999 Fourier Dr., Ste. 101
Madison, WI 53717

t 608.826.3600

September 10, 2025

Ms. Demaree Collier
Remedial Project Manager
USEPA Region 5
77 West Jackson Boulevard
Chicago, IL 60604

Subject: Transmittal of Data
Residential and Plume Monitoring Wells
Lemberger Landfill Sites
Second Quarter 2025

Dear Ms. Collier:

On behalf of the Lemberger Site Remediation Group (LSRG), and in accordance with the Environmental Monitoring Plan (EMP), Revision 5 (February 2021), and the subsequent monitoring program revisions as approved by the United States Environmental Protection Agency (USEPA) and the Wisconsin Department of Natural Resources (WDNR), TRC Environmental Corporation (TRC) is submitting the following data:

- Attachment 1: Data Validation Comments and Qualified Form 1s For All Wells
- Attachment 2: Table of Wisconsin Administrative Code Chapter NR 140 Groundwater Quality Standards (Enforcement Standards [ESs], Preventive Action Limits [PALs], Maximum Contaminant Levels [MCLs], and Secondary Maximum Contaminant Levels [SMCLs]) for the Pertinent Parameters
- Attachment 3: Tabular Summary of Analytical Results at Each Monitoring Well
- Attachment 4: Laboratory Data Qualifiers for Monitoring Wells
- Attachment 5: Tabular Summary of Groundwater Standard Exceedances at Plume Monitoring Wells

A CD containing field and laboratory data in an approved WDNR format has been attached to the copy provided to the WDNR for their use. The data are also uploaded to the USEPA Region 5 Electronic Data Submission site. Groundwater samples were collected during June 2025, in accordance with the February 2021 EMP, Revision 5.

Please call if you have questions.

Sincerely,

TRC

Kristopher D. Krause, P.E.
Senior Project Manager

Meredith Westover, P.G.
Senior Hydrogeologist

Attachments

cc: B.J. LeRoy – WDNR
Brian Potts – Husch Blackwell
Kristin Jones – Newell Rubbermaid
Troy Adams – Manitowoc Public Utilities
Scott Karbon – Manitowoc Public Utilities
James Wallner – Red Arrow Products
James Cook – The Manitowoc Company, Inc.
Dan Koski – City of Manitowoc
Jane Rhode – City of Manitowoc
Eric Nycz – City of Manitowoc
Felicie Chaume – The Manitowoc Company, Inc.
Dominique Sorel – SS. Papadopulos & Associates, Inc.
John Lang – EHS Support, LLC
Reynolds Renshaw – EHS Support, LLC
GEMS Data Submittal Contact (w/diskette)

Attachment 1

Data Validation Comments and Qualified Form 1s For All Wells

Memorandum

To: Meredith Westover

From: Megan Yonts (Data Reviewer)
Elizabeth Denly (Peer Reviewer)

Date: August 12, 2025

Subject: Data Validation Report
Groundwater Samples (Low-level Wells): 2nd Quarter 2025
Lemberger Landfill and Transport Recycling/Franklin, Wisconsin
Laboratory Project Number 40298059

SUMMARY

Limited validation (level III) was performed on the data for six groundwater samples (low-level wells), one field duplicate, one field blank, and one trip blank collected at the Lemberger Landfill and Transport Recycling Facility in Franklin, Wisconsin. The samples were collected on June 28 and 29, 2025. Samples were submitted to Pace Analytical Services, LLC in Green Bay, Wisconsin for analysis. The samples were analyzed for volatile organic compounds (VOCs) using SW-846 Method 8260D. The laboratory reported the results under laboratory project number 40298059.

The sample results were assessed using the *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-20-005),* November 2020 and the project-specific quality assurance project plan (QAPP), dated October 2022, Revision 0.

In general, the data are valid as reported and may be used for decision-making purposes. The following issues were noted which may have a minor impact on the data usability:

- Select results were reported which were below the lowest calibration standard and quantitation limit (QL); these results were qualified by the laboratory as estimated (J).
- Sample TB-001 had headspace in the vial used for analysis; all nondetect VOC results in this sample were qualified as estimated (UJ).
- Potential uncertainty exists for the nondetect results for acetone in all samples due to a continuing calibration nonconformance. These results were qualified as estimated (UJ).
- The positive results for toluene in samples LH-01 and LW-07 were qualified as estimated nondetect (UJ) at the reported concentrations due to field blank contamination.

SAMPLES

Samples included in this review are listed below.

- LH-01
- LH-03
- LW-07
- RM-005S
- RM-207S
- RM-208S
- FDUP-002[1]
- FB-002
- TB-001

[1] Field duplicate of RM-207S

REVIEW ELEMENTS

Sample data were reviewed for the following parameters:

- Agreement of analyses conducted with chain-of-custody (COC) requests
- Data completeness
- Holding times and sample preservation
- Gas chromatography/mass spectrometry (GC/MS) tunes
- Initial and continuing calibrations
- Blanks
- Surrogate spike recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) results
- Laboratory control sample (LCS) results
- Internal standard performance
- Field duplicate results
- Quantitation limits and sample results

DISCUSSION

Agreement of Analyses Conducted with Chain-of-Custody Requests

Sample reports were checked to verify that the results corresponded to analytical requests as designated on the COC. No issues were noted.

Data Completeness

The data package was found to be complete as received from the laboratory with the following exception.

- The laboratory only spiked a subset of the VOCs which were reported in the samples in the LCS and MS/MSD analyses. Thus, accuracy and/or precision could not be evaluated for select VOCs. No validation action was taken on the basis of this issue.

Holding Times and Sample Preservation

All samples were analyzed within the method-specified holding time. All samples were received by the laboratory on ice and at a temperature within the target range of 0 to 6°C. All samples were noted as properly preserved with the following exception.

- The Sample Preservation Receipt Form indicated headspace >6mm in the two vials received for the trip blank sample, TB-001. The nondetect results for all VOCs in sample TB-001 were qualified as estimated (UJ) due to the headspace.

Samples were received by the laboratory between nine and 10 days after collection. Samples were stored in coolers, on ice, in a locked former treatment building at the site until delivery to the laboratory. No validation actions were required on this basis since the samples were kept on ice prior to delivery to the laboratory and were received on ice and at an acceptable cooler temperature by the laboratory.

GC/MS Tunes

The frequency and abundance of bromofluorobenzene tunes were within the acceptance criteria.

Initial and Continuing Calibrations

The percent relative standard deviations, correlation coefficients, and relative response factors (RRFs) for all target compounds were within the acceptance criteria in the initial calibration.

All RRFs were within the acceptance criteria in the continuing calibration (CC). The following table summarizes the percent differences or percent drifts (%Ds) which were outside of the laboratory acceptance criteria in the CC, the associated samples, and the resulting validation actions.

CC	Analyte	%D	Validation Actions
19694748CCV 7/10/2025 @07:22	Acetone	31.7015	The nondetect results for acetone were qualified was qualified as estimated (UJ) in the associated samples.
Associated Samples: All samples in this data set			

Blanks

Target analytes were not detected in the laboratory method blank or in the trip blank. The following table summarizes the concentration of the compound that was detected in the field blank, the associated samples, and the resulting validation actions.

Blank	Analyte	Blank Concentration (µg/L)	QL (µg/L)	Validation Actions
FB-002	Toluene	0.33 J	1.0	The positive results for toluene in samples LH-01 and LW-07 were qualified as estimated nondetect (UJ) at the reported concentration since the results were < QL. No validation actions were taken on the remaining samples since toluene was not detected in these samples.
Associated Samples: All samples in this data set				

Surrogate Spike Recoveries

The percent recoveries (%Rs) of the surrogates for all samples were within the laboratory acceptance criteria.

MS/MSD Results

MS/MSD analyses were not performed on samples in this data set.

LCS Results

All LCS %Rs were within the laboratory's acceptance criteria.

Note that the laboratory only spiked a subset of the VOCs that were reported in the samples in the LCS. Thus, accuracy could not be evaluated for the following VOCs (which were not spiked) in all LCSs: 2-butanone, 2-hexanone, 4-methyl-2-pentanone, and acetone. No validation action was taken on this basis.

Internal Standard Performance

Internal standards were within the method acceptance criteria in all sample analyses.

Field Duplicate Results

The samples listed below were submitted as the field duplicate pair with this sample set.

- RM-207S and FDUP-002

All target analytes were nondetect in both samples of the field duplicate pair; therefore, all criteria were met.

Quantitation Limits and Sample Results

Sample calculations were spot-checked; there were no errors noted. No dilutions were performed in the VOC analyses of these samples.

Select results were reported which were below the lowest calibration standard level and QL (or limit of quantitation [LOQ]). These results were qualified as estimated (J) by the laboratory.

The laboratory's limit of detection (LOD) for select VOCs was above one or both of the project action limits specified in the QAPP. The affected VOCs, project action limits, and current laboratory LODs are summarized in the table below.

Analyte	Affected Samples	WAC Chapter NR 140 PAL (µg/L)	WAC Chapter NR 140 ES (µg/L)	Laboratory LOD (µg/L)
1,1,2,2-Tetrachloroethane	All samples in this sample set	0.02	0.2	0.25
Bromodichloromethane		0.06	0.6*	0.21
Bromomethane		1	10*	1.2
Vinyl chloride		0.02	0.2*	0.17
cis-1,3-Dichloropropene		0.04	0.4*	0.24
trans-1,3-Dichloropropene		0.02	0.2*	0.58
* Laboratory LOD is below action limit				

QUALIFIED FORM 1s

SAMPLE NO.

