0		250	262.1		ug/L		105	53 - 128	1	20
Methyl methacrylate	<2.00		50.0	54.47		ug/L		109	48 - 137	2	20
1,2,3-Trichloropropane	<1.00		25.0	25.19		ug/L		101	56 - 122	3	21
Methylene chloride	<5.00		25.0	24.37		ug/L		97	59 - 128	2	20
Naphthalene	<5.00		25.0	24.49		ug/L		98	45 - 144	3	32
Propionitrile	<10.0		250	268.1		ug/L		107	56 - 131	1	20
Styrene	<1.00		25.0	24.43		ug/L		98	50 - 125	1	20
Tetrachloroethene	<1.00		25.0	23.71		ug/L		95	51 - 128	1	20
Toluene	<1.00		25.0	23.68		ug/L		95	52 - 120	2	20
trans-1,2-Dichloroethene	<1.00		25.0	22.34		ug/L		89	53 - 127	5	20
trans-1,3-Dichloropropene	<5.00		25.0	22.14		ug/L		89	50 - 123	2	20
trans-1,4-Dichloro-2-butene	<10.0		25.0	23.03		ug/L		92	28 - 150	1	24
Trichloroethene	<1.00		25.0	21.53		ug/L		86	50 - 128	2	20
Vinyl acetate	<10.0		50.0	43.42		ug/L		87	31 - 150	4	25
Xylenes, Total	<3.00		50.0	47.85		ug/L		96	50 - 122	1	20

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

Lab Sample ID: MB 310-475120/5

Matrix: Water

Analysis Batch: 475120

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/01/25 21:03	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: MB 310-475120/5

Matrix: Water

Analysis Batch: 475120

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	102		76 - 130		12/01/25 21:03	1
Toluene-d8 (Surr)	95		80 - 120		12/01/25 21:03	1
4-Bromofluorobenzene (Surr)	109		80 - 120		12/01/25 21:03	1

Lab Sample ID: LCS 310-475120/7

Matrix: Water

Analysis Batch: 475120

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	20.0	19.52		ug/L		98	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	105		76 - 130
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	107		80 - 120

Lab Sample ID: MB 310-475233/5

Matrix: Water

Analysis Batch: 475233

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/02/25 09:26	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/02/25 09:26	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/02/25 09:26	1
Acetone	<10.0		10.0	3.80	ug/L			12/02/25 09:26	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/02/25 09:26	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/02/25 09:26	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/02/25 09:26	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/02/25 09:26	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/02/25 09:26	1
Benzene	<0.500		0.500	0.220	ug/L			12/02/25 09:26	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/02/25 09:26	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/02/25 09:26	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/02/25 09:26	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/02/25 09:26	1
Bromoform	<5.00		5.00	2.60	ug/L			12/02/25 09:26	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/02/25 09:26	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/02/25 09:26	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/02/25 09:26	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/02/25 09:26	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/02/25 09:26	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/02/25 09:26	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/02/25 09:26	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/02/25 09:26	1
Chloroform	<3.00		3.00	1.30	ug/L			12/02/25 09:26	1
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			12/02/25 09:26	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/02/25 09:26	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/02/25 09:26	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: MB 310-475233/5

Matrix: Water

Analysis Batch: 475233

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/02/25 09:26	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/02/25 09:26	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/02/25 09:26	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/02/25 09:26	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/02/25 09:26	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/02/25 09:26	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/02/25 09:26	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/02/25 09:26	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/02/25 09:26	1
Styrene	<1.00		1.00	0.370	ug/L			12/02/25 09:26	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/02/25 09:26	1
Toluene	<1.00		1.00	0.430	ug/L			12/02/25 09:26	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/02/25 09:26	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/02/25 09:26	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/02/25 09:26	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/02/25 09:26	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/02/25 09:26	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/02/25 09:26	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/02/25 09:26	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/02/25 09:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		76 - 130		12/02/25 09:26	1
Toluene-d8 (Surr)	93		80 - 120		12/02/25 09:26	1
4-Bromofluorobenzene (Surr)	106		80 - 120		12/02/25 09:26	1

Lab Sample ID: LCS 310-475233/6

Matrix: Water

Analysis Batch: 475233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-chloropropane	20.0	19.51		ug/L		98	62 - 132
2-Butanone (MEK)	40.0	35.56		ug/L		89	60 - 134
1,2-Dibromoethane (EDB)	20.0	18.85		ug/L		94	74 - 122
Acetone	40.0	45.99		ug/L		115	59 - 136
1,2-Dichlorobenzene	20.0	19.68		ug/L		98	74 - 120
1,4-Dichlorobenzene	20.0	20.36		ug/L		102	72 - 120
Acrylonitrile	200	241.8		ug/L		121	50 - 150
1,1-Dichloroethane	20.0	19.98		ug/L		100	69 - 127
1,2-Dichloroethane	20.0	20.00		ug/L		100	68 - 125
Benzene	20.0	19.40		ug/L		97	71 - 125
1,1-Dichloroethene	20.0	19.82		ug/L		99	64 - 134
Bromochloromethane	20.0	20.59		ug/L		103	69 - 131
1,2-Dichloropropane	20.0	19.69		ug/L		98	72 - 128
Bromodichloromethane	20.0	20.24		ug/L		101	70 - 122
Bromoform	20.0	18.90		ug/L		95	62 - 122
2-Hexanone	40.0	41.99		ug/L		105	62 - 139
Carbon disulfide	20.0	19.95		ug/L		100	58 - 137

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QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: LCS 310-475233/6

Matrix: Water

Analysis Batch: 475233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	20.0	22.57		ug/L		113	63 - 136
4-Methyl-2-pentanone (MIBK)	40.0	38.20		ug/L		95	62 - 136
Chlorobenzene	20.0	18.86		ug/L		94	74 - 120
Chlorodibromomethane	20.0	19.11		ug/L		96	69 - 121
Chloroform	20.0	19.62		ug/L		98	72 - 122
1,1,1,2-Tetrachloroethane	20.0	19.16		ug/L		96	70 - 121
1,1,2,2-Tetrachloroethane	20.0	20.35		ug/L		102	70 - 122
cis-1,2-Dichloroethene	20.0	19.96		ug/L		100	72 - 123
cis-1,3-Dichloropropene	20.0	19.53		ug/L		98	72 - 123
Dibromomethane	20.0	20.85		ug/L		104	72 - 122
Ethylbenzene	20.0	18.66		ug/L		93	75 - 120
1,1,1-Trichloroethane	20.0	21.54		ug/L		108	69 - 130
Iodomethane	20.0	15.31		ug/L		77	18 - 150
1,1,2-Trichloroethane	20.0	22.17		ug/L		111	75 - 121
1,2,3-Trichloropropane	20.0	21.36		ug/L		107	70 - 122
Methylene chloride	20.0	22.70		ug/L		113	72 - 128
Styrene	20.0	18.98		ug/L		95	74 - 122
Tetrachloroethene	20.0	19.42		ug/L		97	70 - 128
Toluene	20.0	19.07		ug/L		95	74 - 120
trans-1,2-Dichloroethene	20.0	20.56		ug/L		103	67 - 127
trans-1,3-Dichloropropene	20.0	17.70		ug/L		88	67 - 123
trans-1,4-Dichloro-2-butene	20.0	17.85		ug/L		89	50 - 150
Trichloroethene	20.0	18.30		ug/L		91	70 - 128
Vinyl acetate	40.0	38.31		ug/L		96	50 - 150
Xylenes, Total	40.0	37.74		ug/L		94	74 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	104		76 - 130
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120

Lab Sample ID: LCS 310-475233/7

Matrix: Water

Analysis Batch: 475233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	20.19		ug/L		101	33 - 138
Chloroethane	20.0	22.55		ug/L		113	59 - 139
Chloromethane	20.0	23.03		ug/L		115	52 - 146
Trichlorofluoromethane	20.0	22.23		ug/L		111	55 - 150
Vinyl chloride	20.0	23.43		ug/L		117	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	108		76 - 130
Toluene-d8 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120

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QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/05/25 12:16	1
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 310-475656/7

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
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				

Lab Sample ID: MB 310-475713/5

Matrix: Water

Analysis Batch: 475713

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-chloropropane	<5.00		5.00	1.20	ug/L			12/05/25 18:27	1
2-Butanone (MEK)	<10.0		10.0	3.40	ug/L			12/05/25 18:27	1
1,2-Dibromoethane (EDB)	<1.00		1.00	0.340	ug/L			12/05/25 18:27	1
Acetone	<10.0		10.0	3.80	ug/L			12/05/25 18:27	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			12/05/25 18:27	1
1,4-Dichlorobenzene	<1.00		1.00	0.490	ug/L			12/05/25 18:27	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			12/05/25 18:27	1
1,1-Dichloroethane	<1.00		1.00	0.400	ug/L			12/05/25 18:27	1
1,2-Dichloroethane	<1.00		1.00	0.890	ug/L			12/05/25 18:27	1
Benzene	<0.500		0.500	0.220	ug/L			12/05/25 18:27	1
1,1-Dichloroethene	<2.00		2.00	0.460	ug/L			12/05/25 18:27	1
Bromochloromethane	<5.00		5.00	1.70	ug/L			12/05/25 18:27	1
1,2-Dichloropropane	<1.00		1.00	0.380	ug/L			12/05/25 18:27	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			12/05/25 18:27	1
Bromoform	<5.00		5.00	2.60	ug/L			12/05/25 18:27	1
2-Hexanone	<10.0		10.0	3.80	ug/L			12/05/25 18:27	1
Bromomethane	<4.00		4.00	1.10	ug/L			12/05/25 18:27	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			12/05/25 18:27	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			12/05/25 18:27	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	3.50	ug/L			12/05/25 18:27	1
Chlorobenzene	<1.00		1.00	0.350	ug/L			12/05/25 18:27	1
Chlorodibromomethane	<5.00		5.00	1.50	ug/L			12/05/25 18:27	1
Chloroethane	<4.00		4.00	0.900	ug/L			12/05/25 18:27	1
Chloroform	<3.00		3.00	1.30	ug/L			12/05/25 18:27	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: MB 310-475713/5

