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September 8, 2021

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

Subject: Transmittal of Data  
Residential, Plume Monitoring, and Background Wells  
Lemberger Landfill Sites  
First Quarter 2021

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 copies provided to the WDNR and the USEPA, for their use. Groundwater samples were collected during March 2021, 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

Ms. Demaree Collier  
USEPA Region 5  
September 8, 2021  
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cc: B.J. LeRoy – WDNR  
Brian Potts – Perkins Coie, LLP  
Kristin Jones – Newell Rubbermaid  
Troy Adams – Manitowoc Public Utilities  
Scott Karbon – Manitowoc Public Utilities  
James Wallner – Red Arrow Products  
James Cook – Manitowoc Cranes  
Kathleen McDaniel – City of Manitowoc  
David Dougherty – Subterranean Research, Inc.  
John Lang – EHS Support, LLC  
Tom Sullivan – 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:** Kristen Morin (Data Reviewer)  
Elizabeth Denly (Peer Reviewer)

**Date:** May 26, 2021

**Subject:** Data Validation Report  
VOC Groundwater Samples: 1<sup>st</sup> Quarter 2021  
Lemberger Landfill and Lemberger Transport and Recycling/Franklin, Wisconsin  
Laboratory Project Numbers 40224274, 40224275, 40224276

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### SUMMARY

Full validation (level IV) or limited validation (level III) was performed on the data for 18 groundwater samples, two field blanks, and two trip blanks collected at the Lemberger Landfill and Lemberger Transport and Recycling Site in Franklin, Wisconsin. The samples were collected on March 25, 26, 29, and 30, 2021. 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 8260B. The laboratory reported the results under laboratory project numbers 40224274, 40224275, and 40224276.

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 September 2011, Revision 1.

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 positive and/or nondetect results for select compounds in all samples due to continuing calibration nonconformances. These results were qualified as estimated (J/UJ).
- Potential uncertainty exists for the positive results for 1,1,1-trichloroethane in samples RM-003XXD and FDUP-001, and all positive results in samples RM-005D and FDUP-002 due to field duplicate variability. These results were qualified as estimated (J).

### SAMPLES

Samples included in this review are listed below:

Laboratory Project Number 40224274\*: sentinel wells collected 3/25 – 3/26/21

- RM-002D
- RM-003D
- RM-003XXD

- RM-210D
- FDUP-001<sup>1</sup>
- RM-401XXD
- FB-001
- RM-403XD
- TB-001 (03/26/21)

Laboratory Project Number 40224275<sup>\*\*</sup>: plume wells collected 3/26 and 3/29/21

- RM-008D
- RM-401XD
- RM-204D
- RM-402XD
- RM-211D
- RM-402XXD

Laboratory Project Number 40224276<sup>\*\*</sup>: plume wells collected 3/30/21

- RM-005D
- RM-307D
- TB-001 (03/31/21)
- RM-007XD
- FDUP-002<sup>2</sup>
- RM-208D
- FB-002

<sup>1</sup> Field duplicate of RM-003XXD

<sup>2</sup> Field duplicate of RM-005D

\* Full validation (level IV) was performed.

\*\* Limited validation (level III) was performed.

## 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
- Target compound identification (level IV validation only)

## 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 packages were found to be complete as received from the laboratory with the following exceptions.

- 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.
- The laboratory did not summarize the surrogate results for the 5-fold diluted analysis of sample RM-007XD on a form; the surrogate recoveries were manually calculated using the raw data for this sample.
- The laboratory did not provide daily method blank or LCS results for the analyses of all VOCs in sample RM-005D and 1,1,1-trichloroethane in sample RM-007XD.

No validation actions were taken on the basis of these issues.

### 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 were properly preserved.

Note that samples were not received by the laboratory until one to five days after collection. As indicated by the field sampler in previous rounds of sampling, when not shipped to the laboratory on the day of collection, samples are 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 acceptable cooler temperatures 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, coefficients of determination, and relative response factors (RRFs) were within the laboratory acceptance criteria in the initial calibrations.

All RRFs were within the acceptance criteria in the continuing calibrations (CCs). The following table summarizes the percent differences or percent drifts (%Ds) which were outside of the laboratory acceptance criteria in the CCs and the associated samples.