LH-03

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 642998.0000PH3 LEMBERGER LF LL

Date Received: 07/08/2025 18:15 Matrix: Water SDG No.: 40298059

Date Extracted: 07/10/2025 13:44 Lab Sample ID: 40298059001

Date Analyzed: 07/10/2025 13:44 Lab File ID: 07102025.B\07102523.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<8.6	~~U~~ UJ
71-43-2	Benzene	3.3	
75-27-4	Bromodichloromethane	<0.21	U
75-25-2	Bromoform	<0.43	U
74-83-9	Bromomethane	<1.2	U
78-93-3	2-Butanone (MEK)	<6.5	U
75-15-0	Carbon disulfide	<0.65	U
56-23-5	Carbon tetrachloride	<0.37	U
108-90-7	Chlorobenzene	3.3	
75-00-3	Chloroethane	<1.4	U
67-66-3	Chloroform	<0.50	U
74-87-3	Chloromethane	<1.6	U
124-48-1	Dibromochloromethane	<2.6	U
75-34-3	1,1-Dichloroethane	<0.30	U
107-06-2	1,2-Dichloroethane	<0.29	U
75-35-4	1,1-Dichloroethene	<0.58	U
156-59-2	cis-1,2-Dichloroethene	<0.47	U
156-60-5	trans-1,2-Dichloroethene	<0.53	U
78-87-5	1,2-Dichloropropane	<0.45	U
10061-01-5	cis-1,3-Dichloropropene	<0.24	U
10061-02-6	trans-1,3-Dichloropropene	<0.58	U
100-41-4	Ethylbenzene	<0.33	U
591-78-6	2-Hexanone	<6.3	U
75-09-2	Methylene Chloride	<0.32	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<6.0	U
100-42-5	Styrene	<0.36	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.41	U
108-88-3	Toluene	<0.29	U
71-55-6	1,1,1-Trichloroethane	<0.30	U
79-00-5	1,1,2-Trichloroethane	<0.34	U
79-01-6	Trichloroethene	<0.32	U
75-01-4	Vinyl chloride	<0.17	U
1330-20-7	Xylene (Total)	<1.0	U

SAMPLE NO.

LW-07

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 642998.0000PH3 LEMBERGER LF LL

Date Received: 07/08/2025 18:15 Matrix: Water SDG No.: 40298059

Date Extracted: 07/10/2025 14:03 Lab Sample ID: 40298059002

Date Analyzed: 07/10/2025 14:03 Lab File ID: 07102025.B\07102524.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<8.6	~~U~~ UJ
71-43-2	Benzene	14.8	
75-27-4	Bromodichloromethane	<0.21	U
75-25-2	Bromoform	<0.43	U
74-83-9	Bromomethane	<1.2	U
78-93-3	2-Butanone (MEK)	<6.5	U
75-15-0	Carbon disulfide	<0.65	U
56-23-5	Carbon tetrachloride	<0.37	U
108-90-7	Chlorobenzene	<0.86	U
75-00-3	Chloroethane	<1.4	U
67-66-3	Chloroform	<0.50	U
74-87-3	Chloromethane	<1.6	U
124-48-1	Dibromochloromethane	<2.6	U
75-34-3	1,1-Dichloroethane	<0.30	U
107-06-2	1,2-Dichloroethane	<0.29	U
75-35-4	1,1-Dichloroethene	<0.58	U
156-59-2	cis-1,2-Dichloroethene	<0.47	U
156-60-5	trans-1,2-Dichloroethene	<0.53	U
78-87-5	1,2-Dichloropropane	<0.45	U
10061-01-5	cis-1,3-Dichloropropene	<0.24	U
10061-02-6	trans-1,3-Dichloropropene	<0.58	U
100-41-4	Ethylbenzene	<0.33	U
591-78-6	2-Hexanone	<6.3	U
75-09-2	Methylene Chloride	<0.32	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<6.0	U
100-42-5	Styrene	<0.36	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.41	U
108-88-3	Toluene	0.34	~~J~~ UJ
71-55-6	1,1,1-Trichloroethane	<0.30	U
79-00-5	1,1,2-Trichloroethane	<0.34	U
79-01-6	Trichloroethene	<0.32	U
75-01-4	Vinyl chloride	<0.17	U
1330-20-7	Xylene (Total)	2.5	J

SAMPLE NO.

RM-208S

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 642998.0000PH3 LEMBERGER LF LL

Date Received: 07/08/2025 18:15 Matrix: Water SDG No.: 40298059

Date Extracted: 07/10/2025 14:23 Lab Sample ID: 40298059003

Date Analyzed: 07/10/2025 14:23 Lab File ID: 07102025.B\07102525.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<8.6	~~U~~ UJ
71-43-2	Benzene	0.81	J
75-27-4	Bromodichloromethane	<0.21	U
75-25-2	Bromoform	<0.43	U
74-83-9	Bromomethane	<1.2	U
78-93-3	2-Butanone (MEK)	<6.5	U
75-15-0	Carbon disulfide	<0.65	U
56-23-5	Carbon tetrachloride	<0.37	U
108-90-7	Chlorobenzene	<0.86	U
75-00-3	Chloroethane	<1.4	U
67-66-3	Chloroform	<0.50	U
74-87-3	Chloromethane	<1.6	U
124-48-1	Dibromochloromethane	<2.6	U
75-34-3	1,1-Dichloroethane	<0.30	U
107-06-2	1,2-Dichloroethane	<0.29	U
75-35-4	1,1-Dichloroethene	<0.58	U
156-59-2	cis-1,2-Dichloroethene	<0.47	U
156-60-5	trans-1,2-Dichloroethene	<0.53	U
78-87-5	1,2-Dichloropropane	<0.45	U
10061-01-5	cis-1,3-Dichloropropene	<0.24	U
10061-02-6	trans-1,3-Dichloropropene	<0.58	U
100-41-4	Ethylbenzene	<0.33	U
591-78-6	2-Hexanone	<6.3	U
75-09-2	Methylene Chloride	<0.32	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<6.0	U
100-42-5	Styrene	<0.36	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.41	U
108-88-3	Toluene	<0.29	U
71-55-6	1,1,1-Trichloroethane	<0.30	U
79-00-5	1,1,2-Trichloroethane	<0.34	U
79-01-6	Trichloroethene	<0.32	U
75-01-4	Vinyl chloride	<0.17	U
1330-20-7	Xylene (Total)	<1.0	U

SAMPLE NO.

RM-207S

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 642998.0000PH3 LEMBERGER LF LL

Date Received: 07/08/2025 18:15 Matrix: Water SDG No.: 40298059

Date Extracted: 07/10/2025 14:42 Lab Sample ID: 40298059004

Date Analyzed: 07/10/2025 14:42 Lab File ID: 07102025.B\07102526.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<8.6	~~U~~ UJ
71-43-2	Benzene	<0.30	U
75-27-4	Bromodichloromethane	<0.21	U
75-25-2	Bromoform	<0.43	U
74-83-9	Bromomethane	<1.2	U
78-93-3	2-Butanone (MEK)	<6.5	U
75-15-0	Carbon disulfide	<0.65	U
56-23-5	Carbon tetrachloride	<0.37	U
108-90-7	Chlorobenzene	<0.86	U
75-00-3	Chloroethane	<1.4	U
67-66-3	Chloroform	<0.50	U
74-87-3	Chloromethane	<1.6	U
124-48-1	Dibromochloromethane	<2.6	U
75-34-3	1,1-Dichloroethane	<0.30	U
107-06-2	1,2-Dichloroethane	<0.29	U
75-35-4	1,1-Dichloroethene	<0.58	U
156-59-2	cis-1,2-Dichloroethene	<0.47	U
156-60-5	trans-1,2-Dichloroethene	<0.53	U
78-87-5	1,2-Dichloropropane	<0.45	U
10061-01-5	cis-1,3-Dichloropropene	<0.24	U
10061-02-6	trans-1,3-Dichloropropene	<0.58	U
100-41-4	Ethylbenzene	<0.33	U
591-78-6	2-Hexanone	<6.3	U
75-09-2	Methylene Chloride	<0.32	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<6.0	U
100-42-5	Styrene	<0.36	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.41	U
108-88-3	Toluene	<0.29	U
71-55-6	1,1,1-Trichloroethane	<0.30	U
79-00-5	1,1,2-Trichloroethane	<0.34	U
79-01-6	Trichloroethene	<0.32	U
75-01-4	Vinyl chloride	<0.17	U
1330-20-7	Xylene (Total)	<1.0	U

SAMPLE NO.