Matrix: Water

Analysis Batch: 475713

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 18:27	1
Chloromethane	<3.00		3.00	0.610	ug/L			12/05/25 18:27	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.350	ug/L			12/05/25 18:27	1
cis-1,2-Dichloroethene	<1.00		1.00	0.550	ug/L			12/05/25 18:27	1
cis-1,3-Dichloropropene	<5.00		5.00	1.20	ug/L			12/05/25 18:27	1
Dibromomethane	<1.00		1.00	0.330	ug/L			12/05/25 18:27	1
Ethylbenzene	<1.00		1.00	0.420	ug/L			12/05/25 18:27	1
1,1,1-Trichloroethane	<1.00		1.00	0.420	ug/L			12/05/25 18:27	1
Iodomethane	<10.0		10.0	2.60	ug/L			12/05/25 18:27	1
1,1,2-Trichloroethane	<1.00		1.00	0.330	ug/L			12/05/25 18:27	1
1,2,3-Trichloropropane	<1.00		1.00	0.430	ug/L			12/05/25 18:27	1
Methylene chloride	<5.00		5.00	1.70	ug/L			12/05/25 18:27	1
Styrene	<1.00		1.00	0.370	ug/L			12/05/25 18:27	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			12/05/25 18:27	1
Toluene	<1.00		1.00	0.430	ug/L			12/05/25 18:27	1
trans-1,2-Dichloroethene	<1.00		1.00	0.410	ug/L			12/05/25 18:27	1
trans-1,3-Dichloropropene	<5.00		5.00	2.30	ug/L			12/05/25 18:27	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	2.40	ug/L			12/05/25 18:27	1
Trichloroethene	<1.00		1.00	0.350	ug/L			12/05/25 18:27	1
Trichlorofluoromethane	<4.00		4.00	0.470	ug/L			12/05/25 18:27	1
Vinyl acetate	<10.0		10.0	7.10	ug/L			12/05/25 18:27	1
Vinyl chloride	<1.00		1.00	0.430	ug/L			12/05/25 18:27	1
Xylenes, Total	<3.00		3.00	1.10	ug/L			12/05/25 18:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	108		76 - 130		12/05/25 18:27	1
Toluene-d8 (Surr)	91		80 - 120		12/05/25 18:27	1
4-Bromofluorobenzene (Surr)	108		80 - 120		12/05/25 18:27	1

Lab Sample ID: LCS 310-475713/6

Matrix: Water

Analysis Batch: 475713

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-chloropropane	20.0	19.48		ug/L		97	62 - 132
2-Butanone (MEK)	40.0	35.54		ug/L		89	60 - 134
1,2-Dibromoethane (EDB)	20.0	17.97		ug/L		90	74 - 122
Acetone	40.0	43.69		ug/L		109	59 - 136
1,2-Dichlorobenzene	20.0	20.81		ug/L		104	74 - 120
1,4-Dichlorobenzene	20.0	21.60		ug/L		108	72 - 120
Acrylonitrile	200	235.4		ug/L		118	50 - 150
1,1-Dichloroethane	20.0	20.35		ug/L		102	69 - 127
1,2-Dichloroethane	20.0	19.38		ug/L		97	68 - 125
Benzene	20.0	20.07		ug/L		100	71 - 125
1,1-Dichloroethene	20.0	21.02		ug/L		105	64 - 134
Bromochloromethane	20.0	20.68		ug/L		103	69 - 131
1,2-Dichloropropane	20.0	19.68		ug/L		98	72 - 128
Bromodichloromethane	20.0	19.82		ug/L		99	70 - 122

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: LCS 310-475713/6

Matrix: Water

Analysis Batch: 475713

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromoform	20.0	18.06		ug/L		90	62 - 122
2-Hexanone	40.0	41.15		ug/L		103	62 - 139
Carbon disulfide	20.0	21.69		ug/L		108	58 - 137
Carbon tetrachloride	20.0	23.03		ug/L		115	63 - 136
4-Methyl-2-pentanone (MIBK)	40.0	36.74		ug/L		92	62 - 136
Chlorobenzene	20.0	19.05		ug/L		95	74 - 120
Chlorodibromomethane	20.0	18.49		ug/L		92	69 - 121
Chloroform	20.0	19.90		ug/L		100	72 - 122
1,1,1,2-Tetrachloroethane	20.0	19.60		ug/L		98	70 - 121
1,1,2,2-Tetrachloroethane	20.0	20.43		ug/L		102	70 - 122
cis-1,2-Dichloroethene	20.0	20.61		ug/L		103	72 - 123
cis-1,3-Dichloropropene	20.0	18.31		ug/L		92	72 - 123
Dibromomethane	20.0	20.89		ug/L		104	72 - 122
Ethylbenzene	20.0	18.80		ug/L		94	75 - 120
1,1,1-Trichloroethane	20.0	21.50		ug/L		107	69 - 130
Iodomethane	20.0	18.90		ug/L		95	18 - 150
1,1,2-Trichloroethane	20.0	20.83		ug/L		104	75 - 121
1,2,3-Trichloropropane	20.0	19.39		ug/L		97	70 - 122
Methylene chloride	20.0	23.25		ug/L		116	72 - 128
Styrene	20.0	19.36		ug/L		97	74 - 122
Tetrachloroethene	20.0	20.04		ug/L		100	70 - 128
Toluene	20.0	19.26		ug/L		96	74 - 120
trans-1,2-Dichloroethene	20.0	21.44		ug/L		107	67 - 127
trans-1,3-Dichloropropene	20.0	16.37		ug/L		82	67 - 123
trans-1,4-Dichloro-2-butene	20.0	16.47		ug/L		82	50 - 150
Trichloroethene	20.0	19.03		ug/L		95	70 - 128
Vinyl acetate	40.0	37.58		ug/L		94	50 - 150
Xylenes, Total	40.0	38.62		ug/L		97	74 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	103		76 - 130
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120

Lab Sample ID: LCS 310-475713/7

Matrix: Water

Analysis Batch: 475713

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	19.45		ug/L		97	33 - 138
Chloroethane	20.0	21.43		ug/L		107	59 - 139
Chloromethane	20.0	21.65		ug/L		108	52 - 146
Trichlorofluoromethane	20.0	21.32		ug/L		107	55 - 150
Vinyl chloride	20.0	22.00		ug/L		110	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	105		76 - 130
Toluene-d8 (Surr)	90		80 - 120

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: LCS 310-475713/7

Matrix: Water

Analysis Batch: 475713

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		80 - 120

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

Lab Sample ID: MB 310-475159/1-A

Matrix: Water

Analysis Batch: 475460

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475159

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		12/01/25 12:54	12/04/25 02:54	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		12/01/25 12:54	12/04/25 02:54	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		12/01/25 12:54	12/04/25 02:54	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		12/01/25 12:54	12/04/25 02:54	1
1,4-Phenylenediamine	<10.0		10.0	1.90	ug/L		12/01/25 12:54	12/04/25 02:54	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		12/01/25 12:54	12/04/25 02:54	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		12/01/25 12:54	12/04/25 02:54	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		12/01/25 12:54	12/04/25 02:54	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		12/01/25 12:54	12/04/25 02:54	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		12/01/25 12:54	12/04/25 02:54	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		12/01/25 12:54	12/04/25 02:54	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		12/01/25 12:54	12/04/25 02:54	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		12/01/25 12:54	12/04/25 02:54	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		12/01/25 12:54	12/04/25 02:54	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		12/01/25 12:54	12/04/25 02:54	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		12/01/25 12:54	12/04/25 02:54	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		12/01/25 12:54	12/04/25 02:54	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		12/01/25 12:54	12/04/25 02:54	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		12/01/25 12:54	12/04/25 02:54	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		12/01/25 12:54	12/04/25 02:54	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		12/01/25 12:54	12/04/25 02:54	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		12/01/25 12:54	12/04/25 02:54	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		12/01/25 12:54	12/04/25 02:54	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		12/01/25 12:54	12/04/25 02:54	1
3,3'-Dimethylbenzidine	<10.0		10.0	1.50	ug/L		12/01/25 12:54	12/04/25 02:54	1
3-Methylcholanthrene	<10.0	*3	10.0	0.320	ug/L		12/01/25 12:54	12/04/25 02:54	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		12/01/25 12:54	12/04/25 02:54	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		12/01/25 12:54	12/04/25 02:54	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		12/01/25 12:54	12/04/25 02:54	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		12/01/25 12:54	12/04/25 02:54	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		12/01/25 12:54	12/04/25 02:54	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		12/01/25 12:54	12/04/25 02:54	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		12/01/25 12:54	12/04/25 02:54	1
4-Methylphenol (and/or 3-Methylphenol)	<10.0		10.0	0.700	ug/L		12/01/25 12:54	12/04/25 02:54	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		12/01/25 12:54	12/04/25 02:54	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		12/01/25 12:54	12/04/25 02:54	1
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		12/01/25 12:54	12/04/25 02:54	1
7,12-Dimethylbenz(a)anthracene	<10.0	*3	10.0	1.90	ug/L		12/01/25 12:54	12/04/25 02:54	1
Acenaphthene	<10.0		10.0	0.640	ug/L		12/01/25 12:54	12/04/25 02:54	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers

Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1

SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: MB 310-475159/1-A

Matrix: Water

Analysis Batch: 475460

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<10.0		10.0	0.720	ug/L		12/01/25 12:54	12/04/25 02:54	1
Acetophenone	<10.0		10.0	0.690	ug/L		12/01/25 12:54	12/04/25 02:54	1
Anthracene	<10.0		10.0	0.870	ug/L		12/01/25 12:54	12/04/25 02:54	1
Benzo(a)anthracene	<10.0		10.0	0.850	ug/L		12/01/25 12:54	12/04/25 02:54	1
Benzo(a)pyrene	<10.0	*3	10.0	8.10	ug/L		12/01/25 12:54	12/04/25 02:54	1
Benzo(b)fluoranthene	<10.0	*3	10.0	4.90	ug/L		12/01/25 12:54	12/04/25 02:54	1
Benzo(g,h,i)perylene	<10.0	*3	10.0	6.30	ug/L		12/01/25 12:54	12/04/25 02:54	1
Benzo(k)fluoranthene	<10.0	*3	10.0	2.20	ug/L		12/01/25 12:54	12/04/25 02:54	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		12/01/25 12:54	12/04/25 02:54	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		12/01/25 12:54	12/04/25 02:54	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		12/01/25 12:54	12/04/25 02:54	1
bis(2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		12/01/25 12:54	12/04/25 02:54	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		12/01/25 12:54	12/04/25 02:54	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		12/01/25 12:54	12/04/25 02:54	1
Chlorobenzilate	<10.0		10.0	3.60	ug/L		12/01/25 12:54	12/04/25 02:54	1
Chrysene	<10.0		10.0	0.870	ug/L		12/01/25 12:54	12/04/25 02:54	1
Diallylate	<10.0		10.0	4.00	ug/L		12/01/25 12:54	12/04/25 02:54	1
Dibenz(a,h)anthracene	<10.0	*3	10.0	3.90	ug/L		12/01/25 12:54	12/04/25 02:54	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		12/01/25 12:54	12/04/25 02:54	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		12/01/25 12:54	12/04/25 02:54	1
Dimethoate	<10.0		10.0	3.60	ug/L		12/01/25 12:54	12/04/25 02:54	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		12/01/25 12:54	12/04/25 02:54	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		12/01/25 12:54	12/04/25 02:54	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		12/01/25 12:54	12/04/25 02:54	1
Dinoseb	<10.0		10.0	2.40	ug/L		12/01/25 12:54	12/04/25 02:54	1
Diphenylamine	<10.0		10.0	6.00	ug/L		12/01/25 12:54	12/04/25 02:54	1
Disulfoton	<10.0		10.0	2.40	ug/L		12/01/25 12:54	12/04/25 02:54	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		12/01/25 12:54	12/04/25 02:54	1
Ethyl parathion	<10.0		10.0	2.20	ug/L		12/01/25 12:54	12/04/25 02:54	1
Famphur	<10.0		10.0	3.80	ug/L		12/01/25 12:54	12/04/25 02:54	1
Fluoranthene	<10.0		10.0	1.70	ug/L		12/01/25 12:54	12/04/25 02:54	1
Fluorene	<10.0		10.0	0.790	ug/L		12/01/25 12:54	12/04/25 02:54	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		12/01/25 12:54	12/04/25 02:54	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		12/01/25 12:54	12/04/25 02:54	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		12/01/25 12:54	12/04/25 02:54	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		12/01/25 12:54	12/04/25 02:54	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		12/01/25 12:54	12/04/25 02:54	1
Indeno(1,2,3-cd)pyrene	<10.0	*3	10.0	4.20	ug/L		12/01/25 12:54	12/04/25 02:54	1
Isodrin	<10.0		10.0	4.70	ug/L		12/01/25 12:54	12/04/25 02:54	1
Isophorone	<10.0		10.0	0.930	ug/L		12/01/25 12:54	12/04/25 02:54	1
Isosafrole	<10.0		10.0	2.30	ug/L		12/01/25 12:54	12/04/25 02:54	1
Kepone	<10.0		10.0	1.00	ug/L		12/01/25 12:54	12/04/25 02:54	1
Methapyrilene	<10.0		10.0	0.760	ug/L		12/01/25 12:54	12/04/25 02:54	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		12/01/25 12:54	12/04/25 02:54	1
Methyl parathion	<10.0		10.0	2.30	ug/L		12/01/25 12:54	12/04/25 02:54	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		12/01/25 12:54	12/04/25 02:54	1
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		12/01/25 12:54	12/04/25 02:54	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		12/01/25 12:54	12/04/25 02:54	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		12/01/25 12:54	12/04/25 02:54	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: MB 310-475159/1-A

Matrix: Water

Analysis Batch: 475460

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		12/01/25 12:54	12/04/25 02:54	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		12/01/25 12:54	12/04/25 02:54	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		12/01/25 12:54	12/04/25 02:54	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		12/01/25 12:54	12/04/25 02:54	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		12/01/25 12:54	12/04/25 02:54	1
o,o',o"-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		12/01/25 12:54	12/04/25 02:54	1
o-Toluidine	<10.0		10.0	2.90	ug/L		12/01/25 12:54	12/04/25 02:54	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		12/01/25 12:54	12/04/25 02:54	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		12/01/25 12:54	12/04/25 02:54	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		12/01/25 12:54	12/04/25 02:54	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		12/01/25 12:54	12/04/25 02:54	1
Phenacetin	<10.0		10.0	1.90	ug/L		12/01/25 12:54	12/04/25 02:54	1
Phenanthrene	<10.0		10.0	0.790	ug/L		12/01/25 12:54	12/04/25 02:54	1
Phenol	<10.0		10.0	1.10	ug/L		12/01/25 12:54	12/04/25 02:54	1
Phorate	<10.0		10.0	3.20	ug/L		12/01/25 12:54	12/04/25 02:54	1
Pronamide	<10.0		10.0	2.70	ug/L		12/01/25 12:54	12/04/25 02:54	1
Pyrene	<10.0		10.0	0.790	ug/L		12/01/25 12:54	12/04/25 02:54	1
Safrole	<10.0		10.0	2.80	ug/L		12/01/25 12:54	12/04/25 02:54	1
Thionazin	<10.0		10.0	3.50	ug/L		12/01/25 12:54	12/04/25 02:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	60		21 - 110	12/01/25 12:54	12/04/25 02:54	1
Phenol-d5 (Surr)	50		21 - 110	12/01/25 12:54	12/04/25 02:54	1
Nitrobenzene-d5 (Surr)	75		39 - 140	12/01/25 12:54	12/04/25 02:54	1
2-Fluorobiphenyl (Surr)	79		33 - 126	12/01/25 12:54	12/04/25 02:54	1
2,4,6-Tribromophenol (Surr)	86		20 - 144	12/01/25 12:54	12/04/25 02:54	1
Terphenyl-d14 (Surr)	131		13 - 150	12/01/25 12:54	12/04/25 02:54	1

Lab Sample ID: LCS 310-475159/2-A

Matrix: Water

Analysis Batch: 475460

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4,5-Tetrachlorobenzene	100	77.40		ug/L		77	35 - 110
1,3,5-Trinitrobenzene	51.2	42.28		ug/L		83	26 - 150
1,3-Dinitrobenzene	100	80.69		ug/L		81	36 - 147
1,4-Naphthoquinone	51.2	30.73		ug/L		60	38 - 137
1,4-Phenylenediamine	51.2	<10.0	*-	ug/L		0	20 - 120
1-Naphthylamine	51.2	12.92		ug/L		25	10 - 110
2,3,4,6-Tetrachlorophenol	100	81.69		ug/L		82	32 - 142
2,4,5-Trichlorophenol	100	81.99		ug/L		82	39 - 136
2,4,6-Trichlorophenol	100	89.99		ug/L		90	35 - 141
2,4-Dichlorophenol	100	86.91		ug/L		87	44 - 131
2,4-Dimethylphenol	100	80.55		ug/L		81	30 - 128
2,4-Dinitrophenol	200	167.7		ug/L		84	10 - 150
2,4-Dinitrotoluene	100	74.43		ug/L		74	48 - 136
2,6-Dichlorophenol	100	89.66		ug/L		90	41 - 131
2,6-Dinitrotoluene	100	77.23		ug/L		77	49 - 135

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: LCS 310-475159/2-A

Matrix: Water

Analysis Batch: 475460

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Acetylaminofluorene	51.2	24.31		ug/L		47	37 - 149
2-Chloronaphthalene	100	74.43		ug/L		74	33 - 112
2-Chlorophenol	100	72.83		ug/L		73	43 - 119
2-Methylnaphthalene	100	71.83		ug/L		72	35 - 110
2-Methylphenol	100	73.31		ug/L		73	47 - 114
2-Naphthylamine	51.2	25.23		ug/L		49	18 - 111
2-Nitroaniline	100	73.32		ug/L		73	48 - 135
2-Nitrophenol	100	91.11		ug/L		91	36 - 144
3,3'-Dimethylbenzidine	51.2	9.343	J	ug/L		18	10 - 147
3-Nitroaniline	100	70.16		ug/L		70	38 - 142
4,6-Dinitro-2-methylphenol	200	202.8		ug/L		101	22 - 150
4-Aminobiphenyl	51.2	28.29		ug/L		55	23 - 123
4-Bromophenyl phenyl ether	100	94.65		ug/L		95	41 - 131
4-Chloro-3-methylphenol	100	77.65		ug/L		78	51 - 132
4-Chloroaniline	100	69.60		ug/L		70	13 - 143
4-Chlorophenyl phenyl ether	100	80.98		ug/L		81	44 - 118
4-Methylphenol (and/or 3-Methylphenol)	100	73.10		ug/L		73	45 - 114
4-Nitroaniline	100	75.28		ug/L		75	33 - 141
4-Nitrophenol	200	91.79		ug/L		46	22 - 110
5-Nitro-o-toluidine	51.2	41.73		ug/L		82	43 - 139
Acenaphthene	100	78.99		ug/L		79	38 - 118
Acenaphthylene	100	76.24		ug/L		76	39 - 115
Acetophenone	100	72.20		ug/L		72	47 - 118
Anthracene	100	87.99		ug/L		88	49 - 127
Benzo(a)anthracene	100	78.70		ug/L		79	49 - 126
Benzyl alcohol	100	67.45		ug/L		67	46 - 123
Bis(2-chloroethoxy)methane	100	79.86		ug/L		80	44 - 126
Bis(2-chloroethyl)ether	100	67.63		ug/L		68	41 - 116
bis(2-chloroisopropyl) ether	100	62.76		ug/L		63	36 - 115
Bis(2-ethylhexyl) phthalate	100	62.59		ug/L		63	46 - 138
Butyl benzyl phthalate	100	81.02		ug/L		81	47 - 133
Chlorobenzilate	51.2	41.12		ug/L		80	39 - 145
Chrysene	100	85.51		ug/L		86	50 - 128
Diallate	44.8	44.22		ug/L		99	40 - 135
Dibenzofuran	100	79.15		ug/L		79	44 - 114
Diethyl phthalate	100	81.48		ug/L		81	43 - 135
Dimethoate	44.8	34.68		ug/L		77	31 - 150
Dimethyl phthalate	100	79.88		ug/L		80	46 - 129
Di-n-butyl phthalate	100	83.94		ug/L		84	49 - 138
Di-n-octyl phthalate	100	55.06		ug/L		55	33 - 148
Dinoseb	51.2	59.33		ug/L		116	22 - 150
Diphenylamine	85.0	67.38		ug/L		79	43 - 132
Disulfoton	44.8	34.08		ug/L		76	27 - 138
Ethyl methanesulfonate	51.2	30.90		ug/L		60	44 - 110
Ethyl parathion	44.8	33.09		ug/L		74	52 - 141
Famphur	44.8	46.05		ug/L		103	67 - 150
Fluoranthene	100	77.49		ug/L		77	49 - 132
Fluorene	100	81.23		ug/L		81	46 - 118