CC	Compound	%D	Associated Samples	Validation Actions
40MSVA 04/01/21 @1032	Acetone	-21.5196	RM-002D, RM-003D, RM-003XXD, RM-210D, RM-401XXD, RM-403XD, FDUP-001, FB-001, TB-001 (03/26/21), RM-008D, RM-204D, RM-211D, RM-401XD, RM-402XD, RM-402XXD, FB-002, RM-307D, RM-007XD (undiluted), FDUP-002	The positive and/or nondetect results for the listed VOCs were qualified as estimated (J/UJ) in the associated samples.
	Bromoform	-22.7533		
	2-Butanone (MEK)	-22.0421		
	Chloromethane	-24.4013		
	2-Hexanone	-29.9867		
	4-Methyl-2-pentanone (MIBK)	-27.5001		
40MSV8 04/02/21 @0712	Bromomethane	24.0884	TB-001 (03/30/21), RM-208D	

CC	Compound	%D	Associated Samples	Validation Actions
40MSVA 04/02/21 @0638	Bromoform	-20.1728	RM-005D, RM-007XD (diluted analysis)*	The nondetect results for the listed VOCs were qualified as estimated (UJ) in sample RM-005D.  *Qualification was not required for this sample since the listed VOCs were reported from a different analysis which had acceptable CC %Ds.
	Chloromethane	-20.7239		
	2-Hexanone	-30.7135		
	4-Methyl-2-pentanone (MIBK)	-29.8326		

### Blanks

A method blank was performed each day prior to sample analysis with the following exception. The laboratory did not provide daily method blank results for all VOCs in sample RM-005D and 1,1,1-trichloroethane in sample RM-007XD; the laboratory reported a batch method blank that was analyzed >12 hours prior to these samples. The results for VOCs in the batch method blank associated with these samples were used to evaluate the results. No validation action was taken on this basis.

Target analytes were not detected in the trip blanks or method blanks. The following table summarizes the concentrations of the compounds that were detected in the field blanks, the associated samples, and the resulting validation actions.

Compound	Blank Concentration (µg/L)	QL (µg/L)	Blank ID: Associated Samples	Validation Actions
Acetone	2.9 J	20	FB-001: RM-002D, RM-003D, RM-003XXD, RM-210D, RM-401XXD, RM-403XD, FDUP-001	No qualification was required since acetone and toluene were not detected in the associated samples.
Toluene	2.1	1.0		
Acetone	3.2 J	20	FB-002: RM-005D, RM-007XD, RM-208D, RM-307D, FDUP-002	
Toluene	2.1	1.0		

### 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 samples RM-208D and RM-003D. The %R and relative percent difference (RPD) criteria were met.

Note that the laboratory only spiked a subset of the VOCs which were reported in the samples in the MS/MSDs. Thus, accuracy and precision could not be evaluated for the following VOCs (which were not spiked) in groundwater samples RM-208D and RM-003D: 2-butanone, 2-hexanone, 4-methyl-2-pentanone, and acetone. No validation action was taken on this basis.

## LCS Results

An LCS was performed each day prior to sample analysis with the following exception. The laboratory did not provide daily LCS results for all VOCs in sample RM-005D and 1,1,1-trichloroethane in sample RM-007XD; the laboratory reported a batch LCS that was analyzed >12 hours prior to these samples. The results for VOCs in the batch LCS associated with these samples were used to evaluate the results. No validation action was taken on this basis. All %R 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: 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 following samples were submitted as the field duplicate pairs with this data set:

- RM-003XXD and FDUP-001
- RM-005D and FDUP-002

The following tables summarize the RPDs or absolute differences (AbsDs) of the detected VOC results in the field duplicate pairs and the validation actions.

Compound	QL (µg/L)	RM-003XXD (µg/L)	FDUP-001 (µg/L)	AbsD (µg/L)	Validation Action
1,1,1-Trichloroethane	1.0	3.8	5.7	AbsD = 1.9	The positive results for 1,1,1-trichloroethane were qualified as estimated (J) in samples RM-003XXD and FDUP-001.
1,1-Dichloroethane	1.0	1.3	2.0	AbsD = 0.7	None; all criteria were met.
1,1-Dichloroethene	1.0	0.33 J	0.56 J	AbsD = 0.23	
Trichloroethene	1.0	0.95 J	1.2	AbsD = 0.25	
cis-1,2-Dichloroethene	1.0	0.55 J	0.92 J	AbsD = 0.37	

Compound	QL (µg/L)	RM-005D (µg/L)	FDUP-002 (µg/L)	RPD (%) or AbsD (µg/L)	Validation Action
1,1,1-Trichloroethane	1.0	21.9	33.6	42.2	The positive results for the listed compounds were qualified as estimated (J) in samples RM-005D and FDUP-002.
1,1-Dichloroethane	1.0	14.6	22.4	42.2	
1,1-Dichloroethene	1.0	3.0	5.0	AbsD = 2.0	
Trichloroethene	1.0	3.4	5.5	AbsD = 2.1	
cis-1,2-Dichloroethene	1.0	6.7	10.2	41.4	

### Criteria:

- When both results are  $\geq 5x$  the QL, RPDs must be  $\leq 35\%$ .
- When one or both results are  $< 5x$  the QL, AbsD must be  $<$  the QL.