FB-002

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 642998.0000PH3 LEMBERGER LF LL

Date Received: 07/08/2025 18:15 Matrix: Water SDG No.: 40298059

Date Extracted: 07/10/2025 11:11 Lab Sample ID: 40298059005

Date Analyzed: 07/10/2025 11:11 Lab File ID: 07102025.B\07102515.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<8.6	~~U~~ UJ
71-43-2	Benzene	<0.30	U
75-27-4	Bromodichloromethane	<0.21	U
75-25-2	Bromoform	<0.43	U
74-83-9	Bromomethane	<1.2	U
78-93-3	2-Butanone (MEK)	<6.5	U
75-15-0	Carbon disulfide	<0.65	U
56-23-5	Carbon tetrachloride	<0.37	U
108-90-7	Chlorobenzene	<0.86	U
75-00-3	Chloroethane	<1.4	U
67-66-3	Chloroform	<0.50	U
74-87-3	Chloromethane	<1.6	U
124-48-1	Dibromochloromethane	<2.6	U
75-34-3	1,1-Dichloroethane	<0.30	U
107-06-2	1,2-Dichloroethane	<0.29	U
75-35-4	1,1-Dichloroethene	<0.58	U
156-59-2	cis-1,2-Dichloroethene	<0.47	U
156-60-5	trans-1,2-Dichloroethene	<0.53	U
78-87-5	1,2-Dichloropropane	<0.45	U
10061-01-5	cis-1,3-Dichloropropene	<0.24	U
10061-02-6	trans-1,3-Dichloropropene	<0.58	U
100-41-4	Ethylbenzene	<0.33	U
591-78-6	2-Hexanone	<6.3	U
75-09-2	Methylene Chloride	<0.32	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<6.0	U
100-42-5	Styrene	<0.36	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.41	U
108-88-3	Toluene	0.33	J
71-55-6	1,1,1-Trichloroethane	<0.30	U
79-00-5	1,1,2-Trichloroethane	<0.34	U
79-01-6	Trichloroethene	<0.32	U
75-01-4	Vinyl chloride	<0.17	U
1330-20-7	Xylene (Total)	<1.0	U

SAMPLE NO.

FDUP-002

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 642998.0000PH3 LEMBERGER LF LL

Date Received: 07/08/2025 18:15 Matrix: Water SDG No.: 40298059

Date Extracted: 07/10/2025 15:01 Lab Sample ID: 40298059006

Date Analyzed: 07/10/2025 15:01 Lab File ID: 07102025.B\07102527.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<8.6	~~U~~ UJ
71-43-2	Benzene	<0.30	U
75-27-4	Bromodichloromethane	<0.21	U
75-25-2	Bromoform	<0.43	U
74-83-9	Bromomethane	<1.2	U
78-93-3	2-Butanone (MEK)	<6.5	U
75-15-0	Carbon disulfide	<0.65	U
56-23-5	Carbon tetrachloride	<0.37	U
108-90-7	Chlorobenzene	<0.86	U
75-00-3	Chloroethane	<1.4	U
67-66-3	Chloroform	<0.50	U
74-87-3	Chloromethane	<1.6	U
124-48-1	Dibromochloromethane	<2.6	U
75-34-3	1,1-Dichloroethane	<0.30	U
107-06-2	1,2-Dichloroethane	<0.29	U
75-35-4	1,1-Dichloroethene	<0.58	U
156-59-2	cis-1,2-Dichloroethene	<0.47	U
156-60-5	trans-1,2-Dichloroethene	<0.53	U
78-87-5	1,2-Dichloropropane	<0.45	U
10061-01-5	cis-1,3-Dichloropropene	<0.24	U
10061-02-6	trans-1,3-Dichloropropene	<0.58	U
100-41-4	Ethylbenzene	<0.33	U
591-78-6	2-Hexanone	<6.3	U
75-09-2	Methylene Chloride	<0.32	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<6.0	U
100-42-5	Styrene	<0.36	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.41	U
108-88-3	Toluene	<0.29	U
71-55-6	1,1,1-Trichloroethane	<0.30	U
79-00-5	1,1,2-Trichloroethane	<0.34	U
79-01-6	Trichloroethene	<0.32	U
75-01-4	Vinyl chloride	<0.17	U
1330-20-7	Xylene (Total)	<1.0	U

SAMPLE NO.

RM-005S

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 642998.0000PH3 LEMBERGER LF LL

Date Received: 07/08/2025 18:15 Matrix: Water SDG No.: 40298059

Date Extracted: 07/10/2025 15:20 Lab Sample ID: 40298059007

Date Analyzed: 07/10/2025 15:20 Lab File ID: 07102025.B\07102528.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<8.6	~~U~~ UJ
71-43-2	Benzene	<0.30	U
75-27-4	Bromodichloromethane	<0.21	U
75-25-2	Bromoform	<0.43	U
74-83-9	Bromomethane	<1.2	U
78-93-3	2-Butanone (MEK)	<6.5	U
75-15-0	Carbon disulfide	<0.65	U
56-23-5	Carbon tetrachloride	<0.37	U
108-90-7	Chlorobenzene	<0.86	U
75-00-3	Chloroethane	<1.4	U
67-66-3	Chloroform	<0.50	U
74-87-3	Chloromethane	<1.6	U
124-48-1	Dibromochloromethane	<2.6	U
75-34-3	1,1-Dichloroethane	<0.30	U
107-06-2	1,2-Dichloroethane	<0.29	U
75-35-4	1,1-Dichloroethene	<0.58	U
156-59-2	cis-1,2-Dichloroethene	<0.47	U
156-60-5	trans-1,2-Dichloroethene	<0.53	U
78-87-5	1,2-Dichloropropane	<0.45	U
10061-01-5	cis-1,3-Dichloropropene	<0.24	U
10061-02-6	trans-1,3-Dichloropropene	<0.58	U
100-41-4	Ethylbenzene	<0.33	U
591-78-6	2-Hexanone	<6.3	U
75-09-2	Methylene Chloride	<0.32	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<6.0	U
100-42-5	Styrene	<0.36	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.41	U
108-88-3	Toluene	<0.29	U
71-55-6	1,1,1-Trichloroethane	<0.30	U
79-00-5	1,1,2-Trichloroethane	<0.34	U
79-01-6	Trichloroethene	0.40	J
75-01-4	Vinyl chloride	<0.17	U
1330-20-7	Xylene (Total)	<1.0	U

SAMPLE NO.

LH-01

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 642998.0000PH3 LEMBERGER LF LL

Date Received: 07/08/2025 18:15 Matrix: Water SDG No.: 40298059

Date Extracted: 07/10/2025 15:39 Lab Sample ID: 40298059008

Date Analyzed: 07/10/2025 15:39 Lab File ID: 07102025.B\07102529.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<8.6	~~U~~ UJ
71-43-2	Benzene	6.2	
75-27-4	Bromodichloromethane	<0.21	U
75-25-2	Bromoform	<0.43	U
74-83-9	Bromomethane	<1.2	U
78-93-3	2-Butanone (MEK)	<6.5	U
75-15-0	Carbon disulfide	<0.65	U
56-23-5	Carbon tetrachloride	<0.37	U
108-90-7	Chlorobenzene	<0.86	U
75-00-3	Chloroethane	<1.4	U
67-66-3	Chloroform	<0.50	U
74-87-3	Chloromethane	<1.6	U
124-48-1	Dibromochloromethane	<2.6	U
75-34-3	1,1-Dichloroethane	1.9	
107-06-2	1,2-Dichloroethane	<0.29	U
75-35-4	1,1-Dichloroethene	<0.58	U
156-59-2	cis-1,2-Dichloroethene	<0.47	U
156-60-5	trans-1,2-Dichloroethene	<0.53	U
78-87-5	1,2-Dichloropropane	1.0	
10061-01-5	cis-1,3-Dichloropropene	<0.24	U
10061-02-6	trans-1,3-Dichloropropene	<0.58	U
100-41-4	Ethylbenzene	<0.33	U
591-78-6	2-Hexanone	<6.3	U
75-09-2	Methylene Chloride	<0.32	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<6.0	U
100-42-5	Styrene	<0.36	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.41	U
108-88-3	Toluene	0.36	~~J~~ UJ
71-55-6	1,1,1-Trichloroethane	<0.30	U
79-00-5	1,1,2-Trichloroethane	<0.34	U
79-01-6	Trichloroethene	<0.32	U
75-01-4	Vinyl chloride	<0.17	U
1330-20-7	Xylene (Total)	<1.0	U

SAMPLE NO.