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: LCS 310-475159/2-A

Matrix: Water

Analysis Batch: 475460

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	100	92.64		ug/L		93	42 - 134
Hexachlorobutadiene	100	67.81		ug/L		68	29 - 110
Hexachlorocyclopentadiene	100	58.05		ug/L		58	10 - 110
Hexachloroethane	100	55.50		ug/L		56	25 - 110
Hexachloropropene	51.2	10.42		ug/L		20	10 - 110
Isodrin	51.2	41.77		ug/L		82	50 - 122
Isophorone	100	78.20		ug/L		78	46 - 126
Isosafrole	51.2	41.17		ug/L		80	10 - 129
Kepone	44.8	48.91		ug/L		109	10 - 150
Methapyrilene	44.8	<10.0	*	ug/L		1	10 - 110
Methyl methanesulfonate	51.2	20.77		ug/L		41	16 - 110
Methyl parathion	44.8	36.74		ug/L		82	49 - 150
Nitrobenzene	100	80.06		ug/L		80	42 - 123
N-Nitrosodiethylamine	51.2	34.95		ug/L		68	51 - 116
N-Nitrosodimethylamine	100	61.23		ug/L		61	37 - 110
N-Nitrosodi-n-butylamine	51.2	38.80		ug/L		76	49 - 135
N-Nitrosodi-n-propylamine	100	73.79		ug/L		74	44 - 124
N-Nitrosodiphenylamine	100	80.37		ug/L		80	43 - 132
N-Nitrosomethylethylamine	51.2	32.33		ug/L		63	43 - 114
N-Nitrosopiperidine	51.2	38.96		ug/L		76	50 - 120
N-Nitrosopyrrolidine	51.2	38.96		ug/L		76	47 - 129
o,o',o"-Triethylphosphorothioate	44.8	35.19		ug/L		79	34 - 125
o-Toluidine	51.2	27.73		ug/L		54	19 - 128
p-Dimethylamino azobenzene	51.2	32.15		ug/L		63	45 - 133
Pentachlorobenzene	51.2	41.67		ug/L		81	27 - 112
Pentachloronitrobenzene	51.2	52.58		ug/L		103	45 - 132
Pentachlorophenol	200	179.3		ug/L		90	28 - 142
Phenacetin	51.2	32.79		ug/L		64	51 - 139
Phenanthrene	100	83.23		ug/L		83	48 - 126
Phenol	100	50.34		ug/L		50	29 - 110
Phorate	44.8	39.57		ug/L		88	21 - 147
Pronamide	51.2	48.78		ug/L		95	52 - 135
Pyrene	100	97.48		ug/L		97	45 - 134
Safrole	44.8	32.89		ug/L		73	26 - 117
Thionazin	44.8	31.86		ug/L		71	48 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	64		21 - 110
Phenol-d5 (Surr)	53		21 - 110
Nitrobenzene-d5 (Surr)	82		39 - 140
2-Fluorobiphenyl (Surr)	84		33 - 126
2,4,6-Tribromophenol (Surr)	118		20 - 144
Terphenyl-d14 (Surr)	110		13 - 150

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: LCS 310-475159/2-A

Matrix: Water

Analysis Batch: 475511

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Methylcholanthrene	51.2	33.63		ug/L		66	13 - 140
7,12-Dimethylbenz(a)anthracene	51.2	32.45		ug/L		63	47 - 129
Benzo(a)pyrene	100	68.06		ug/L		68	44 - 133
Benzo(b)fluoranthene	100	68.20		ug/L		68	44 - 136
Benzo(g,h,i)perylene	100	80.65		ug/L		81	42 - 135
Benzo(k)fluoranthene	100	98.58		ug/L		99	49 - 134
Dibenz(a,h)anthracene	100	75.85		ug/L		76	36 - 146
Indeno(1,2,3-cd)pyrene	100	73.98		ug/L		74	36 - 149

Lab Sample ID: LCSD 310-475159/3-A

Matrix: Water

Analysis Batch: 475460

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 475159

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene	100	80.21		ug/L		80	35 - 110	4	35
1,3,5-Trinitrobenzene	51.2	45.07		ug/L		88	26 - 150	6	29
1,3-Dinitrobenzene	100	86.23		ug/L		86	36 - 147	7	35
1,4-Naphthoquinone	51.2	36.55		ug/L		71	38 - 137	17	27
1,4-Phenylenediamine	51.2	<10.0	*- *1	ug/L		0.08	20 - 120	200	35
1-Naphthylamine	51.2	14.78		ug/L		29	10 - 110	13	35
2,3,4,6-Tetrachlorophenol	100	84.78		ug/L		85	32 - 142	4	35
2,4,5-Trichlorophenol	100	89.31		ug/L		89	39 - 136	9	35
2,4,6-Trichlorophenol	100	97.89		ug/L		98	35 - 141	8	35
2,4-Dichlorophenol	100	91.07		ug/L		91	44 - 131	5	35
2,4-Dimethylphenol	100	88.48		ug/L		88	30 - 128	9	35
2,4-Dinitrophenol	200	180.6		ug/L		90	10 - 150	7	35
2,4-Dinitrotoluene	100	76.50		ug/L		77	48 - 136	3	35
2,6-Dichlorophenol	100	92.64		ug/L		93	41 - 131	3	35
2,6-Dinitrotoluene	100	84.16		ug/L		84	49 - 135	9	35
2-Chloronaphthalene	100	74.06		ug/L		74	33 - 112	0	35
2-Chlorophenol	100	79.33		ug/L		79	43 - 119	9	35
2-Methylnaphthalene	100	73.12		ug/L		73	35 - 110	2	35
2-Methylphenol	100	77.58		ug/L		78	47 - 114	6	35
2-Naphthylamine	51.2	27.84		ug/L		54	18 - 111	10	35
2-Nitroaniline	100	74.98		ug/L		75	48 - 135	2	35
2-Nitrophenol	100	98.81		ug/L		99	36 - 144	8	35
3-Nitroaniline	100	70.47		ug/L		70	38 - 142	0	35
4,6-Dinitro-2-methylphenol	200	215.9		ug/L		108	22 - 150	6	35
4-Aminobiphenyl	51.2	33.29		ug/L		65	23 - 123	16	35
4-Bromophenyl phenyl ether	100	101.0		ug/L		101	41 - 131	6	35
4-Chloro-3-methylphenol	100	82.82		ug/L		83	51 - 132	6	35
4-Chloroaniline	100	76.98		ug/L		77	13 - 143	10	35
4-Chlorophenyl phenyl ether	100	83.19		ug/L		83	44 - 118	3	35
4-Methylphenol (and/or 3-Methylphenol)	100	72.70		ug/L		73	45 - 114	1	35
4-Nitroaniline	100	75.76		ug/L		76	33 - 141	1	35
4-Nitrophenol	200	88.81		ug/L		44	22 - 110	3	35
5-Nitro-o-toluidine	51.2	42.54		ug/L		83	43 - 139	2	32
Acenaphthene	100	82.37		ug/L		82	38 - 118	4	35

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QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: LCSD 310-475159/3-A

Matrix: Water

Analysis Batch: 475460

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 475159

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthylene	100	78.52		ug/L		79	39 - 115	3	35
Acetophenone	100	76.82		ug/L		77	47 - 118	6	35
Anthracene	100	91.77		ug/L		92	49 - 127	4	35
Benzyl alcohol	100	72.33		ug/L		72	46 - 123	7	35
Bis(2-chloroethoxy)methane	100	85.12		ug/L		85	44 - 126	6	35
Bis(2-chloroethyl)ether	100	72.34		ug/L		72	41 - 116	7	35
bis(2-chloroisopropyl) ether	100	67.50		ug/L		68	36 - 115	7	35
Diallate	44.8	50.16		ug/L		112	40 - 135	13	29
Dibenzofuran	100	79.99		ug/L		80	44 - 114	1	35
Diethyl phthalate	100	80.98		ug/L		81	43 - 135	1	35
Dimethoate	44.8	37.41		ug/L		84	31 - 150	8	35
Dimethyl phthalate	100	82.51		ug/L		83	46 - 129	3	35
Di-n-butyl phthalate	100	85.76		ug/L		86	49 - 138	2	35
Dinoseb	51.2	62.15		ug/L		121	22 - 150	5	35
Diphenylamine	85.0	68.61		ug/L		81	43 - 132	2	35
Disulfoton	44.8	34.97		ug/L		78	27 - 138	3	32
Ethyl methanesulfonate	51.2	35.49		ug/L		69	44 - 110	14	30
Ethyl parathion	44.8	38.89		ug/L		87	52 - 141	16	30
Fluoranthene	100	80.64		ug/L		81	49 - 132	4	35
Fluorene	100	82.52		ug/L		83	46 - 118	2	35
Hexachlorobenzene	100	98.06		ug/L		98	42 - 134	6	35
Hexachlorobutadiene	100	70.83		ug/L		71	29 - 110	4	35
Hexachlorocyclopentadiene	100	60.22		ug/L		60	10 - 110	4	35
Hexachloroethane	100	58.29		ug/L		58	25 - 110	5	35
Hexachloropropene	51.2	11.56		ug/L		23	10 - 110	10	35
Isodrin	51.2	47.51		ug/L		93	50 - 122	13	28
Isophorone	100	84.02		ug/L		84	46 - 126	7	35
Isosafrole	51.2	42.01		ug/L		82	10 - 129	2	35
Methapyrilene	44.8	1.238	J *- *1	ug/L		3	10 - 110	65	35
Methyl methanesulfonate	51.2	23.43		ug/L		46	16 - 110	12	28
Methyl parathion	44.8	40.32		ug/L		90	49 - 150	9	29
Nitrobenzene	100	84.39		ug/L		84	42 - 123	5	35
N-Nitrosodiethylamine	51.2	40.77		ug/L		80	51 - 116	15	27
N-Nitrosodimethylamine	100	66.68		ug/L		67	37 - 110	9	35
N-Nitrosodi-n-butylamine	51.2	43.19		ug/L		84	49 - 135	11	28
N-Nitrosodi-n-propylamine	100	78.85		ug/L		79	44 - 124	7	35
N-Nitrosodiphenylamine	100	82.73		ug/L		83	43 - 132	3	35
N-Nitrosomethylethylamine	51.2	38.67		ug/L		76	43 - 114	18	29
N-Nitrosopiperidine	51.2	42.05		ug/L		82	50 - 120	8	26
N-Nitrosopyrrolidine	51.2	42.72		ug/L		83	47 - 129	9	31
o,o',o''-Triethylphosphorothioate	44.8	39.21		ug/L		88	34 - 125	11	33
o-Toluidine	51.2	33.89		ug/L		66	19 - 128	20	35
Pentachlorobenzene	51.2	44.13		ug/L		86	27 - 112	6	35
Pentachloronitrobenzene	51.2	56.51		ug/L		110	45 - 132	7	29
Pentachlorophenol	200	186.6		ug/L		93	28 - 142	4	35
Phenacetin	51.2	37.39		ug/L		73	51 - 139	13	29
Phenanthrene	100	88.36		ug/L		88	48 - 126	6	35
Phenol	100	50.54		ug/L		51	29 - 110	0	35
Phorate	44.8	42.59		ug/L		95	21 - 147	7	35

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QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: LCSD 310-475159/3-A

Matrix: Water

Analysis Batch: 475460

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 475159

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Pronamide	51.2	50.81		ug/L		99	52 - 135		4	28
Safrole	44.8	33.54		ug/L		75	26 - 117		2	35
Thionazin	44.8	36.10		ug/L		81	48 - 135		12	30