### Quantitation Limits and Sample Results

Sample calculations were spot-checked; there were no errors noted. A 5-fold dilution was performed on sample RM-007XD due to the concentration of 1,1,1-trichloroethane which exceeded the calibration range in the undiluted analysis. The laboratory combined the results of the undiluted and diluted analyses in order to report all results within calibration range and with the lowest possible QLs.

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.

Compound	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	0.28
1,1,2-Trichloroethane		0.5	5*	0.55
Bromodichloromethane		0.06	0.6*	0.36
Bromoform		0.44	4.4*	4
Carbon tetrachloride		0.5	5*	1.1
Chloroform		0.6	6*	1.3
cis-1,3-Dichloropropene		0.02	0.2	3.6
Methylene chloride		0.5	5*	0.58
trans-1,3-Dichloropropene		0.02	0.2	4.4
Vinyl chloride		0.02	0.2*	0.17

\* Laboratory LOD is below action limit

### Target Compound Identification (Level IV Validation Only)

All criteria were met.

# **QUALIFIED FORM 1s**

## ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

**Sample: RM-002D**      **Lab ID: 40224274001**      Collected: 03/25/21 09:16      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	8.0	ug/L	1.0	0.24	1		04/01/21 15:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:02	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 15:02	79-00-5	
1,1-Dichloroethane	6.8	ug/L	1.0	0.27	1		04/01/21 15:02	75-34-3	
1,1-Dichloroethene	0.94J	ug/L	1.0	0.24	1		04/01/21 15:02	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:02	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:02	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 15:02	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 15:02	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 15:02	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 15:02	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 15:02	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 15:02	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 15:02	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 15:02	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 15:02	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 15:02	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 15:02	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 15:02	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 15:02	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 15:02	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 15:02	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 15:02	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 15:02	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 15:02	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 15:02	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 15:02	108-88-3	
Trichloroethene	1.9	ug/L	1.0	0.26	1		04/01/21 15:02	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 15:02	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 15:02	1330-20-7	
cis-1,2-Dichloroethene	1.5	ug/L	1.0	0.27	1		04/01/21 15:02	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 15:02	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 15:02	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 15:02	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/01/21 15:02	460-00-4	
Dibromofluoromethane (S)	127	%	70-130		1		04/01/21 15:02	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 15:02	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

**Sample: RM-210D**      **Lab ID: 40224274002**      Collected: 03/25/21 12:00      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	8.7	ug/L	1.0	0.24	1		04/01/21 15:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:24	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 15:24	79-00-5	
1,1-Dichloroethane	4.7	ug/L	1.0	0.27	1		04/01/21 15:24	75-34-3	
1,1-Dichloroethene	1.1	ug/L	1.0	0.24	1		04/01/21 15:24	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:24	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:24	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 15:24	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 15:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 15:24	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 15:24	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 15:24	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 15:24	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 15:24	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 15:24	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 15:24	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 15:24	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 15:24	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 15:24	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 15:24	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 15:24	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 15:24	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 15:24	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 15:24	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 15:24	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 15:24	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 15:24	108-88-3	
Trichloroethene	1.6	ug/L	1.0	0.26	1		04/01/21 15:24	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 15:24	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 15:24	1330-20-7	
cis-1,2-Dichloroethene	2.2	ug/L	1.0	0.27	1		04/01/21 15:24	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 15:24	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 15:24	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 15:24	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/01/21 15:24	460-00-4	
Dibromofluoromethane (S)	126	%	70-130		1		04/01/21 15:24	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		04/01/21 15:24	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER  
Pace Project No.: 40224274

**Sample: RM-403XD**      **Lab ID: 40224274003**      Collected: 03/25/21 13:57      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	96.2	ug/L	1.0	0.24	1		04/01/21 15:47	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:47	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 15:47	79-00-5	
1,1-Dichloroethane	57.1	ug/L	1.0	0.27	1		04/01/21 15:47	75-34-3	
1,1-Dichloroethene	7.3	ug/L	1.0	0.24	1		04/01/21 15:47	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:47	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:47	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 15:47	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 15:47	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 15:47	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 15:47	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 15:47	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 15:47	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 15:47	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 15:47	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 15:47	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 15:47	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 15:47	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 15:47	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 15:47	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 15:47	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 15:47	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 15:47	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 15:47	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 15:47	100-42-5	
Tetrachloroethene	0.97J	ug/L	1.1	0.33	1		04/01/21 15:47	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 15:47	108-88-3	
Trichloroethene	14.8	ug/L	1.0	0.26	1		04/01/21 15:47	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 15:47	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 15:47	1330-20-7	
cis-1,2-Dichloroethene	15.0	ug/L	1.0	0.27	1		04/01/21 15:47	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 15:47	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 15:47	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 15:47	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/01/21 15:47	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1		04/01/21 15:47	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 15:47	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