TB-001

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 642998.0000PH3 LEMBERGER LF LL

Date Received: 07/08/2025 18:15 Matrix: Water SDG No.: 40298059

Date Extracted: 07/10/2025 10:52 Lab Sample ID: 40298059009

Date Analyzed: 07/10/2025 10:52 Lab File ID: 07102025.B\07102514.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<8.6	~~U~~ UJ
71-43-2	Benzene	<0.30	~~U~~ UJ
75-27-4	Bromodichloromethane	<0.21	~~U~~ UJ
75-25-2	Bromoform	<0.43	~~U~~ UJ
74-83-9	Bromomethane	<1.2	~~U~~ UJ
78-93-3	2-Butanone (MEK)	<6.5	~~U~~ UJ
75-15-0	Carbon disulfide	<0.65	~~U~~ UJ
56-23-5	Carbon tetrachloride	<0.37	~~U~~ UJ
108-90-7	Chlorobenzene	<0.86	~~U~~ UJ
75-00-3	Chloroethane	<1.4	~~U~~ UJ
67-66-3	Chloroform	<0.50	~~U~~ UJ
74-87-3	Chloromethane	<1.6	~~U~~ UJ
124-48-1	Dibromochloromethane	<2.6	~~U~~ UJ
75-34-3	1,1-Dichloroethane	<0.30	~~U~~ UJ
107-06-2	1,2-Dichloroethane	<0.29	~~U~~ UJ
75-35-4	1,1-Dichloroethene	<0.58	~~U~~ UJ
156-59-2	cis-1,2-Dichloroethene	<0.47	~~U~~ UJ
156-60-5	trans-1,2-Dichloroethene	<0.53	~~U~~ UJ
78-87-5	1,2-Dichloropropane	<0.45	~~U~~ UJ
10061-01-5	cis-1,3-Dichloropropene	<0.24	~~U~~ UJ
10061-02-6	trans-1,3-Dichloropropene	<0.58	~~U~~ UJ
100-41-4	Ethylbenzene	<0.33	~~U~~ UJ
591-78-6	2-Hexanone	<6.3	~~U~~ UJ
75-09-2	Methylene Chloride	<0.32	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone (MIBK)	<6.0	~~U~~ UJ
100-42-5	Styrene	<0.36	~~U~~ UJ
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	~~U~~ UJ
127-18-4	Tetrachloroethene	<0.41	~~U~~ UJ
108-88-3	Toluene	<0.29	~~U~~ UJ
71-55-6	1,1,1-Trichloroethane	<0.30	~~U~~ UJ
79-00-5	1,1,2-Trichloroethane	<0.34	~~U~~ UJ
79-01-6	Trichloroethene	<0.32	~~U~~ UJ
75-01-4	Vinyl chloride	<0.17	~~U~~ UJ
1330-20-7	Xylene (Total)	<1.0	~~U~~ UJ

Memorandum

To: Meredith Westover

From: Kristen Morin (Data Reviewer)
Elizabeth Denly (Peer Reviewer)

Date: August 22, 2025

Subject: Data Validation Report
VOC Groundwater Samples/Sentinel Wells: 2nd Quarter 2025
Lemberger Landfill and Transport Recycling/Franklin, Wisconsin
Laboratory Project Number 40298057

SUMMARY

Full validation (Stage 4) was performed on the data for six groundwater samples, one field duplicate, one field blank, and one trip blank from sentinel wells at the Lemberger Landfill and Transport Recycling Facility in Franklin, Wisconsin. The samples were collected on June 28, 2025. Samples were submitted to Pace Analytical Services, LLC in Green Bay, Wisconsin for analysis. The samples were analyzed for volatile organic compounds (VOCs) using SW-846 Method 8260D. The laboratory reported the results under laboratory project number 40298057.

The sample results were assessed using the *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-20-005),* November 2020 and the project-specific quality assurance project plan (QAPP), dated October 2022, Revision 0.

In general, the data are valid as reported and may be used for decision-making purposes. The following issues were noted which have a minor impact on the data usability:

- Select results were reported which were below the lowest calibration standard and quantitation limit (QL); these results were qualified as estimated (J).

- Potential uncertainty exists for the nondetect results for acetone in all samples in this data set due to a continuing calibration (CC) nonconformance. These results were qualified as estimated (UJ).

SAMPLES

Samples included in this review are listed below.

- RM-002D
- RM-210D
- FDUP-001[1]
- RM-003D
- RM-401XXD
- FB-001
- RM-003XXD
- RM-403XD
- TB-001

[1]Field duplicate of RM-003D

REVIEW ELEMENTS

Sample data were reviewed for the following parameters:

- Agreement of analyses conducted with chain-of-custody (COC) requests
- Data completeness
- Holding times and sample preservation
- Gas chromatography/mass spectrometry (GC/MS) tunes
- Initial and continuing calibrations
- Blanks
- Surrogate spike recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) results
- Laboratory control sample (LCS) results
- Internal standard performance
- Field duplicate results
- Quantitation limits (QLs) and sample results
- Target compound identification

DISCUSSION

Agreement of Analyses Conducted with Chain-of-Custody Requests

Sample reports were checked to verify that the results corresponded to analytical requests as designated on the COC. No issues were noted.

Data Completeness

The data package was found to be complete as received from the laboratory with the following exception. The laboratory only spiked a subset of the VOCs which were reported in the samples in the LCS and MS/MSDs. Thus, accuracy and/or precision could not be evaluated for select VOCs. No validation actions were taken on the basis of this issue.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met.

Note that samples were received by the laboratory 10 days after collection. Samples were stored in coolers, on ice, in a locked former treatment building at the site until delivery to the laboratory. No validation actions were required on this basis since the samples were kept on ice prior to delivery to the laboratory and were received on ice by the laboratory.

GC/MS Tunes

The frequency and abundance of all bromofluorobenzene tunes were within the acceptance criteria.

Initial and Continuing Calibrations

The percent relative standard deviations, correlation coefficients, and relative response factors (RRFs) were within the laboratory acceptance criteria in the initial calibration.

All RRFs and percent differences/percent drifts (%Ds) were within the acceptance criteria in the CC with the following exception.

CC	Compound	%D	Validation Actions
19694748CCV	Acetone	31.7015	The nondetect results for acetone were qualified as estimated (UJ) in the associated samples.
Associated Samples: All samples in this data set			

Blanks

Target analytes were not detected in the laboratory method blank or trip blank. The following table summarizes the concentration of the compound that was detected in the field blank, the associated samples, and the resulting validation actions.

Blank	Analyte	Blank Concentration (µg/L)	QL (µg/L)	Validation Actions
FB-001	Toluene	0.40 J	1.0	No validation actions were required on this basis since toluene was not detected in the associated samples.
Associated Samples: RM-002D, RM-003D, RM-003XXD, RM-210D, RM-401XXD, RM-403XD, FDUP-001				

Surrogate Spike Recoveries

The percent recoveries (%Rs) of the surrogates were within the laboratory acceptance criteria for all samples.

MS/MSD Results

MS/MSD analyses were performed on sample RM-003XXD. All criteria were met.

Note that the laboratory only spiked a subset of the VOCs which were reported in the sample in the MS/MSD; thus, accuracy and precision could not be evaluated for the following VOCs (which were not spiked) in the MS/MSD analyses: acetone, 2-butanone, 2-hexanone, and 4-methyl-2-pentanone. No validation action was taken on this basis.

LCS Results

An LCS was performed on each day of analysis. All criteria were met.

Note that the laboratory only spiked a subset of the VOCs that were reported in the samples in the LCS. Thus, accuracy could not be evaluated for the following VOCs (which were not spiked) in the LCS analysis: acetone, 2-butanone, 2-hexanone, and 4-methyl-2-pentanone. No validation action was taken on this basis.

Internal Standard Performance

Internal standards were within the method acceptance criteria in all sample analyses.

Field Duplicate Results

Samples RM-003D and FDUP-001 were submitted as the field duplicate pair with this data set. The relative percent difference (RPD) is not applicable for comparison of results if either concentration is <5x the QL; comparison in this case is based on the absolute difference (AbsD) between the results. The acceptance limits for field duplicates in aqueous media is ≤30% for the RPD and ≤QL for the AbsD. The following table summarizes the detected results, the RPD or AbsD values (as applicable) for the detected analytes in the field duplicate pair, and the resulting validation actions. All criteria were met.

Compound	QL (µg/L)	RM-003D (µg/L)	FDUP-001 (µg/L)	RPD (%) or AbsD (µg/L)	Validation Action
1,1,1-Trichloroethane	1.0	18.0	15.7	RPD = 13.6	None; all criteria were met.
1,1-Dichloroethane	1.0	10.3	9.1	RPD = 12.4	
1,1-Dichloroethene	1.0	1.8	1.6	AbsD = 0.2	
Trichloroethene	1.0	2.8	2.3	AbsD = 0.5	
cis-1,2-Dichloroethene	1.0	2.5	2.3	AbsD = 0.2	

QLs and Sample Results

Sample calculations were spot-checked; there were no errors noted. No dilutions were performed on the samples in this data set.

Select results were reported which were below the lowest calibration standard level and QL (or limit of quantitation [LOQ]). These results were qualified as estimated (J) by the laboratory.

The laboratory's limit of detection (LOD) for select VOCs was above one or both of the project action limits specified in the QAPP; the affected VOCs, project action limits, and current laboratory LODs are summarized in the table below.

Analyte	Affected Samples	WAC Chapter NR 140 PAL (µg/L)	WAC Chapter NR 140 ES (µg/L)	Laboratory LOD (µg/L)
1,1,2,2-Tetrachloroethane	All samples in this data set	0.02	0.2	0.25
Bromodichloromethane		0.06	0.6*	0.21
Bromomethane		1	10*	1.2
cis-1,3-Dichloropropene		0.04	0.4*	0.24
trans-1,3-Dichloropropene		0.04	0.4	0.58
Vinyl chloride		0.02	0.2*	0.17
*Laboratory LOD is below the action limit.				

Target Compound Identification

All criteria were met.