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2-Fluorophenol (Surr)	60		21 - 110
Phenol-d5 (Surr)	50		21 - 110
Nitrobenzene-d5 (Surr)	82		39 - 140
2-Fluorobiphenyl (Surr)	79		33 - 126
2,4,6-Tribromophenol (Surr)	112		20 - 144

Lab Sample ID: LCSD 310-475159/3-A

Matrix: Water

Analysis Batch: 475511

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 475159

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
3-Methylcholanthrene	51.2	39.62		ug/L		77	13 - 140		16	35
7,12-Dimethylbenz(a)anthracene	51.2	36.93		ug/L		72	47 - 129		13	29
Benzo(a)pyrene	100	68.72		ug/L		69	44 - 133		1	35
Benzo(b)fluoranthene	100	69.42		ug/L		69	44 - 136		2	35
Benzo(g,h,i)perylene	100	74.38		ug/L		74	42 - 135		8	35
Benzo(k)fluoranthene	100	90.51		ug/L		91	49 - 134		9	35
Dibenz(a,h)anthracene	100	84.04		ug/L		84	36 - 146		10	35
Indeno(1,2,3-cd)pyrene	100	71.62		ug/L		72	36 - 149		3	35

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

Lab Sample ID: MB 310-475337/4

Matrix: Water

Analysis Batch: 475337

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetonitrile	<10.0		10.0	2.60	mg/L			12/03/25 09:58	1
Isobutanol	<10.0		10.0	2.40	mg/L			12/03/25 09:58	1

Lab Sample ID: LCS 310-475337/9

Matrix: Water

Analysis Batch: 475337

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Acetonitrile	89.7	94.42		mg/L		105	67 - 131			
Isobutanol	98.9	102.9		mg/L		104	80 - 120			

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QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 310-475321/1-A

Matrix: Water

Analysis Batch: 476272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475321

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0978		0.0978	0.0244	ug/L		12/02/25 14:04	12/12/25 12:26	1
4,4'-DDE	<0.0978		0.0978	0.0293	ug/L		12/02/25 14:04	12/12/25 12:26	1
4,4'-DDT	<0.0978		0.0978	0.0196	ug/L		12/02/25 14:04	12/12/25 12:26	1
Aldrin	<0.0978		0.0978	0.0215	ug/L		12/02/25 14:04	12/12/25 12:26	1
alpha-BHC	<0.0978		0.0978	0.00978	ug/L		12/02/25 14:04	12/12/25 12:26	1
beta-BHC	<0.0978		0.0978	0.0411	ug/L		12/02/25 14:04	12/12/25 12:26	1
Chlordane (technical)	<1.96		1.96	0.381	ug/L		12/02/25 14:04	12/12/25 12:26	1
delta-BHC	<0.0978		0.0978	0.0313	ug/L		12/02/25 14:04	12/12/25 12:26	1
Dieldrin	<0.0978		0.0978	0.0205	ug/L		12/02/25 14:04	12/12/25 12:26	1
Endosulfan I	<0.0978		0.0978	0.0274	ug/L		12/02/25 14:04	12/12/25 12:26	1
Endosulfan II	<0.0978		0.0978	0.0254	ug/L		12/02/25 14:04	12/12/25 12:26	1
Endosulfan sulfate	<0.0978		0.0978	0.0176	ug/L		12/02/25 14:04	12/12/25 12:26	1
Endrin	<0.0978		0.0978	0.0274	ug/L		12/02/25 14:04	12/12/25 12:26	1
Endrin aldehyde	<0.0978		0.0978	0.0264	ug/L		12/02/25 14:04	12/12/25 12:26	1
gamma-BHC (Lindane)	<0.0978		0.0978	0.00978	ug/L		12/02/25 14:04	12/12/25 12:26	1
Heptachlor	<0.0978		0.0978	0.0225	ug/L		12/02/25 14:04	12/12/25 12:26	1
Heptachlor epoxide	<0.0978		0.0978	0.0313	ug/L		12/02/25 14:04	12/12/25 12:26	1
Methoxychlor	<0.0978		0.0978	0.0313	ug/L		12/02/25 14:04	12/12/25 12:26	1
Toxaphene	<1.96		1.96	0.978	ug/L		12/02/25 14:04	12/12/25 12:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	35		10 - 150	12/02/25 14:04	12/12/25 12:26	1
Tetrachloro-m-xylene	67		17 - 150	12/02/25 14:04	12/12/25 12:26	1

Lab Sample ID: LCS 310-475321/2-A

Matrix: Water

Analysis Batch: 476272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475321

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	2.78	1.996		ug/L		72	28 - 150
4,4'-DDE	2.78	1.914		ug/L		69	10 - 150
4,4'-DDT	2.78	1.267		ug/L		46	10 - 150
Aldrin	2.78	1.905		ug/L		69	10 - 146
alpha-BHC	2.78	1.949		ug/L		70	57 - 149
beta-BHC	2.78	1.811		ug/L		65	53 - 145
delta-BHC	2.78	1.869		ug/L		67	49 - 148
Dieldrin	2.78	1.941		ug/L		70	43 - 150
Endosulfan I	2.78	1.514		ug/L		54	26 - 133
Endosulfan II	2.78	1.554		ug/L		56	38 - 139
Endosulfan sulfate	2.78	1.810		ug/L		65	54 - 150
Endrin	2.78	1.742		ug/L		63	41 - 150
Endrin aldehyde	2.78	1.670		ug/L		60	42 - 147
gamma-BHC (Lindane)	2.78	1.951		ug/L		70	57 - 150
Heptachlor	2.78	1.731		ug/L		62	16 - 135
Heptachlor epoxide	2.78	1.941		ug/L		70	49 - 150
Methoxychlor	2.78	1.440		ug/L		52	16 - 150

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QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: LCS 310-475321/2-A

Matrix: Water

Analysis Batch: 476272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475321

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	34		10 - 150
Tetrachloro-m-xylene	67		17 - 150

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

Lab Sample ID: MB 310-475321/1-A

Matrix: Water

Analysis Batch: 475967

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475321

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
PCB-1016	<1.96		1.96	0.802	ug/L		12/02/25 14:04	12/10/25 06:22	1	
PCB-1221	<1.96		1.96	0.802	ug/L		12/02/25 14:04	12/10/25 06:22	1	
PCB-1232	<1.96		1.96	0.802	ug/L		12/02/25 14:04	12/10/25 06:22	1	
PCB-1242	<1.96		1.96	0.802	ug/L		12/02/25 14:04	12/10/25 06:22	1	
PCB-1248	<1.96		1.96	0.675	ug/L		12/02/25 14:04	12/10/25 06:22	1	
PCB-1254	<1.96		1.96	0.675	ug/L		12/02/25 14:04	12/10/25 06:22	1	
PCB-1260	<1.96		1.96	0.675	ug/L		12/02/25 14:04	12/10/25 06:22	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
DCB Decachlorobiphenyl (Surr)	44		10 - 150	12/02/25 14:04	12/10/25 06:22	1				
Tetrachloro-m-xylene	79		17 - 150	12/02/25 14:04	12/10/25 06:22	1				

Lab Sample ID: LCS 310-475321/18-A

Matrix: Water

Analysis Batch: 475967

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475321

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits		
PCB-1016	27.7	19.88		ug/L		72	25 - 150			
PCB-1260	27.7	19.29		ug/L		70	14 - 150			

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	19		10 - 150
Tetrachloro-m-xylene	49		17 - 150

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-739154/1-A

Matrix: Water

Analysis Batch: 739457

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 739154

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
2,4,5-T	<0.150		0.150	0.0650	ug/L		12/04/25 14:50	12/05/25 06:00	1	
Silvex (2,4,5-TP)	<0.0500		0.0500	0.0220	ug/L		12/04/25 14:50	12/05/25 06:00	1	
2,4-D	<0.600		0.600	0.250	ug/L		12/04/25 14:50	12/05/25 06:00	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
2,4-Dichlorophenylacetic acid (Surr)	97		34 - 142	12/04/25 14:50	12/05/25 06:00	1				
2,4-Dichlorophenylacetic acid (Surr)	84		34 - 142	12/04/25 14:50	12/05/25 06:00	1				

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QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Method: 8151A - Herbicides (GC)

Lab Sample ID: LCS 410-739154/2-A

Matrix: Water

Analysis Batch: 739457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 739154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-T	0.400	0.3691		ug/L		92	57 - 171
2,4-D	2.00	1.785		ug/L		89	53 - 159

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr)	97		34 - 142
2,4-Dichlorophenylacetic acid (Surr)	88		34 - 142

Method: 8151A - Herbicides (GC) - DL

Lab Sample ID: LCS 410-739154/2-A

Matrix: Water

Analysis Batch: 739457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 739154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silvex (2,4,5-TP) - DL	4.01	3.397		ug/L		85	62 - 170

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) - DL	103		34 - 142
2,4-Dichlorophenylacetic acid (Surr) - DL	95		34 - 142

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-475186/1-A

Matrix: Water

Analysis Batch: 476354

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475186

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		12/02/25 09:00	12/12/25 13:50	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		12/02/25 09:00	12/12/25 13:50	1
Barium	<0.00200		0.00200	0.000660	mg/L		12/02/25 09:00	12/12/25 13:50	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/02/25 09:00	12/12/25 13:50	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/02/25 09:00	12/12/25 13:50	1
Chromium	<0.00500		0.00500	0.00180	mg/L		12/02/25 09:00	12/12/25 13:50	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		12/02/25 09:00	12/12/25 13:50	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/02/25 09:00	12/12/25 13:50	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/02/25 09:00	12/12/25 13:50	1
Nickel	<0.00500		0.00500	0.00230	mg/L		12/02/25 09:00	12/12/25 13:50	1
Selenium	<0.00500		0.00500	0.00140	mg/L		12/02/25 09:00	12/12/25 13:50	1
Silver	<0.00100		0.00100	0.000500	mg/L		12/02/25 09:00	12/12/25 13:50	1
Thallium	<0.00100		0.00100	0.000570	mg/L		12/02/25 09:00	12/12/25 13:50	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/02/25 09:00	12/12/25 13:50	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/02/25 09:00	12/12/25 13:50	1
Tin	<5.00		5.00	2.50	ug/L		12/02/25 09:00	12/12/25 13:50	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: LCS 310-475186/2-A
Matrix: Water
Analysis Batch: 476354

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 475186

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2164		mg/L		108	80 - 120
Arsenic	0.200	0.2007		mg/L		100	80 - 120
Barium	0.100	0.09594		mg/L		96	80 - 120
Beryllium	0.100	0.09823		mg/L		98	80 - 120
Cadmium	0.100	0.09782		mg/L		98	80 - 120
Chromium	0.100	0.1022		mg/L		102	80 - 120
Cobalt	0.100	0.1060		mg/L		106	80 - 120
Copper	0.200	0.2052		mg/L		103	80 - 120
Lead	0.200	0.2032		mg/L		102	80 - 120
Nickel	0.200	0.2028		mg/L		101	80 - 120
Selenium	0.400	0.3864		mg/L		97	80 - 120
Silver	0.100	0.1109		mg/L		111	80 - 120
Thallium	0.100	0.1085		mg/L		109	80 - 120
Vanadium	0.100	0.09889		mg/L		99	80 - 120
Zinc	0.200	0.1947		mg/L		97	80 - 120
Tin	200	209.9		ug/L		105	80 - 120