**Sample: RM-401XXD**      **Lab ID: 40224274004**      Collected: 03/26/21 08:14      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	5.4	ug/L	1.0	0.24	1		04/01/21 16:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:09	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 16:09	79-00-5	
1,1-Dichloroethane	2.9	ug/L	1.0	0.27	1		04/01/21 16:09	75-34-3	
1,1-Dichloroethene	1.6	ug/L	1.0	0.24	1		04/01/21 16:09	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:09	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:09	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 16:09	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 16:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 16:09	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 16:09	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 16:09	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 16:09	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 16:09	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 16:09	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 16:09	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 16:09	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 16:09	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 16:09	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 16:09	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 16:09	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 16:09	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 16:09	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 16:09	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 16:09	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 16:09	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 16:09	108-88-3	
Trichloroethene	1.1	ug/L	1.0	0.26	1		04/01/21 16:09	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 16:09	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 16:09	1330-20-7	
cis-1,2-Dichloroethene	4.2	ug/L	1.0	0.27	1		04/01/21 16:09	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 16:09	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 16:09	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 16:09	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/01/21 16:09	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		04/01/21 16:09	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 16:09	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

**Sample: RM-003D**      **Lab ID: 40224274005**      Collected: 03/26/21 13:17      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	41.0	ug/L	1.0	0.24	1		04/01/21 14:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 14:39	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 14:39	79-00-5	
1,1-Dichloroethane	22.8	ug/L	1.0	0.27	1		04/01/21 14:39	75-34-3	
1,1-Dichloroethene	3.9	ug/L	1.0	0.24	1		04/01/21 14:39	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 14:39	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 14:39	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 14:39	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 14:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 14:39	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 14:39	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 14:39	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 14:39	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 14:39	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 14:39	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 14:39	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 14:39	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 14:39	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 14:39	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 14:39	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 14:39	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 14:39	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 14:39	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 14:39	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 14:39	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 14:39	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 14:39	108-88-3	
Trichloroethene	6.4	ug/L	1.0	0.26	1		04/01/21 14:39	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 14:39	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 14:39	1330-20-7	
cis-1,2-Dichloroethene	7.3	ug/L	1.0	0.27	1		04/01/21 14:39	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 14:39	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 14:39	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 14:39	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/01/21 14:39	460-00-4	
Dibromofluoromethane (S)	128	%	70-130		1		04/01/21 14:39	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		04/01/21 14:39	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER  
Pace Project No.: 40224274

**Sample: RM-003XXD**      **Lab ID: 40224274006**      Collected: 03/26/21 14:35      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	3.8 J	ug/L	1.0	0.24	1		04/01/21 16:32	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:32	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 16:32	79-00-5	
1,1-Dichloroethane	1.3	ug/L	1.0	0.27	1		04/01/21 16:32	75-34-3	
1,1-Dichloroethene	0.33J	ug/L	1.0	0.24	1		04/01/21 16:32	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:32	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:32	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 16:32	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 16:32	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 16:32	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 16:32	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 16:32	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 16:32	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 16:32	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 16:32	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 16:32	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 16:32	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 16:32	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 16:32	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 16:32	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 16:32	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 16:32	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 16:32	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 16:32	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 16:32	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 16:32	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 16:32	108-88-3	
Trichloroethene	0.95J	ug/L	1.0	0.26	1		04/01/21 16:32	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 16:32	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 16:32	1330-20-7	
cis-1,2-Dichloroethene	0.55J	ug/L	1.0	0.27	1		04/01/21 16:32	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 16:32	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 16:32	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 16:32	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/01/21 16:32	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1		04/01/21 16:32	1868-53-7	
Toluene-d8 (S)	109	%	70-130		1		04/01/21 16:32	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

Sample: **FDUP-001** Lab ID: **40224274007** Collected: 03/26/21 00:00 Received: 03/31/21 17:06 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	5.7 J	ug/L	1.0	0.24	1		04/01/21 16:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:54	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 16:54	79-00-5	
1,1-Dichloroethane	2.0	ug/L	1.0	0.27	1		04/01/21 16:54	75-34-3	
1,1-Dichloroethene	0.56J	ug/L	1.0	0.24	1		04/01/21 16:54	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:54	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:54	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 16:54	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 16:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 16:54	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 16:54	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 16:54	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 16:54	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 16:54	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 16:54	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 16:54	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 16:54	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 16:54	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 16:54	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 16:54	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 16:54	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 16:54	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 16:54	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 16:54	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 16:54	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 16:54	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 16:54	108-88-3	
Trichloroethene	1.2	ug/L	1.0	0.26	1		04/01/21 16:54	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 16:54	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 16:54	1330-20-7	
cis-1,2-Dichloroethene	0.92J	ug/L	1.0	0.27	1		04/01/21 16:54	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 16:54	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 16:54	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 16:54	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/01/21 16:54	460-00-4	
Dibromofluoromethane (S)	130	%	70-130		1		04/01/21 16:54	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		04/01/21 16:54	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