QUALIFIED FORM 1s

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 642998.0000PH3 LEMBERGER LF
Pace Project No.: 40298057

Sample: RM-002D **Lab ID: 40298057001** Collected: 06/28/25 08:47 Received: 07/08/25 18:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**4.9**	ug/L	1.0	0.30	1		07/10/25 11:49	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		07/10/25 11:49	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		07/10/25 11:49	79-00-5	
1,1-Dichloroethane	**3.0**	ug/L	1.0	0.30	1		07/10/25 11:49	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/10/25 11:49	75-35-4	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/10/25 11:49	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/10/25 11:49	78-87-5	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		07/10/25 11:49	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		07/10/25 11:49	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		07/10/25 11:49	108-10-1	
Acetone	**<8.6** UJ	ug/L	25.0	8.6	1		07/10/25 11:49	67-64-1	~~v1~~
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/10/25 11:49	71-43-2	
Bromodichloromethane	**<0.21**	ug/L	1.0	0.21	1		07/10/25 11:49	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		07/10/25 11:49	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/10/25 11:49	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		07/10/25 11:49	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/10/25 11:49	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/10/25 11:49	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/10/25 11:49	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		07/10/25 11:49	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/10/25 11:49	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/10/25 11:49	124-48-1	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/10/25 11:49	100-41-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/10/25 11:49	75-09-2	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/10/25 11:49	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/10/25 11:49	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/10/25 11:49	108-88-3	
Trichloroethene	**1.8**	ug/L	1.0	0.32	1		07/10/25 11:49	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/10/25 11:49	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		07/10/25 11:49	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/10/25 11:49	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		07/10/25 11:49	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/10/25 11:49	156-60-5	
trans-1,3-Dichloropropene	**<0.58**	ug/L	1.0	0.58	1		07/10/25 11:49	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		07/10/25 11:49	2199-69-1	
4-Bromofluorobenzene (S)	91	%	70-130		1		07/10/25 11:49	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		07/10/25 11:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 642998.0000PH3 LEMBERGER LF
Pace Project No.: 40298057

Sample: RM-210D **Lab ID: 40298057002** Collected: 06/28/25 12:00 Received: 07/08/25 18:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**7.6**	ug/L	1.0	0.30	1		07/10/25 12:09	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		07/10/25 12:09	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		07/10/25 12:09	79-00-5	
1,1-Dichloroethane	**4.2**	ug/L	1.0	0.30	1		07/10/25 12:09	75-34-3	
1,1-Dichloroethene	**1.1**	ug/L	1.0	0.58	1		07/10/25 12:09	75-35-4	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/10/25 12:09	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/10/25 12:09	78-87-5	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		07/10/25 12:09	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		07/10/25 12:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		07/10/25 12:09	108-10-1	
Acetone	**<8.6** UJ	ug/L	25.0	8.6	1		07/10/25 12:09	67-64-1	~~v1~~
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/10/25 12:09	71-43-2	
Bromodichloromethane	**<0.21**	ug/L	1.0	0.21	1		07/10/25 12:09	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		07/10/25 12:09	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/10/25 12:09	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		07/10/25 12:09	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/10/25 12:09	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/10/25 12:09	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/10/25 12:09	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		07/10/25 12:09	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/10/25 12:09	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/10/25 12:09	124-48-1	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/10/25 12:09	100-41-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/10/25 12:09	75-09-2	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/10/25 12:09	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/10/25 12:09	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/10/25 12:09	108-88-3	
Trichloroethene	**1.4**	ug/L	1.0	0.32	1		07/10/25 12:09	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/10/25 12:09	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		07/10/25 12:09	1330-20-7	
cis-1,2-Dichloroethene	**2.1**	ug/L	1.0	0.47	1		07/10/25 12:09	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		07/10/25 12:09	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/10/25 12:09	156-60-5	
trans-1,3-Dichloropropene	**<0.58**	ug/L	1.0	0.58	1		07/10/25 12:09	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		07/10/25 12:09	2199-69-1	
4-Bromofluorobenzene (S)	91	%	70-130		1		07/10/25 12:09	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/10/25 12:09	2037-26-5	

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ANALYTICAL RESULTS

Project: 642998.0000PH3 LEMBERGER LF
Pace Project No.: 40298057

Sample: RM-403XD **Lab ID: 40298057003** Collected: 06/28/25 13:23 Received: 07/08/25 18:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**86.4**	ug/L	1.0	0.30	1		07/10/25 12:28	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		07/10/25 12:28	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		07/10/25 12:28	79-00-5	
1,1-Dichloroethane	**56.6**	ug/L	1.0	0.30	1		07/10/25 12:28	75-34-3	
1,1-Dichloroethene	**7.7**	ug/L	1.0	0.58	1		07/10/25 12:28	75-35-4	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/10/25 12:28	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/10/25 12:28	78-87-5	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		07/10/25 12:28	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		07/10/25 12:28	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		07/10/25 12:28	108-10-1	
Acetone	**<8.6** UJ	ug/L	25.0	8.6	1		07/10/25 12:28	67-64-1	~~v1~~
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/10/25 12:28	71-43-2	
Bromodichloromethane	**<0.21**	ug/L	1.0	0.21	1		07/10/25 12:28	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		07/10/25 12:28	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/10/25 12:28	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		07/10/25 12:28	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/10/25 12:28	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/10/25 12:28	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/10/25 12:28	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		07/10/25 12:28	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/10/25 12:28	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/10/25 12:28	124-48-1	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/10/25 12:28	100-41-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/10/25 12:28	75-09-2	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/10/25 12:28	100-42-5	
Tetrachloroethene	**0.88J**	ug/L	1.0	0.41	1		07/10/25 12:28	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/10/25 12:28	108-88-3	
Trichloroethene	**15.7**	ug/L	1.0	0.32	1		07/10/25 12:28	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/10/25 12:28	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		07/10/25 12:28	1330-20-7	
cis-1,2-Dichloroethene	**13.5**	ug/L	1.0	0.47	1		07/10/25 12:28	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		07/10/25 12:28	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/10/25 12:28	156-60-5	
trans-1,3-Dichloropropene	**<0.58**	ug/L	1.0	0.58	1		07/10/25 12:28	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/10/25 12:28	2199-69-1	
4-Bromofluorobenzene (S)	94	%	70-130		1		07/10/25 12:28	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		07/10/25 12:28	2037-26-5	

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ANALYTICAL RESULTS

Project: 642998.0000PH3 LEMBERGER LF
Pace Project No.: 40298057

Sample: RM-003D **Lab ID: 40298057004** Collected: 06/28/25 14:39 Received: 07/08/25 18:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**18.0**	ug/L	1.0	0.30	1		07/10/25 12:47	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		07/10/25 12:47	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		07/10/25 12:47	79-00-5	
1,1-Dichloroethane	**10.3**	ug/L	1.0	0.30	1		07/10/25 12:47	75-34-3	
1,1-Dichloroethene	**1.8**	ug/L	1.0	0.58	1		07/10/25 12:47	75-35-4	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/10/25 12:47	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/10/25 12:47	78-87-5	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		07/10/25 12:47	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		07/10/25 12:47	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		07/10/25 12:47	108-10-1	
Acetone	**<8.6** UJ	ug/L	25.0	8.6	1		07/10/25 12:47	67-64-1	~~v1~~
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/10/25 12:47	71-43-2	
Bromodichloromethane	**<0.21**	ug/L	1.0	0.21	1		07/10/25 12:47	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		07/10/25 12:47	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/10/25 12:47	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		07/10/25 12:47	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/10/25 12:47	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/10/25 12:47	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/10/25 12:47	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		07/10/25 12:47	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/10/25 12:47	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/10/25 12:47	124-48-1	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/10/25 12:47	100-41-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/10/25 12:47	75-09-2	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/10/25 12:47	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/10/25 12:47	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/10/25 12:47	108-88-3	
Trichloroethene	**2.8**	ug/L	1.0	0.32	1		07/10/25 12:47	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/10/25 12:47	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		07/10/25 12:47	1330-20-7	
cis-1,2-Dichloroethene	**2.5**	ug/L	1.0	0.47	1		07/10/25 12:47	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		07/10/25 12:47	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/10/25 12:47	156-60-5	
trans-1,3-Dichloropropene	**<0.58**	ug/L	1.0	0.58	1		07/10/25 12:47	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		07/10/25 12:47	2199-69-1	
4-Bromofluorobenzene (S)	98	%	70-130		1		07/10/25 12:47	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		07/10/25 12:47	2037-26-5	

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ANALYTICAL RESULTS

Project: 642998.0000PH3 LEMBERGER LF
Pace Project No.: 40298057

Sample: RM-003XXD **Lab ID: 40298057005** Collected: 06/28/25 15:36 Received: 07/08/25 18:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**27.7**	ug/L	1.0	0.30	1		07/10/25 11:30	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		07/10/25 11:30	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		07/10/25 11:30	79-00-5	
1,1-Dichloroethane	**24.2**	ug/L	1.0	0.30	1		07/10/25 11:30	75-34-3	
1,1-Dichloroethene	**2.7**	ug/L	1.0	0.58	1		07/10/25 11:30	75-35-4	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/10/25 11:30	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/10/25 11:30	78-87-5	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		07/10/25 11:30	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		07/10/25 11:30	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		07/10/25 11:30	108-10-1	
Acetone	**<8.6** UJ	ug/L	25.0	8.6	1		07/10/25 11:30	67-64-1	~~v1~~
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/10/25 11:30	71-43-2	
Bromodichloromethane	**<0.21**	ug/L	1.0	0.21	1		07/10/25 11:30	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		07/10/25 11:30	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/10/25 11:30	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		07/10/25 11:30	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/10/25 11:30	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/10/25 11:30	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/10/25 11:30	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		07/10/25 11:30	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/10/25 11:30	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/10/25 11:30	124-48-1	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/10/25 11:30	100-41-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/10/25 11:30	75-09-2	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/10/25 11:30	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/10/25 11:30	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/10/25 11:30	108-88-3	
Trichloroethene	**5.8**	ug/L	1.0	0.32	1		07/10/25 11:30	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/10/25 11:30	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		07/10/25 11:30	1330-20-7	
cis-1,2-Dichloroethene	**5.3**	ug/L	1.0	0.47	1		07/10/25 11:30	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		07/10/25 11:30	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/10/25 11:30	156-60-5	
trans-1,3-Dichloropropene	**<0.58**	ug/L	1.0	0.58	1		07/10/25 11:30	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		07/10/25 11:30	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		07/10/25 11:30	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		07/10/25 11:30	2037-26-5	