Lab Sample ID: 310-321513-7 DU
Matrix: Water
Analysis Batch: 476354

Client Sample ID: MW-9R
Prep Type: Total/NA
Prep Batch: 475186

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Antimony	<0.00200		<0.00200		mg/L		NC	20
Arsenic	0.00137	J	0.001352	J	mg/L		1	20
Barium	0.0660		0.06564		mg/L		0.6	20
Beryllium	<0.00100		<0.00100		mg/L		NC	20
Cadmium	<0.000200		<0.000200		mg/L		NC	20
Chromium	<0.00500		<0.00500		mg/L		NC	20
Cobalt	<0.000500		<0.000500		mg/L		NC	20
Copper	<0.00500		<0.00500		mg/L		NC	20
Lead	<0.000500		<0.000500		mg/L		NC	20
Nickel	<0.00500		<0.00500		mg/L		NC	20
Selenium	<0.00500		<0.00500		mg/L		NC	20
Silver	<0.00100		<0.00100		mg/L		NC	20
Thallium	<0.00100		<0.00100		mg/L		NC	20
Vanadium	<0.00500		<0.00500		mg/L		NC	20
Zinc	<0.0200		<0.0200		mg/L		NC	20
Tin	<0.00500		<5.00		ug/L		NC	20

Lab Sample ID: MB 310-475309/1-A
Matrix: Water
Analysis Batch: 475751

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 475309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		12/03/25 09:00	12/06/25 18:47	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		12/03/25 09:00	12/06/25 18:47	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		12/03/25 09:00	12/06/25 18:47	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/03/25 09:00	12/06/25 18:47	1
Chromium	<0.00500		0.00500	0.00180	mg/L		12/03/25 09:00	12/06/25 18:47	1

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: MB 310-475309/1-A

Matrix: Water

Analysis Batch: 475751

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.000500		0.000500	0.000170	mg/L		12/03/25 09:00	12/06/25 18:47	1
Lead	<0.000500		0.000500	0.000330	mg/L		12/03/25 09:00	12/06/25 18:47	1
Selenium	<0.00500		0.00500	0.00140	mg/L		12/03/25 09:00	12/06/25 18:47	1
Silver	<0.00100		0.00100	0.000500	mg/L		12/03/25 09:00	12/06/25 18:47	1
Thallium	<0.00100		0.00100	0.000570	mg/L		12/03/25 09:00	12/06/25 18:47	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		12/03/25 09:00	12/06/25 18:47	1

Lab Sample ID: MB 310-475309/1-A

Matrix: Water

Analysis Batch: 475867

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		12/03/25 09:00	12/08/25 16:34	1
Barium	<0.00200		0.00200	0.000660	mg/L		12/03/25 09:00	12/08/25 16:34	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		12/03/25 09:00	12/08/25 16:34	1
Chromium	<0.00500		0.00500	0.00180	mg/L		12/03/25 09:00	12/08/25 16:34	1
Copper	<0.00500		0.00500	0.00320	mg/L		12/03/25 09:00	12/08/25 16:34	1
Nickel	<0.00500		0.00500	0.00230	mg/L		12/03/25 09:00	12/08/25 16:34	1
Selenium	<0.00500		0.00500	0.00140	mg/L		12/03/25 09:00	12/08/25 16:34	1
Zinc	<0.0200		0.0200	0.0130	mg/L		12/03/25 09:00	12/08/25 16:34	1

Lab Sample ID: LCS 310-475309/2-A

Matrix: Water

Analysis Batch: 475751

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.1659		mg/L		83	80 - 120
Arsenic	0.200	0.1728		mg/L		86	80 - 120
Beryllium	0.100	0.09010		mg/L		90	80 - 120
Cadmium	0.100	0.08033		mg/L		80	80 - 120
Chromium	0.100	0.08350		mg/L		84	80 - 120
Cobalt	0.100	0.08879		mg/L		89	80 - 120
Lead	0.200	0.1751		mg/L		88	80 - 120
Selenium	0.400	0.3246		mg/L		81	80 - 120
Silver	0.100	0.09346		mg/L		93	80 - 120
Thallium	0.100	0.1037		mg/L		104	80 - 120
Vanadium	0.100	0.08625		mg/L		86	80 - 120

Lab Sample ID: LCS 310-475309/2-A

Matrix: Water

Analysis Batch: 475867

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.1998		mg/L		100	80 - 120
Barium	0.100	0.09572		mg/L		96	80 - 120
Cadmium	0.100	0.08973		mg/L		90	80 - 120
Chromium	0.100	0.09041		mg/L		90	80 - 120
Copper	0.200	0.1824		mg/L		91	80 - 120
Nickel	0.200	0.1865		mg/L		93	80 - 120

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: LCS 310-475309/2-A

Matrix: Water

Analysis Batch: 475867

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	0.400	0.3656		mg/L		91	80 - 120
Zinc	0.200	0.1806		mg/L		90	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-475256/1-A

Matrix: Water

Analysis Batch: 475429

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		12/02/25 11:50	12/03/25 09:10	1

Lab Sample ID: LCS 310-475256/2-A

Matrix: Water

Analysis Batch: 475429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001621		mg/L		97	80 - 120

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

Lab Sample ID: MB 310-475487/1-A

Matrix: Water

Analysis Batch: 475605

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0100		0.0100	0.00350	mg/L		12/04/25 08:38	12/04/25 21:02	1

Lab Sample ID: LCS 310-475487/2-A

Matrix: Water

Analysis Batch: 475605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475487

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.2014		mg/L		101	90 - 110

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

Lab Sample ID: MB 500-846099/1-A

Matrix: Water

Analysis Batch: 846107

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 846099

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.00		1.00	0.231	mg/L		12/07/25 18:00	12/08/25 02:25	1

Lab Sample ID: LCS 500-846099/2-A

Matrix: Water

Analysis Batch: 846107

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 846099

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	4.04	3.808		mg/L		94	80 - 120

Eurofins Cedar Falls

QC Sample Results

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

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

Lab Sample ID: MB 310-475129/1

Matrix: Water

Analysis Batch: 475129

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			12/01/25 11:03	1

Lab Sample ID: LCS 310-475129/2

Matrix: Water

Analysis Batch: 475129

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	100.0		mg/L		100	82 - 117

Lab Sample ID: 310-321513-13 DU

Matrix: Water

Analysis Batch: 475129

Client Sample ID: MW-15R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	54.0		54.00		mg/L		0	35

Lab Sample ID: MB 310-475158/1

Matrix: Water

Analysis Batch: 475158

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			12/01/25 12:53	1

Lab Sample ID: LCS 310-475158/2

Matrix: Water

Analysis Batch: 475158

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	96.00		mg/L		96	82 - 117

Lab Sample ID: 310-321513-9 DU

Matrix: Water

Analysis Batch: 475158

Client Sample ID: MW-13R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	6.00		5.667		mg/L		6	35

Lab Sample ID: 310-321513-11 DU

Matrix: Water

Analysis Batch: 475158

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	35.0		37.00		mg/L		6	35

QC Association Summary

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

GC/MS VOA

Analysis Batch: 475115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-1	MW-16	Total/NA	Water	8260D	
310-321513-2	MW-27	Total/NA	Water	8260D	
310-321513-3	MW-35	Total/NA	Water	8260D	
310-321513-4	MW-42R	Total/NA	Water	8260D	
310-321513-6	MW-7	Total/NA	Water	8260D	
310-321513-10	MW-15C	Total/NA	Water	8260D	
310-321513-13	MW-15R	Total/NA	Water	8260D	
310-321513-17	MW-D	Total/NA	Water	8260D	
310-321513-18	Trip Blank 1	Total/NA	Water	8260D	
310-321513-19	Trip Blank 2	Total/NA	Water	8260D	
310-321513-20	Trip Blank 3	Total/NA	Water	8260D	
MB 310-475115/5	Method Blank	Total/NA	Water	8260D	
LCS 310-475115/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-475115/7	Lab Control Sample	Total/NA	Water	8260D	
310-321513-1 MS	MW-16	Total/NA	Water	8260D	
310-321513-1 MSD	MW-16	Total/NA	Water	8260D	

Analysis Batch: 475120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-15	MW-40	Total/NA	Water	8260D	
MB 310-475120/5	Method Blank	Total/NA	Water	8260D	
LCS 310-475120/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 475233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-9	MW-13R	Total/NA	Water	8260D	
310-321513-11	MW-44	Total/NA	Water	8260D	
310-321513-12	MW-14R	Total/NA	Water	8260D	
310-321513-14	MW-39	Total/NA	Water	8260D	
MB 310-475233/5	Method Blank	Total/NA	Water	8260D	
LCS 310-475233/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-475233/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 475656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-16	MW-43	Total/NA	Water	8260D	
MB 310-475656/5	Method Blank	Total/NA	Water	8260D	
LCS 310-475656/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 475713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-4	MW-42R	Total/NA	Water	8260D	
MB 310-475713/5	Method Blank	Total/NA	Water	8260D	
LCS 310-475713/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-475713/7	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 475159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-6	MW-7	Total/NA	Water	3510C	

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QC Association Summary

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

GC/MS Semi VOA (Continued)

Prep Batch: 475159 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-475159/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-475159/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-475159/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 475460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-6	MW-7	Total/NA	Water	8270E	475159
MB 310-475159/1-A	Method Blank	Total/NA	Water	8270E	475159
LCS 310-475159/2-A	Lab Control Sample	Total/NA	Water	8270E	475159
LCSD 310-475159/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	475159

Analysis Batch: 475511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-475159/2-A	Lab Control Sample	Total/NA	Water	8270E	475159
LCSD 310-475159/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	475159

GC Semi VOA

Prep Batch: 475321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-6	MW-7	Total/NA	Water	3511	
MB 310-475321/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-475321/18-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-475321/2-A	Lab Control Sample	Total/NA	Water	3511	

Analysis Batch: 475337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-6	MW-7	Total/NA	Water	8015C	
MB 310-475337/4	Method Blank	Total/NA	Water	8015C	
LCS 310-475337/9	Lab Control Sample	Total/NA	Water	8015C	

Analysis Batch: 475967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-475321/1-A	Method Blank	Total/NA	Water	8082A	475321
LCS 310-475321/18-A	Lab Control Sample	Total/NA	Water	8082A	475321