**Sample: FB-001**      **Lab ID: 40224274008**      Collected: 03/26/21 16:00      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/01/21 13:32	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 13:32	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 13:32	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/01/21 13:32	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/01/21 13:32	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 13:32	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 13:32	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 13:32	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 13:32	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 13:32	108-10-1	
Acetone	2.9J-- J	ug/L	20.0	2.7	1		04/01/21 13:32	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 13:32	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 13:32	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 13:32	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 13:32	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 13:32	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 13:32	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 13:32	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 13:32	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 13:32	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 13:32	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 13:32	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 13:32	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 13:32	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 13:32	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 13:32	127-18-4	
Toluene	2.1	ug/L	1.0	0.27	1		04/01/21 13:32	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/01/21 13:32	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 13:32	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 13:32	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/01/21 13:32	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 13:32	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 13:32	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 13:32	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/01/21 13:32	460-00-4	
Dibromofluoromethane (S)	120	%	70-130		1		04/01/21 13:32	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 13:32	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

**Sample: TB-001**      **Lab ID: 40224274009**      Collected: 03/26/21 01:00      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/01/21 13:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 13:54	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 13:54	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/01/21 13:54	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/01/21 13:54	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 13:54	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 13:54	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 13:54	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 13:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 13:54	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 13:54	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 13:54	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 13:54	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 13:54	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 13:54	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 13:54	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 13:54	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 13:54	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 13:54	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 13:54	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 13:54	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 13:54	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 13:54	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 13:54	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 13:54	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 13:54	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 13:54	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/01/21 13:54	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 13:54	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 13:54	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/01/21 13:54	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 13:54	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 13:54	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 13:54	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/01/21 13:54	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1		04/01/21 13:54	1868-53-7	
Toluene-d8 (S)	109	%	70-130		1		04/01/21 13:54	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224275

Sample: RM-401XD Lab ID: 40224275001 Collected: 03/26/21 09:58 Received: 03/31/21 17:06 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	24.3	ug/L	1.0	0.24	1		04/01/21 17:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 17:17	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 17:17	79-00-5	
1,1-Dichloroethane	15.7	ug/L	1.0	0.27	1		04/01/21 17:17	75-34-3	
1,1-Dichloroethene	3.6	ug/L	1.0	0.24	1		04/01/21 17:17	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 17:17	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 17:17	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 17:17	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 17:17	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 17:17	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 17:17	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 17:17	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 17:17	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 17:17	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 17:17	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 17:17	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 17:17	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 17:17	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 17:17	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 17:17	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 17:17	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 17:17	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 17:17	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 17:17	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 17:17	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 17:17	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 17:17	108-88-3	
Trichloroethene	3.8	ug/L	1.0	0.26	1		04/01/21 17:17	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 17:17	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 17:17	1330-20-7	
cis-1,2-Dichloroethene	6.9	ug/L	1.0	0.27	1		04/01/21 17:17	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 17:17	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 17:17	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 17:17	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/01/21 17:17	460-00-4	
Dibromofluoromethane (S)	130	%	70-130		1		04/01/21 17:17	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 17:17	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224275

**Sample: RM-211D**      **Lab ID: 40224275002**      Collected: 03/26/21 11:51      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.1	ug/L	1.0	0.24	1		04/01/21 17:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 17:39	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 17:39	79-00-5	
1,1-Dichloroethane	0.89J	ug/L	1.0	0.27	1		04/01/21 17:39	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/01/21 17:39	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 17:39	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 17:39	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 17:39	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 17:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 17:39	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 17:39	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 17:39	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 17:39	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 17:39	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 17:39	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 17:39	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 17:39	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 17:39	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 17:39	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 17:39	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 17:39	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 17:39	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 17:39	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 17:39	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 17:39	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 17:39	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 17:39	108-88-3	
Trichloroethene	0.33J	ug/L	1.0	0.26	1		04/01/21 17:39	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 17:39	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 17:39	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/01/21 17:39	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 17:39	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 17:39	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 17:39	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/01/21 17:39	460-00-4	
Dibromofluoromethane (S)	126	%	70-130		1		04/01/21 17:39	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 17:39	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER  
Pace Project No.: 40224275