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ANALYTICAL RESULTS

Project: 642998.0000PH3 LEMBERGER LF
Pace Project No.: 40298057

Sample: RM-401XXD **Lab ID: 40298057006** Collected: 06/28/25 17:05 Received: 07/08/25 18:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**9.4**	ug/L	1.0	0.30	1		07/10/25 13:06	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		07/10/25 13:06	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		07/10/25 13:06	79-00-5	
1,1-Dichloroethane	**7.5**	ug/L	1.0	0.30	1		07/10/25 13:06	75-34-3	
1,1-Dichloroethene	**3.4**	ug/L	1.0	0.58	1		07/10/25 13:06	75-35-4	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/10/25 13:06	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/10/25 13:06	78-87-5	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		07/10/25 13:06	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		07/10/25 13:06	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		07/10/25 13:06	108-10-1	
Acetone	**<8.6** UJ	ug/L	25.0	8.6	1		07/10/25 13:06	67-64-1	~~v1~~
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/10/25 13:06	71-43-2	
Bromodichloromethane	**<0.21**	ug/L	1.0	0.21	1		07/10/25 13:06	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		07/10/25 13:06	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/10/25 13:06	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		07/10/25 13:06	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/10/25 13:06	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/10/25 13:06	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/10/25 13:06	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		07/10/25 13:06	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/10/25 13:06	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/10/25 13:06	124-48-1	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/10/25 13:06	100-41-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/10/25 13:06	75-09-2	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/10/25 13:06	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/10/25 13:06	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/10/25 13:06	108-88-3	
Trichloroethene	**2.5**	ug/L	1.0	0.32	1		07/10/25 13:06	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/10/25 13:06	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		07/10/25 13:06	1330-20-7	
cis-1,2-Dichloroethene	**8.6**	ug/L	1.0	0.47	1		07/10/25 13:06	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		07/10/25 13:06	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/10/25 13:06	156-60-5	
trans-1,3-Dichloropropene	**<0.58**	ug/L	1.0	0.58	1		07/10/25 13:06	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		07/10/25 13:06	2199-69-1	
4-Bromofluorobenzene (S)	93	%	70-130		1		07/10/25 13:06	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		07/10/25 13:06	2037-26-5	

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ANALYTICAL RESULTS

Project: 642998.0000PH3 LEMBERGER LF
Pace Project No.: 40298057

Sample: FDUP-001 **Lab ID: 40298057007** Collected: 06/28/25 00:00 Received: 07/08/25 18:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**15.7**	ug/L	1.0	0.30	1		07/10/25 13:25	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		07/10/25 13:25	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		07/10/25 13:25	79-00-5	
1,1-Dichloroethane	**9.1**	ug/L	1.0	0.30	1		07/10/25 13:25	75-34-3	
1,1-Dichloroethene	**1.6**	ug/L	1.0	0.58	1		07/10/25 13:25	75-35-4	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/10/25 13:25	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/10/25 13:25	78-87-5	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		07/10/25 13:25	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		07/10/25 13:25	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		07/10/25 13:25	108-10-1	
Acetone	**<8.6** UJ	ug/L	25.0	8.6	1		07/10/25 13:25	67-64-1	~~v1~~
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/10/25 13:25	71-43-2	
Bromodichloromethane	**<0.21**	ug/L	1.0	0.21	1		07/10/25 13:25	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		07/10/25 13:25	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/10/25 13:25	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		07/10/25 13:25	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/10/25 13:25	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/10/25 13:25	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/10/25 13:25	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		07/10/25 13:25	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/10/25 13:25	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/10/25 13:25	124-48-1	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/10/25 13:25	100-41-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/10/25 13:25	75-09-2	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/10/25 13:25	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/10/25 13:25	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/10/25 13:25	108-88-3	
Trichloroethene	**2.3**	ug/L	1.0	0.32	1		07/10/25 13:25	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/10/25 13:25	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		07/10/25 13:25	1330-20-7	
cis-1,2-Dichloroethene	**2.3**	ug/L	1.0	0.47	1		07/10/25 13:25	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		07/10/25 13:25	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/10/25 13:25	156-60-5	
trans-1,3-Dichloropropene	**<0.58**	ug/L	1.0	0.58	1		07/10/25 13:25	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	117	%	70-130		1		07/10/25 13:25	2199-69-1	
4-Bromofluorobenzene (S)	98	%	70-130		1		07/10/25 13:25	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		07/10/25 13:25	2037-26-5	

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ANALYTICAL RESULTS

Project: 642998.0000PH3 LEMBERGER LF
Pace Project No.: 40298057

Sample: FB-001 **Lab ID: 40298057008** Collected: 06/28/25 22:00 Received: 07/08/25 18:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/10/25 10:14	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		07/10/25 10:14	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		07/10/25 10:14	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/10/25 10:14	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/10/25 10:14	75-35-4	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/10/25 10:14	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/10/25 10:14	78-87-5	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		07/10/25 10:14	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		07/10/25 10:14	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		07/10/25 10:14	108-10-1	
Acetone	**<8.6** UJ	ug/L	25.0	8.6	1		07/10/25 10:14	67-64-1	~~v1~~
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/10/25 10:14	71-43-2	
Bromodichloromethane	**<0.21**	ug/L	1.0	0.21	1		07/10/25 10:14	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		07/10/25 10:14	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/10/25 10:14	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		07/10/25 10:14	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/10/25 10:14	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/10/25 10:14	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/10/25 10:14	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		07/10/25 10:14	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/10/25 10:14	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/10/25 10:14	124-48-1	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/10/25 10:14	100-41-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/10/25 10:14	75-09-2	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/10/25 10:14	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/10/25 10:14	127-18-4	
Toluene	**0.40J**	ug/L	1.0	0.29	1		07/10/25 10:14	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/10/25 10:14	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/10/25 10:14	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		07/10/25 10:14	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/10/25 10:14	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		07/10/25 10:14	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/10/25 10:14	156-60-5	
trans-1,3-Dichloropropene	**<0.58**	ug/L	1.0	0.58	1		07/10/25 10:14	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/10/25 10:14	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		07/10/25 10:14	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		07/10/25 10:14	2037-26-5	

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ANALYTICAL RESULTS

Project: 642998.0000PH3 LEMBERGER LF
Pace Project No.: 40298057

Sample: TB-001 **Lab ID: 40298057009** Collected: 06/28/25 00:00 Received: 07/08/25 18:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/10/25 10:33	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		07/10/25 10:33	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		07/10/25 10:33	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/10/25 10:33	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/10/25 10:33	75-35-4	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/10/25 10:33	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/10/25 10:33	78-87-5	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		07/10/25 10:33	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		07/10/25 10:33	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		07/10/25 10:33	108-10-1	
Acetone	**<8.6** UJ	ug/L	25.0	8.6	1		07/10/25 10:33	67-64-1	~~v1~~
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/10/25 10:33	71-43-2	
Bromodichloromethane	**<0.21**	ug/L	1.0	0.21	1		07/10/25 10:33	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		07/10/25 10:33	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/10/25 10:33	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		07/10/25 10:33	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/10/25 10:33	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/10/25 10:33	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/10/25 10:33	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		07/10/25 10:33	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/10/25 10:33	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/10/25 10:33	124-48-1	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/10/25 10:33	100-41-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/10/25 10:33	75-09-2	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/10/25 10:33	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/10/25 10:33	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/10/25 10:33	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/10/25 10:33	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/10/25 10:33	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		07/10/25 10:33	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/10/25 10:33	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		07/10/25 10:33	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/10/25 10:33	156-60-5	
trans-1,3-Dichloropropene	**<0.58**	ug/L	1.0	0.58	1		07/10/25 10:33	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		1		07/10/25 10:33	2199-69-1	
4-Bromofluorobenzene (S)	97	%	70-130		1		07/10/25 10:33	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		07/10/25 10:33	2037-26-5	

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Attachment 2

Table of Wisconsin Administrative Code Chapter NR 140 Groundwater Quality Standards (Enforcement Standards [ESs], Preventive Action Limits [PALs], Maximum Contaminant Levels [MCLs], and Secondary Maximum Contaminant Levels [SMCLs]) for the Pertinent Parameters