Analysis Batch: 476270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-6	MW-7	Total/NA	Water	8082A	475321

Analysis Batch: 476272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-6	MW-7	Total/NA	Water	8081B	475321
MB 310-475321/1-A	Method Blank	Total/NA	Water	8081B	475321
LCS 310-475321/2-A	Lab Control Sample	Total/NA	Water	8081B	475321

Prep Batch: 739154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-6	MW-7	Total/NA	Water	8151A	
MB 410-739154/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-739154/2-A	Lab Control Sample	Total/NA	Water	8151A	

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QC Association Summary

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

GC Semi VOA (Continued)

Prep Batch: 739154 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-739154/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	

Analysis Batch: 739457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-6	MW-7	Total/NA	Water	8151A	739154
MB 410-739154/1-A	Method Blank	Total/NA	Water	8151A	739154
LCS 410-739154/2-A	Lab Control Sample	Total/NA	Water	8151A	739154
LCS 410-739154/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	739154

Metals

Prep Batch: 475186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-1	MW-16	Total/NA	Water	3005A	
310-321513-2	MW-27	Total/NA	Water	3005A	
310-321513-3	MW-35	Total/NA	Water	3005A	
310-321513-4	MW-42R	Total/NA	Water	3005A	
310-321513-5	MW-11	Total/NA	Water	3005A	
310-321513-6	MW-7	Total/NA	Water	3005A	
310-321513-7	MW-9R	Total/NA	Water	3005A	
310-321513-8	MW-12	Total/NA	Water	3005A	
310-321513-9	MW-13R	Total/NA	Water	3005A	
310-321513-10	MW-15C	Total/NA	Water	3005A	
310-321513-11	MW-44	Total/NA	Water	3005A	
310-321513-12	MW-14R	Total/NA	Water	3005A	
310-321513-13	MW-15R	Total/NA	Water	3005A	
310-321513-14	MW-39	Total/NA	Water	3005A	
310-321513-15	MW-40	Total/NA	Water	3005A	
MB 310-475186/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-475186/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-321513-7 DU	MW-9R	Total/NA	Water	3005A	

Prep Batch: 475256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-6	MW-7	Total/NA	Water	7470A	
MB 310-475256/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-475256/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 475309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-16	MW-43	Total/NA	Water	3005A	
310-321513-17	MW-D	Total/NA	Water	3005A	
MB 310-475309/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-475309/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 475429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-6	MW-7	Total/NA	Water	7470A	475256
MB 310-475256/1-A	Method Blank	Total/NA	Water	7470A	475256
LCS 310-475256/2-A	Lab Control Sample	Total/NA	Water	7470A	475256

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Metals

Analysis Batch: 475751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-16	MW-43	Total/NA	Water	6020B	475309
310-321513-17	MW-D	Total/NA	Water	6020B	475309
MB 310-475309/1-A	Method Blank	Total/NA	Water	6020B	475309
LCS 310-475309/2-A	Lab Control Sample	Total/NA	Water	6020B	475309

Analysis Batch: 475867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-16	MW-43	Total/NA	Water	6020B	475309
310-321513-17	MW-D	Total/NA	Water	6020B	475309
MB 310-475309/1-A	Method Blank	Total/NA	Water	6020B	475309
LCS 310-475309/2-A	Lab Control Sample	Total/NA	Water	6020B	475309

Analysis Batch: 476354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-1	MW-16	Total/NA	Water	6020B	475186
310-321513-2	MW-27	Total/NA	Water	6020B	475186
310-321513-3	MW-35	Total/NA	Water	6020B	475186
310-321513-4	MW-42R	Total/NA	Water	6020B	475186
310-321513-5	MW-11	Total/NA	Water	6020B	475186
310-321513-6	MW-7	Total/NA	Water	6020B	475186
310-321513-7	MW-9R	Total/NA	Water	6020B	475186
310-321513-8	MW-12	Total/NA	Water	6020B	475186
310-321513-9	MW-13R	Total/NA	Water	6020B	475186
310-321513-10	MW-15C	Total/NA	Water	6020B	475186
310-321513-11	MW-44	Total/NA	Water	6020B	475186
310-321513-12	MW-14R	Total/NA	Water	6020B	475186
310-321513-13	MW-15R	Total/NA	Water	6020B	475186
310-321513-14	MW-39	Total/NA	Water	6020B	475186
310-321513-15	MW-40	Total/NA	Water	6020B	475186
MB 310-475186/1-A	Method Blank	Total/NA	Water	6020B	475186
LCS 310-475186/2-A	Lab Control Sample	Total/NA	Water	6020B	475186
310-321513-7 DU	MW-9R	Total/NA	Water	6020B	475186

Analysis Batch: 476398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-14	MW-39	Total/NA	Water	6020B	475186

General Chemistry

Analysis Batch: 475129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-1	MW-16	Total/NA	Water	I-3765-85	
310-321513-2	MW-27	Total/NA	Water	I-3765-85	
310-321513-3	MW-35	Total/NA	Water	I-3765-85	
310-321513-10	MW-15C	Total/NA	Water	I-3765-85	
310-321513-13	MW-15R	Total/NA	Water	I-3765-85	
310-321513-14	MW-39	Total/NA	Water	I-3765-85	
310-321513-17	MW-D	Total/NA	Water	I-3765-85	
MB 310-475129/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-475129/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-321513-13 DU	MW-15R	Total/NA	Water	I-3765-85	

Eurofins Cedar Falls

QC Association Summary

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

General Chemistry

Analysis Batch: 475158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-4	MW-42R	Total/NA	Water	I-3765-85	
310-321513-5	MW-11	Total/NA	Water	I-3765-85	
310-321513-6	MW-7	Total/NA	Water	I-3765-85	
310-321513-7	MW-9R	Total/NA	Water	I-3765-85	
310-321513-8	MW-12	Total/NA	Water	I-3765-85	
310-321513-9	MW-13R	Total/NA	Water	I-3765-85	
310-321513-11	MW-44	Total/NA	Water	I-3765-85	
310-321513-12	MW-14R	Total/NA	Water	I-3765-85	
MB 310-475158/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-475158/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-321513-9 DU	MW-13R	Total/NA	Water	I-3765-85	
310-321513-11 DU	MW-44	Total/NA	Water	I-3765-85	

Prep Batch: 475487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-6	MW-7	Total/NA	Water	9012B	
MB 310-475487/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-475487/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 475605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-6	MW-7	Total/NA	Water	9012B	475487
MB 310-475487/1-A	Method Blank	Total/NA	Water	9012B	475487
LCS 310-475487/2-A	Lab Control Sample	Total/NA	Water	9012B	475487

Prep Batch: 846099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-5	MW-11	Total/NA	Water	9030B	
310-321513-6	MW-7	Total/NA	Water	9030B	
310-321513-7	MW-9R	Total/NA	Water	9030B	
MB 500-846099/1-A	Method Blank	Total/NA	Water	9030B	
LCS 500-846099/2-A	Lab Control Sample	Total/NA	Water	9030B	

Analysis Batch: 846107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321513-5	MW-11	Total/NA	Water	9034	846099
310-321513-6	MW-7	Total/NA	Water	9034	846099
310-321513-7	MW-9R	Total/NA	Water	9034	846099
MB 500-846099/1-A	Method Blank	Total/NA	Water	9034	846099
LCS 500-846099/2-A	Lab Control Sample	Total/NA	Water	9034	846099

Lab Chronicle

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-16

Lab Sample ID: 310-321513-1

Date Collected: 11/24/25 16:12

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475115	WSE8	EET CF	12/01/25 13:10
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		1	476354	NFT2	EET CF	12/12/25 14:18
Total/NA	Analysis	I-3765-85		1	475129	DGU1	EET CF	12/01/25 11:03

Client Sample ID: MW-27

Lab Sample ID: 310-321513-2

Date Collected: 11/24/25 15:45

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475115	WSE8	EET CF	12/01/25 13:33
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		1	476354	NFT2	EET CF	12/12/25 14:21
Total/NA	Analysis	I-3765-85		1	475129	DGU1	EET CF	12/01/25 11:03

Client Sample ID: MW-35

Lab Sample ID: 310-321513-3

Date Collected: 11/24/25 15:16

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475115	WSE8	EET CF	12/01/25 13:55
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		1	476354	NFT2	EET CF	12/12/25 14:24
Total/NA	Analysis	I-3765-85		1	475129	DGU1	EET CF	12/01/25 11:03

Client Sample ID: MW-42R

Lab Sample ID: 310-321513-4

Date Collected: 11/25/25 11:37

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475115	WSE8	EET CF	12/01/25 11:40
Total/NA	Analysis	8260D		1	475713	WSE8	EET CF	12/05/25 20:42
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		1	476354	NFT2	EET CF	12/12/25 14:26
Total/NA	Analysis	I-3765-85		1	475158	DGU1	EET CF	12/01/25 12:53

Client Sample ID: MW-11

Lab Sample ID: 310-321513-5

Date Collected: 11/25/25 12:40

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		1	476354	NFT2	EET CF	12/12/25 14:29
Total/NA	Prep	9030B			846099	CLB	EET CHI	12/07/25 18:06 - 12/07/25 18:10 ¹
Total/NA	Analysis	9034		1	846107	CLB	EET CHI	12/08/25 02:45 - 12/08/25 02:56 ¹

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-11

Lab Sample ID: 310-321513-5

Date Collected: 11/25/25 12:40

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	I-3765-85		1	475158	DGU1	EET CF	12/01/25 12:53

Client Sample ID: MW-7

Lab Sample ID: 310-321513-6

Date Collected: 11/25/25 15:32

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475115	WSE8	EET CF	12/01/25 15:26
Total/NA	Prep	3510C			475159	J5BR	EET CF	12/01/25 12:54
Total/NA	Analysis	8270E		1	475460	V7YZ	EET CF	12/04/25 05:27
Total/NA	Analysis	8015C		1	475337	BW2O	EET CF	12/03/25 16:52
Total/NA	Prep	3511			475321	BW2O	EET CF	12/02/25 14:04
Total/NA	Analysis	8081B		1	476272	BW2O	EET CF	12/12/25 14:18
Total/NA	Prep	3511			475321	BW2O	EET CF	12/02/25 14:04
Total/NA	Analysis	8082A		1	476270	BW2O	EET CF	12/12/25 14:18
Total/NA	Prep	8151A			739154	QJZ6	ELLE	12/04/25 14:50
Total/NA	Analysis	8151A		1	739457	UAMZ	ELLE	12/05/25 08:21
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		1	476354	NFT2	EET CF	12/12/25 14:31
Total/NA	Prep	7470A			475256	RLT9	EET CF	12/02/25 11:50
Total/NA	Analysis	7470A		1	475429	RLT9	EET CF	12/03/25 09:51
Total/NA	Prep	9012B			475487	ENB7	EET CF	12/04/25 08:38
Total/NA	Analysis	9012B		1	475605	ZJX4	EET CF	12/04/25 21:15
Total/NA	Prep	9030B			846099	CLB	EET CHI	12/07/25 18:10 - 12/07/25 18:13 ¹
Total/NA	Analysis	9034		1	846107	CLB	EET CHI	12/08/25 02:56 - 12/08/25 03:06 ¹
Total/NA	Analysis	I-3765-85		1	475158	DGU1	EET CF	12/01/25 12:53