Sample: RM-008D Lab ID: 40224275003 Collected: 03/29/21 08:21 Received: 03/31/21 17:06 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	27.8	ug/L	1.0	0.24	1		04/01/21 18:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:02	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 18:02	79-00-5	
1,1-Dichloroethane	9.5	ug/L	1.0	0.27	1		04/01/21 18:02	75-34-3	
1,1-Dichloroethene	1.3	ug/L	1.0	0.24	1		04/01/21 18:02	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:02	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:02	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 18:02	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 18:02	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 18:02	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 18:02	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 18:02	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 18:02	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 18:02	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 18:02	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 18:02	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 18:02	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 18:02	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 18:02	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 18:02	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 18:02	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 18:02	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 18:02	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 18:02	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 18:02	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 18:02	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 18:02	108-88-3	
Trichloroethene	4.5	ug/L	1.0	0.26	1		04/01/21 18:02	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 18:02	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 18:02	1330-20-7	
cis-1,2-Dichloroethene	5.6	ug/L	1.0	0.27	1		04/01/21 18:02	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 18:02	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 18:02	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 18:02	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/01/21 18:02	460-00-4	
Dibromofluoromethane (S)	129	%	70-130		1		04/01/21 18:02	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 18:02	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER  
Pace Project No.: 40224275

Sample: RM-402XXD Lab ID: 40224275004 Collected: 03/29/21 09:53 Received: 03/31/21 17:06 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	28.8	ug/L	1.0	0.24	1		04/01/21 18:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:24	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 18:24	79-00-5	
1,1-Dichloroethane	15.7	ug/L	1.0	0.27	1		04/01/21 18:24	75-34-3	
1,1-Dichloroethene	3.4	ug/L	1.0	0.24	1		04/01/21 18:24	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:24	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:24	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 18:24	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 18:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 18:24	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 18:24	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 18:24	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 18:24	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 18:24	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 18:24	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 18:24	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 18:24	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 18:24	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 18:24	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 18:24	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 18:24	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 18:24	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 18:24	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 18:24	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 18:24	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 18:24	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 18:24	108-88-3	
Trichloroethene	6.3	ug/L	1.0	0.26	1		04/01/21 18:24	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 18:24	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 18:24	1330-20-7	
cis-1,2-Dichloroethene	7.8	ug/L	1.0	0.27	1		04/01/21 18:24	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 18:24	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 18:24	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 18:24	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/01/21 18:24	460-00-4	
Dibromofluoromethane (S)	127	%	70-130		1		04/01/21 18:24	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		04/01/21 18:24	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224275

Sample: RM-402XD Lab ID: 40224275005 Collected: 03/29/21 11:00 Received: 03/31/21 17:06 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	153	ug/L	1.0	0.24	1		04/01/21 18:47	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:47	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 18:47	79-00-5	
1,1-Dichloroethane	53.1	ug/L	1.0	0.27	1		04/01/21 18:47	75-34-3	
1,1-Dichloroethene	27.0	ug/L	1.0	0.24	1		04/01/21 18:47	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:47	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:47	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 18:47	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 18:47	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 18:47	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 18:47	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 18:47	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 18:47	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 18:47	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 18:47	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 18:47	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 18:47	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 18:47	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 18:47	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 18:47	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 18:47	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 18:47	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 18:47	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 18:47	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 18:47	100-42-5	
Tetrachloroethene	0.80J	ug/L	1.1	0.33	1		04/01/21 18:47	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 18:47	108-88-3	
Trichloroethene	17.4	ug/L	1.0	0.26	1		04/01/21 18:47	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 18:47	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 18:47	1330-20-7	
cis-1,2-Dichloroethene	23.1	ug/L	1.0	0.27	1		04/01/21 18:47	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 18:47	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 18:47	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 18:47	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/01/21 18:47	460-00-4	
Dibromofluoromethane (S)	125	%	70-130		1		04/01/21 18:47	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		04/01/21 18:47	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER  
Pace Project No.: 40224275

**Sample: RM-204D**      **Lab ID: 40224275006**      Collected: 03/29/21 15:19      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	17.0	ug/L	1.0	0.24	1		04/01/21 19:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:09	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 19:09	79-00-5	
1,1-Dichloroethane	10.4	ug/L	1.0	0.27	1		04/01/21 19:09	75-34-3	
1,1-Dichloroethene	1.4	ug/L	1.0	0.24	1		04/01/21 19:09	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:09	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:09	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 19:09	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 19:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 19:09	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 19:09	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 19:09	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 19:09	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 19:09	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 19:09	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 19:09	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 19:09	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 19:09	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 19:09	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 19:09	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 19:09	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 19:09	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 19:09	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 19:09	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 19:09	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 19:09	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 19:09	108-88-3	
Trichloroethene	2.1	ug/L	1.0	0.26	1		04/01/21 19:09	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 19:09	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 19:09	1330-20-7	
cis-1,2-Dichloroethene	2.3	ug/L	1.0	0.27	1		04/01/21 19:09	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 19:09	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 19:09	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 19:09	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/01/21 19:09	460-00-4	
Dibromofluoromethane (S)	126	%	70-130		1		04/01/21 19:09	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		04/01/21 19:09	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER  
Pace Project No.: 40224276