Attachment 2
Groundwater Quality Standards

Parameter Name	Units	MCL	SMCL	NR PAL	NR ES
1,1,1,2-Tetrachloroethane	µg/L			7	70
1,1,1-Trichloroethane	µg/L	200		40	200
1,1,2-Trichloroethane	µg/L	5		0.5	5
1,1-Dichloroethane	µg/L			85	850
1,1-Dichloroethene	µg/L	7		0.7	7
1,2,3-Trichloropropane	µg/L			12	60
1,2,4-Trichlorobenzene	µg/L	70		14	70
1,2-Dichlorobenzene	µg/L	600		60	600
1,2-Dichloroethane	µg/L	5		0.5	5
1,2-Dichloropropane	µg/L	5		0.5	5
1,4-Dichlorobenzene	µg/L	75		15	75
2,3,7,8-TCDD	ng/L	0.03		0.003	0.03
Alpha-chlordane	µg/L	2		0.2	2
Anthracene	µg/L			600	3000
Antimony, dissolved	µg/L	6		1.2	6
Antimony, total	µg/L	6		1.2	6
Aroclor-1016	µg/L	0.5		0.003	0.03
Aroclor-1221	µg/L	0.5		0.003	0.03
Aroclor-1232	µg/L	0.5		0.003	0.03
Aroclor-1242	µg/L	0.5		0.003	0.03
Aroclor-1248	µg/L	0.5		0.003	0.03
Aroclor-1254	µg/L	0.5		0.003	0.03
Aroclor-1260	µg/L	0.5		0.003	0.03
Arsenic, dissolved	µg/L	10		1	10
Arsenic, total	µg/L	10		1	10
Barium, dissolved	µg/L	2000		400	2000
Barium, total	µg/L	2000		400	2000
Bentazon	µg/L			60	300
Benzene	µg/L	5		0.5	5
Benzo(a)pyrene	µg/L	0.2		0.02	0.2
Benzo(b)fluoranthene	µg/L			0.02	0.2
Beryllium, dissolved	µg/L	4		0.4	4
Beryllium, total	µg/L	4		0.4	4
bis(2-ethylhexyl)Phthalate	µg/L	6		0.6	6
Cadmium, dissolved	µg/L	5		0.5	5
Cadmium, total	µg/L	5		0.5	5

Attachment 2 (continued)
Groundwater Quality Standards

Parameter Name	Units	MCL	SMCL	NR PAL	NR ES
Carbon disulfide	µg/L			200	1000
Carbon tetrachloride	µg/L	5		0.5	5
Chlordane, technical	µg/L	2		0.2	2
Chloride	mg/L		250	125	250
Chlorobenzene	µg/L	100		20	100
Chromium, dissolved	µg/L	100		10	100
Chromium, total	µg/L	100		10	100
Chrysene	µg/L			0.02	0.2
cis-1,2-Dichloroethene	µg/L	70		7	70
Cobalt, dissolved	µg/L			8	40
Cobalt, total	µg/L			8	40
Copper, dissolved	µg/L	1300	1000	130	1300
Copper, total	µg/L	1300	1000	130	1300
Cyanazine	µg/L			0.1	1
Cyanide, total	mg/L	0.2		0.04	0.2
Di-n-butylphthalate	µg/L			100	1000
Endrin	µg/L	2		0.4	2
Ethylbenzene	µg/L	700		140	700
Fluoranthene	µg/L			80	400
Gamma-BHC (lindane)	µg/L	0.2		0.02	0.2
Gamma-chlordane	µg/L	2		0.2	2
Heptachlor	µg/L	0.4		0.04	0.4
Heptachlor epoxide	µg/L	0.2		0.02	0.2
Hexachlorobenzene	µg/L	1		0.1	1
Hydrogen sulfide	µg/L			6	30
Iron, dissolved	µg/L		300	150	300
Iron, total	µg/L		300	150	300
Lead, dissolved	µg/L	15		1.5	15
Lead, total	µg/L	15		1.5	15
Manganese, dissolved	µg/L		50	60	300
Manganese, total	µg/L		50	60	300
Mercury, dissolved	µg/L	2		0.2	2
Mercury, total	µg/L	2		0.2	2
Methanol	µg/L			1000	5000
Methoxychlor	µg/L	40		4	40
Methylene chloride	µg/L	5		0.5	5

Attachment 2 (continued)
Groundwater Quality Standards

Parameter Name	Units	MCL	SMCL	NR PAL	NR ES
N-hexane	µg/L			120	600
Nickel, dissolved	µg/L			20	100
Nickel, total	µg/L			20	100
Nitrogen, ammonia	mg/L			0.97	9.7
N-nitrosodiphenylamine	µg/L			0.7	7
Pentachlorophenol	µg/L	1		0.1	1
Prometon	µg/L			20	100
Pyrene	µg/L			50	250
Pyridine	µg/L			2	10
Selenium, dissolved	µg/L	50		10	50
Selenium, total	µg/L	50		10	50
Silver, dissolved	µg/L		100	10	50
Silver, total	µg/L		100	10	50
Styrene	µg/L	100		10	100
Tetrachloroethene	µg/L	5		0.5	5
Thallium, dissolved	µg/L	2		0.4	2
Thallium, total	µg/L	2		0.4	2
Toluene	µg/L	1000		160	800
Toxaphene	µg/L	3		0.3	3
trans-1,2-Dichloroethene	µg/L	100		20	100
Trichloroethene	µg/L	5		0.5	5
Trimethylbenzenes, total	µg/L			96	480
Vanadium, dissolved	µg/L			6	30
Vanadium, total	µg/L			6	30
Vinyl chloride	µg/L	2		0.02	0.2
Xylenes, total	µg/L	10000		400	2000
Zinc, dissolved	µg/L		5000	2500	5000
Zinc, total	µg/L		5000	2500	5000

Note:
Table updated June 2025 to reflect November 2024 register #827 (WDNR) and latest USEPA MCLs.

(1) MCL, ES, and PAL apply to total PCBs.

Attachment 3

Tabular Summary of Analytical Results at Each Monitoring Well

LEMBERGER LANDFILL
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS
JUNE 2025

PARAMETER	UNITS	LH-01 6/28/2025 40298059008	LH-03 6/29/2025 40298059001	LW-07 6/29/2025 40298059002	RM-002D 6/28/2025 40298057001	RM-003D 6/28/2025 40298057004	RM-003D DUP 6/28/2025 40298057007	RM-003XXD 6/28/2025 40298057005
1,1,1-TRICHLOROETHANE	UG/L	< 0.30	< 0.30	< 0.30	4.9	18.0	15.7	27.7
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,1,2-TRICHLOROETHANE	UG/L	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-DICHLOROETHANE	UG/L	1.9	< 0.30	< 0.30	3.0	10.3	9.1	24.2
1,1-DICHLOROETHENE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	1.8	1.6	2.7
1,2-DICHLOROETHANE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-DICHLOROPROPANE	UG/L	1.0	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
2-BUTANONE	UG/L	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5
2-HEXANONE	UG/L	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3
4-METHYL-2-PENTANONE	UG/L	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
ACETONE	UG/L	< 8.6 v1uj	< 8.6 v1uj	< 8.6 v1uj	< 8.6 v1uj	< 8.6 v1uj	< 8.6 v1uj	< 8.6 v1uj
BENZENE	UG/L	6.2	3.3	14.8	< 0.30	< 0.30	< 0.30	< 0.30
BROMODICHLOROMETHANE	UG/L	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
BROMOFORM	UG/L	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43
BROMOMETHANE	UG/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
CARBON DISULFIDE	UG/L	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65
CARBON TETRACHLORIDE	UG/L	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
CHLOROBENZENE	UG/L	< 0.86	3.3	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
CHLOROFORM	UG/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
CHLOROMETHANE	UG/L	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
CIS-1,2-DICHLOROETHENE	UG/L	< 0.47	< 0.47	< 0.47	< 0.47	2.5	2.3	5.3
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
ETHYLBENZENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
METHYLENE CHLORIDE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
STYRENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
TETRACHLOROETHENE	UG/L	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
TOLUENE	UG/L	0.36 Juj	< 0.29	0.34 Juj	< 0.29	< 0.29	< 0.29	< 0.29
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
TRICHLOROETHENE	UG/L	< 0.32	< 0.32	< 0.32	1.8	2.8	2.3	5.8
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.0	< 1.0	2.5 J	< 1.0	< 1.0	< 1.0	< 1.0

NOTES:
Laboratory data qualifiers are included in Attachment 4. See specific laboratory report for Sample Delivery Group (SDG) definition.
Non-detect results are reported as "< Limit of Detection (LOD)"
Data Validation Qualifiers:
u = data validation rules result as not detected
j = the result is estimated

LEMBERGER LANDFILL
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS
JUNE 2025