Client Sample ID: MW-9R

Lab Sample ID: 310-321513-7

Date Collected: 11/25/25 13:22

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		1	476354	NFT2	EET CF	12/12/25 14:34
Total/NA	Prep	9030B			846099	CLB	EET CHI	12/07/25 18:13 - 12/07/25 18:16 ¹
Total/NA	Analysis	9034		1	846107	CLB	EET CHI	12/08/25 03:06 - 12/08/25 03:16 ¹
Total/NA	Analysis	I-3765-85		1	475158	DGU1	EET CF	12/01/25 12:53

Client Sample ID: MW-12

Lab Sample ID: 310-321513-8

Date Collected: 11/25/25 16:12

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		1	476354	NFT2	EET CF	12/12/25 14:44

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-12

Date Collected: 11/25/25 16:12

Date Received: 11/26/25 18:45

Lab Sample ID: 310-321513-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	I-3765-85		1	475158	DGU1	EET CF	12/01/25 12:53

Client Sample ID: MW-13R

Date Collected: 11/25/25 12:04

Date Received: 11/26/25 18:45

Lab Sample ID: 310-321513-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475233	WSE8	EET CF	12/02/25 12:27
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		1	476354	NFT2	EET CF	12/12/25 14:47
Total/NA	Analysis	I-3765-85		1	475158	DGU1	EET CF	12/01/25 12:53

Client Sample ID: MW-15C

Date Collected: 11/24/25 14:50

Date Received: 11/26/25 18:45

Lab Sample ID: 310-321513-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475115	WSE8	EET CF	12/01/25 14:18
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		1	476354	NFT2	EET CF	12/12/25 14:49
Total/NA	Analysis	I-3765-85		1	475129	DGU1	EET CF	12/01/25 11:03

Client Sample ID: MW-44

Date Collected: 11/25/25 11:12

Date Received: 11/26/25 18:45

Lab Sample ID: 310-321513-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475233	WSE8	EET CF	12/02/25 12:49
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		1	476354	NFT2	EET CF	12/12/25 14:52
Total/NA	Analysis	I-3765-85		1	475158	DGU1	EET CF	12/01/25 12:53

Client Sample ID: MW-14R

Date Collected: 11/25/25 09:45

Date Received: 11/26/25 18:45

Lab Sample ID: 310-321513-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475233	WSE8	EET CF	12/02/25 13:12
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		1	476354	NFT2	EET CF	12/12/25 14:54
Total/NA	Analysis	I-3765-85		1	475158	DGU1	EET CF	12/01/25 12:53

Lab Chronicle

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-15R

Lab Sample ID: 310-321513-13

Date Collected: 11/24/25 14:12

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475115	WSE8	EET CF	12/01/25 14:41
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		1	476354	NFT2	EET CF	12/12/25 14:57
Total/NA	Analysis	I-3765-85		1	475129	DGU1	EET CF	12/01/25 11:03

Client Sample ID: MW-39

Lab Sample ID: 310-321513-14

Date Collected: 11/25/25 10:13

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475233	WSE8	EET CF	12/02/25 13:34
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		1	476354	NFT2	EET CF	12/12/25 14:59
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		4	476398	ZRI4	EET CF	12/14/25 21:08
Total/NA	Analysis	I-3765-85		1	475129	DGU1	EET CF	12/01/25 11:03

Client Sample ID: MW-40

Lab Sample ID: 310-321513-15

Date Collected: 11/24/25 13:39

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475120	WSE8	EET CF	12/02/25 01:34
Total/NA	Prep	3005A			475186	RLT9	EET CF	12/02/25 09:00
Total/NA	Analysis	6020B		1	476354	NFT2	EET CF	12/12/25 15:02

Client Sample ID: MW-43

Lab Sample ID: 310-321513-16

Date Collected: 11/25/25 10:33

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475656	WSE8	EET CF	12/05/25 18:34
Total/NA	Prep	3005A			475309	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	475751	NFT2	EET CF	12/06/25 19:18
Total/NA	Prep	3005A			475309	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	475867	NFT2	EET CF	12/08/25 17:05

Client Sample ID: MW-D

Lab Sample ID: 310-321513-17

Date Collected: 11/24/25 14:50

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475115	WSE8	EET CF	12/01/25 15:03
Total/NA	Prep	3005A			475309	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	475751	NFT2	EET CF	12/06/25 19:21

Eurofins Cedar Falls

Lab Chronicle

Client: SCS Engineers
Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Client Sample ID: MW-D

Lab Sample ID: 310-321513-17

Date Collected: 11/24/25 14:50

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			475309	RLT9	EET CF	12/03/25 09:00
Total/NA	Analysis	6020B		1	475867	NFT2	EET CF	12/08/25 17:08
Total/NA	Analysis	I-3765-85		1	475129	DGU1	EET CF	12/01/25 11:03

Client Sample ID: Trip Blank 1

Lab Sample ID: 310-321513-18

Date Collected: 11/25/25 00:00

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475115	WSE8	EET CF	12/01/25 12:03

Client Sample ID: Trip Blank 2

Lab Sample ID: 310-321513-19

Date Collected: 11/25/25 00:00

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475115	WSE8	EET CF	12/01/25 12:26

Client Sample ID: Trip Blank 3

Lab Sample ID: 310-321513-20

Date Collected: 11/25/25 00:00

Matrix: Water

Date Received: 11/26/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475115	WSE8	EET CF	12/01/25 12:48

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: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1
SDG: Cherokee County Sanitary Landfill

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25 *
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,2,4-Trichlorobenzene
8260D		Water	Allyl chloride
8260D		Water	Ethyl methacrylate

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Iowa	State	361	03-01-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: SCS Engineers

Project/Site: Cherokee County - 2nd 2025 Semi-Annual GW

Job ID: 310-321513-1

SDG: Cherokee County Sanitary Landfill

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8015C	Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
8151A	Herbicides (GC)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
9012B	Cyanide, Total 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
3005A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	ELLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CF
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	EET CHI

Protocol References:

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

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

Laboratory References:

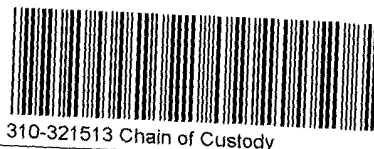
EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

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



Environment Testing
America



Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCS Engineers</u>			
City/State:	CITY	STATE	Project:
		<u>IA</u>	
Receipt Information			
Date/Time Received:	DATE	TIME	Received By
	<u>11.26.25</u>	<u>1845</u>	<u>PH</u>
Delivery Type. ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee			
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes: Cooler ID: _____			
Multiple Coolers? ☒ Yes ☐ No If yes: Cooler # <u>1</u> of <u>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-16, -27, -35, -40, -D, -ISC, -ISR</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>1.2</u>		Corrected Temp (°C): <u>-1.2</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			



Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client <u>SCS Engineers</u>			
City/State:	CITY	STATE	Project:
		<u>CA</u>	
Receipt Information			
Date/Time Received:	DATE	TIME	Received By:
	<u>11.26.25</u>	<u>1045</u>	<u>PH</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee			
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes: Cooler ID. _____			
Multiple Coolers? ☒ Yes ☐ No If yes: Cooler # <u>2</u> of <u>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-44, -11, -14R, -39, -42R, -13R, -9R, -43</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>-0.8</u>		Corrected Temp (°C). <u>-0.8</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1		CONTAINER 2
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No			
a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE. If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

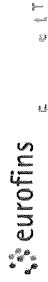


Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>SCS Engineers</u>			
City/State:	CITY	STATE	Project:
Receipt Information			
Date/Time Received:	DATE <u>11.26.25</u>	TIME <u>1845</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-7, -12</u>			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>A4</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>-1.3</u>		Corrected Temp (°C): <u>-1.3</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			



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

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact		Project Manager:		Site Contact: Sean Marczewski		Date: 11/12/2025		COC No:			
SCS Engineers		Email: smarczewski@scsengineers.com		Lab Contact: Sam Miller		Carrier:		Sampler			
1690 All-State Court, Suite 11		Cell 712-661-9682						For Lab Use Only:			
West Des Moines, IA 50265		☐ CALENDAR DAYS ☐ WORKING DAYS						Walk-in Client:			
712-661-9682		Analysis Turnaround Time						Lab Sampling			
		Other:						Job / SDG No			
		☐ 2 weeks									
		☐ 1 week									
		☐ 2 days									
		☐ 1 day									
Project Name: Cherokee County - 2nd 2025 Semi-Annual GW		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix		# of Cont.	
Site: Cherokee County Sanitary Landfill		MW-16		11-24-25		1612		G		W	
P O # 27225283 26		MW-27		11-24-25		1545		C		W	
		MW-35		11-24-25		1516		G		W	
		MW-42R		11-24-25		1137		G		W	
		GWD-2									
		MW-11		11-25-25		1245		G		W	
		MW-7		11-25-25		1532		G		W	
		MW-9R		11-25-25		1322		G		W	
		MW-10R		11-25-25							
		MW-12		11-25-25		1612		G		W	
		MW-13R		11-25-25		1204		G		W	
		MW-15C		11-24-25		1450		G		W	
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:											
Metals List Arsenic, barium, cobalt, lead, and nickel											
Custody Seals Intact: ☐ Yes ☐ No											
Relinquished by <i>Heather</i>		Company: SCS		Date/Time: 11/26/2025		Received by		Company:		Therm ID No	
Relinquished by		Company:		Date/Time:		Received by		Company:		Date/Time:	
Relinquished by		Company:		Date/Time:		Received in Laboratory by: <i>ES</i>		Company: <i>EET</i>		Date/Time: 11/26/25 1845	



[illegible]

HT

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

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1.3 → 1.3

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-321513-1

SDG Number: Cherokee County Sanitary Landfill

Login Number: 321513

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

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

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-321513-1

SDG Number: Cherokee County Sanitary Landfill

Login Number: 321513

List Number: 3

Creator: Scott, Sherri L

List Source: Eurofins Chicago

List Creation: 12/03/25 01:16 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 310-321513-1

SDG Number: Cherokee County Sanitary Landfill

Login Number: 321513

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 12/03/25 11:11 AM

Creator: Trzos, Hazel

Question	Answer	Comment
The cooler's custody seal is 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 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	