**Sample: RM-307D**      **Lab ID: 40224276001**      Collected: 03/30/21 09:11      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	72.2	ug/L	1.0	0.24	1		04/01/21 19:31	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:31	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 19:31	79-00-5	
1,1-Dichloroethane	9.8	ug/L	1.0	0.27	1		04/01/21 19:31	75-34-3	
1,1-Dichloroethene	3.2	ug/L	1.0	0.24	1		04/01/21 19:31	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:31	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:31	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 19:31	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 19:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 19:31	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 19:31	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 19:31	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 19:31	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 19:31	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 19:31	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 19:31	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 19:31	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 19:31	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 19:31	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 19:31	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 19:31	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 19:31	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 19:31	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 19:31	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 19:31	100-42-5	
Tetrachloroethene	0.76J	ug/L	1.1	0.33	1		04/01/21 19:31	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 19:31	108-88-3	
Trichloroethene	6.2	ug/L	1.0	0.26	1		04/01/21 19:31	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 19:31	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 19:31	1330-20-7	
cis-1,2-Dichloroethene	1.2	ug/L	1.0	0.27	1		04/01/21 19:31	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 19:31	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 19:31	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 19:31	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/01/21 19:31	460-00-4	
Dibromofluoromethane (S)	129	%	70-130		1		04/01/21 19:31	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 19:31	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224276

**Sample: RM-007XD**      **Lab ID: 40224276002**      Collected: 03/30/21 10:32      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	209	ug/L	5.0	1.2	5		04/02/21 08:07	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:54	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 19:54	79-00-5	
1,1-Dichloroethane	213	ug/L	1.0	0.27	1		04/01/21 19:54	75-34-3	
1,1-Dichloroethene	34.3	ug/L	1.0	0.24	1		04/01/21 19:54	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:54	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:54	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 19:54	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 19:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 19:54	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 19:54	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 19:54	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 19:54	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 19:54	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 19:54	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 19:54	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 19:54	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 19:54	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 19:54	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 19:54	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 19:54	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 19:54	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 19:54	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 19:54	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 19:54	100-42-5	
Tetrachloroethene	2.8	ug/L	1.1	0.33	1		04/01/21 19:54	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 19:54	108-88-3	
Trichloroethene	58.1	ug/L	1.0	0.26	1		04/01/21 19:54	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 19:54	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 19:54	1330-20-7	
cis-1,2-Dichloroethene	86.1	ug/L	1.0	0.27	1		04/01/21 19:54	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 19:54	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 19:54	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 19:54	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/01/21 19:54	460-00-4	
Dibromofluoromethane (S)	124	%	70-130		1		04/01/21 19:54	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		04/01/21 19:54	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224276

Sample: RM-208D Lab ID: 40224276003 Collected: 03/30/21 11:58 Received: 03/31/21 17:06 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	10.8	ug/L	1.0	0.24	1		04/02/21 11:56	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/02/21 11:56	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/02/21 11:56	79-00-5	
1,1-Dichloroethane	6.2	ug/L	1.0	0.27	1		04/02/21 11:56	75-34-3	
1,1-Dichloroethene	2.1	ug/L	1.0	0.24	1		04/02/21 11:56	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/02/21 11:56	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/02/21 11:56	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/02/21 11:56	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/02/21 11:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/02/21 11:56	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/02/21 11:56	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/02/21 11:56	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/02/21 11:56	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/02/21 11:56	75-25-2	
Bromomethane	<0.97 UJ	ug/L	5.0	0.97	1		04/02/21 11:56	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/02/21 11:56	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/02/21 11:56	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/02/21 11:56	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/02/21 11:56	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/02/21 11:56	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/02/21 11:56	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/02/21 11:56	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/02/21 11:56	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/02/21 11:56	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/02/21 11:56	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/02/21 11:56	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/02/21 11:56	108-88-3	
Trichloroethene	2.9	ug/L	1.0	0.26	1		04/02/21 11:56	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/02/21 11:56	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/02/21 11:56	1330-20-7	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	0.27	1		04/02/21 11:56	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/02/21 11:56	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/02/21 11:56	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/02/21 11:56	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/02/21 11:56	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		04/02/21 11:56	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/02/21 11:56	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224276