PARAMETER	UNITS	RM-005S 6/28/2025 40298059007	RM-207S 6/29/2025 40298059004	RM-207S DUP 6/29/2025 40298059006	RM-208S 6/29/2025 40298059003	RM-210D 6/28/2025 40298057002	RM-401XXD 6/28/2025 40298057006	RM-403XD 6/28/2025 40298057003
1,1,1-TRICHLOROETHANE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	7.6	9.4	86.4
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,1,2-TRICHLOROETHANE	UG/L	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-DICHLOROETHANE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	4.2	7.5	56.6
1,1-DICHLOROETHENE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	1.1	3.4	7.7
1,2-DICHLOROETHANE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-DICHLOROPROPANE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
2-BUTANONE	UG/L	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5
2-HEXANONE	UG/L	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3
4-METHYL-2-PENTANONE	UG/L	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
ACETONE	UG/L	< 8.6 v1uj	< 8.6 v1uj	< 8.6 v1uj	< 8.6 v1uj	< 8.6 v1uj	< 8.6 v1uj	< 8.6 v1uj
BENZENE	UG/L	< 0.30	< 0.30	< 0.30	0.81 J	< 0.30	< 0.30	< 0.30
BROMODICHLOROMETHANE	UG/L	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
BROMOFORM	UG/L	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43
BROMOMETHANE	UG/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
CARBON DISULFIDE	UG/L	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65
CARBON TETRACHLORIDE	UG/L	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
CHLOROBENZENE	UG/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
CHLOROFORM	UG/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
CHLOROMETHANE	UG/L	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
CIS-1,2-DICHLOROETHENE	UG/L	< 0.47	< 0.47	< 0.47	< 0.47	2.1	8.6	13.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
ETHYLBENZENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
METHYLENE CHLORIDE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
STYRENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
TETRACHLOROETHENE	UG/L	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	0.88 J
TOLUENE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
TRICHLOROETHENE	UG/L	0.40 J	< 0.32	< 0.32	< 0.32	1.4	2.5	15.7
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

NOTES:
Laboratory data qualifiers are included in Attachment 4. See specific laboratory report for Sample Delivery Group (SDG) definition.
Non-detect results are reported as "< Limit of Detection (LOD)"
Data Validation Qualifiers:
u = data validation rules result as not detected
j = the result is estimated

LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
JUNE 2025

PARAMETER	UNITS	LH-01 6/28/2025 40298059008	LH-03 6/29/2025 40298059001	LH-06 6/28/2025 40298059X02	LW-07 6/29/2025 40298059002	RM-002D 6/28/2025 40298057001	RM-003D 6/28/2025 40298057004	RM-003XXD 6/28/2025 40298057005
COLOR, FIELD		NONE	NONE		NONE	NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	3678	1530		1804	611	740	815
DEPTH TO LEACHATE	FEET	32.53	35.00	32.57	8.44			
DEPTH TO WATER	FEET					23.60	17.52	15.23
DISSOLVED OXYGEN, FIELD	MG/L	2.29	2.97		2.24	1.23	2.08	1.65
LEACHATE HEAD ELEVATION	FEET	836.25	837.11	846.52	834.9			
ODOR, FIELD		NONE	NONE		NONE	NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	-136	-108		-168	106	128	174
PH, FIELD	SU	6.64	7.28		6.65	7.23	7.25	7.25
TEMPERATURE	DEG C	11.4	10.2		10.5	8.8	9.8	10.1
TURBIDITY, FIELD NTU	NTU	8	7		7	5	0	0
WATER ELEVATION	FEET					792.11	802.61	806.3
WELL DRY				00000				
WELL OBSTRUCTED								

LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
JUNE 2025

PARAMETER	UNITS	RM-004D 6/28/2025 W250628001	RM-005S 6/28/2025 40298059007	RM-010D 6/28/2025 W250628002	RM-206S 6/28/2025 40298059X01	RM-207S 6/29/2025 40298059004	RM-208S 6/29/2025 40298059003
COLOR, FIELD			NONE			NONE	BROWN
CONDUCTANCE, SPECIFIC	UMHOS/CM		694			735	1283
DEPTH TO LEACHATE	FEET						
DEPTH TO WATER	FEET	55.02	6.92	45.09	9.27	8.08	12.38
DISSOLVED OXYGEN, FIELD	MG/L		1.35			1.35	5.14
LEACHATE HEAD ELEVATION	FEET						
ODOR, FIELD			NONE			NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV		17			-85	-157
PH, FIELD	SU		7.11			7.34	7.75
TEMPERATURE	DEG C		9.4			7.9	13.6
TURBIDITY, FIELD NTU	NTU		6			7	499
WATER ELEVATION	FEET	804.07	837.09	804.48	835.85	831.86	826.99
WELL DRY							
WELL OBSTRUCTED					00000		

LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
JUNE 2025

PARAMETER	UNITS	RM-210D 6/28/2025 40298057002	RM-301S 6/28/2025 W250628003	RM-302S 6/28/2025 W250628004	RM-305D 6/28/2025 W250628005	RM-401XXD 6/28/2025 40298057006	RM-403XD 6/28/2025 40298057003
COLOR, FIELD		NONE				NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	720				776	878
DEPTH TO LEACHATE	FEET						
DEPTH TO WATER	FEET	30.67	9.11	4.33	54.82	26.66	38.07
DISSOLVED OXYGEN, FIELD	MG/L	1.80				1.46	1.16
LEACHATE HEAD ELEVATION	FEET						
ODOR, FIELD		NONE				NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	172				174	201
PH, FIELD	SU	7.31				7.38	7.41
TEMPERATURE	DEG C	9.2				9.7	9.6
TURBIDITY, FIELD NTU	NTU	9				0	0
WATER ELEVATION	FEET	797.19	852.54	850.74	813.13	806.19	806.43
WELL DRY							
WELL OBSTRUCTED							

Attachment 4

Laboratory Data Qualifiers for Monitoring Wells

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 642998.0000PH3 LEMBERGER LF LL
Pace Project No.: 40298059

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - The reported result is an estimated value.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

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without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 642998.0000PH3 LEMBERGER LF
Pace Project No.: 40298057

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - The reported result is an estimated value.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

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Attachment 5

Tabular Summary of Groundwater Standard Exceedances at Plume Monitoring Wells

Summary of Groundwater Standard Exceedances at Plume Monitoring Wells
Lemberger Landfill Sites
2nd Quarter 2025

Well ID	Parameter	Result	Data Qualifiers	Units	Standard[1]		Well Location
					ES[2]	PAL[3]	
RM-002D	TRICHLOROETHENE	1.8		UG/L		X	2,900' northwest of LL site
RM-003D	1,1-DICHLOROETHENE	1.8		UG/L		X	1,000' west of LL site
RM-003D	TRICHLOROETHENE	2.8		UG/L		X	1,000' west of LL site
RM-003D DUP	1,1-DICHLOROETHENE	1.6		UG/L		X	1,000' west of LL site
RM-003D DUP	TRICHLOROETHENE	2.3		UG/L		X	1,000' west of LL site
RM-003XXD	1,1-DICHLOROETHENE	2.7		UG/L		X	1,000' west of LL site
RM-003XXD	TRICHLOROETHENE	5.8		UG/L	X		1,000' west of LL site
RM-208S	BENZENE	0.81	J	UG/L		X	Southwest side of LL site
RM-210D	1,1-DICHLOROETHENE	1.1		UG/L		X	3,600' north of LL site
RM-210D	TRICHLOROETHENE	1.4		UG/L		X	3,600' north of LL site
RM-401XXD	1,1-DICHLOROETHENE	3.4		UG/L		X	400' Northwest of LL Site
RM-401XXD	CIS-1,2-DICHLOROETHENE	8.6		UG/L		X	400' Northwest of LL Site
RM-401XXD	TRICHLOROETHENE	2.5		UG/L		X	400' Northwest of LL Site
RM-403XD	1,1,1-TRICHLOROETHANE	86.4		UG/L		X	400' West of LTR site
RM-403XD	1,1-DICHLOROETHENE	7.7		UG/L	X		400' West of LTR site
RM-403XD	CIS-1,2-DICHLOROETHENE	13.5		UG/L		X	400' West of LTR site
RM-403XD	TETRACHLOROETHENE	0.88	J	UG/L		X	400' West of LTR site
RM-403XD	TRICHLOROETHENE	15.7		UG/L	X		400' West of LTR site

Notes:

[1] Table includes exceedances where the reported concentration is between the Limit of Detection and Limit of Quantitation ("J' data qualifier).

[2] ES =Wisconsin Administrative Code NR140 Enforcement Standard

[3] PAL =Wisconsin Administrative Code NR140 Preventive Action Limit

[4] LTR = Lemberger Transport and Recycling

[5] LL = Lemberger Landfill

Laboratory qualifiers are included in the sample-specific laboratory reports. See laboratory reports for the SDG-specific definitions.

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Environmental Monitoring Data Certification

Form 4400-231 (R 5/17)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5, Wisconsin Department of Natural Resources, P.O. Box 7921, Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)
TRC Environmental Corp.

Contact for questions about data formatting. Include data preparer's name, telephone number and Email address:

Name	Phone No. (include area code)
Meredith Westover	(608) 358-5035

Email
mwestover@trccompanies.com

Facility Name
Lemberger Landfill

License # / Monitoring ID	Facility ID (FID)
00753	436016790

Actual sampling dates (e.g., July 2-6, 2003)	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
6/28 and 6/29, 2025	April, May, June 2025

Type of Data Submitted (Check all that apply):

- [X] Groundwater monitoring data from monitoring wells
- [ ] Groundwater monitoring data from private water supply wells
- [X] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [ ] Other (specify):

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [X] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Facility Representative **Name (Print)**	Title	Phone No. (include area code)
Meredith Westover	Database Manager	(608) 358-5035

M.W. — Signature

8/27/2025 — Date **Signed (mm/dd/yyyy)**

For DNR Use Only

Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] Found uploading problems on _____ Initials
- [ ] Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): [ ] Diskette [ ] CD (initial submittal and follow-up) [ ] E-mail (follow-up only) [ ] Other: _____