Sample: RM-005D Lab ID: 40224276004 Collected: 03/30/21 14:00 Received: 03/31/21 17:06 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	21.9 J	ug/L	1.0	0.24	1		04/02/21 07:44	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/02/21 07:44	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/02/21 07:44	79-00-5	
1,1-Dichloroethane	14.6 J	ug/L	1.0	0.27	1		04/02/21 07:44	75-34-3	
1,1-Dichloroethene	3.0 J	ug/L	1.0	0.24	1		04/02/21 07:44	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/02/21 07:44	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/02/21 07:44	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/02/21 07:44	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/02/21 07:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/02/21 07:44	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/02/21 07:44	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/02/21 07:44	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/02/21 07:44	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/02/21 07:44	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/02/21 07:44	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/02/21 07:44	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/02/21 07:44	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/02/21 07:44	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/02/21 07:44	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/02/21 07:44	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/02/21 07:44	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/02/21 07:44	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/02/21 07:44	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/02/21 07:44	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/02/21 07:44	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/02/21 07:44	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/02/21 07:44	108-88-3	
Trichloroethene	3.4 J	ug/L	1.0	0.26	1		04/02/21 07:44	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/02/21 07:44	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/02/21 07:44	1330-20-7	
cis-1,2-Dichloroethene	6.7 J	ug/L	1.0	0.27	1		04/02/21 07:44	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/02/21 07:44	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/02/21 07:44	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/02/21 07:44	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/02/21 07:44	460-00-4	
Dibromofluoromethane (S)	127	%	70-130		1		04/02/21 07:44	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/02/21 07:44	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224276

**Sample: FDUP-002**      **Lab ID: 40224276005**      Collected: 03/30/21 00:00      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	33.6 J	ug/L	1.0	0.24	1		04/01/21 20:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 20:39	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 20:39	79-00-5	
1,1-Dichloroethane	22.4 J	ug/L	1.0	0.27	1		04/01/21 20:39	75-34-3	
1,1-Dichloroethene	5.0 J	ug/L	1.0	0.24	1		04/01/21 20:39	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 20:39	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 20:39	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 20:39	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 20:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 20:39	108-10-1	
Acetone	<2.7 UJ	ug/L	20.0	2.7	1		04/01/21 20:39	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 20:39	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 20:39	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 20:39	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 20:39	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 20:39	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 20:39	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 20:39	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 20:39	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 20:39	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 20:39	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 20:39	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 20:39	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 20:39	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 20:39	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 20:39	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 20:39	108-88-3	
Trichloroethene	5.5 J	ug/L	1.0	0.26	1		04/01/21 20:39	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 20:39	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 20:39	1330-20-7	
cis-1,2-Dichloroethene	10.2 J	ug/L	1.0	0.27	1		04/01/21 20:39	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 20:39	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 20:39	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 20:39	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/01/21 20:39	460-00-4	
Dibromofluoromethane (S)	130	%	70-130		1		04/01/21 20:39	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 20:39	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224276

Sample: **FB-002** Lab ID: **40224276006** Collected: 03/30/21 15:00 Received: 03/31/21 17:06 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/01/21 14:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 14:17	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 14:17	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/01/21 14:17	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/01/21 14:17	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 14:17	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 14:17	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		04/01/21 14:17	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		04/01/21 14:17	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		04/01/21 14:17	108-10-1	
Acetone	3.2J-- J	ug/L	20.0	2.7	1		04/01/21 14:17	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 14:17	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 14:17	75-27-4	
Bromoform	<4.0 UJ	ug/L	13.2	4.0	1		04/01/21 14:17	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 14:17	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 14:17	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 14:17	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 14:17	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 14:17	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 14:17	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		04/01/21 14:17	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 14:17	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 14:17	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 14:17	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 14:17	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 14:17	127-18-4	
Toluene	2.1	ug/L	1.0	0.27	1		04/01/21 14:17	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/01/21 14:17	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 14:17	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 14:17	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/01/21 14:17	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 14:17	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 14:17	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 14:17	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/01/21 14:17	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1		04/01/21 14:17	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		04/01/21 14:17	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224276

Sample: TB-001 Lab ID: 40224276007 Collected: 03/30/21 00:00 Received: 03/31/21 17:06 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/02/21 10:21	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/02/21 10:21	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/02/21 10:21	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/02/21 10:21	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/02/21 10:21	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/02/21 10:21	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/02/21 10:21	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/02/21 10:21	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/02/21 10:21	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/02/21 10:21	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/02/21 10:21	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/02/21 10:21	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/02/21 10:21	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/02/21 10:21	75-25-2	
Bromomethane	<0.97 UJ	ug/L	5.0	0.97	1		04/02/21 10:21	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/02/21 10:21	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/02/21 10:21	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/02/21 10:21	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/02/21 10:21	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/02/21 10:21	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/02/21 10:21	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/02/21 10:21	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/02/21 10:21	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/02/21 10:21	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/02/21 10:21	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/02/21 10:21	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/02/21 10:21	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/02/21 10:21	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/02/21 10:21	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/02/21 10:21	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/02/21 10:21	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/02/21 10:21	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/02/21 10:21	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/02/21 10:21	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/02/21 10:21	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		04/02/21 10:21	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/02/21 10:21	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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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-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**

<b>Parameter Name</b>	<b>Units</b>	<b>MCL</b>	<b>SMCL</b>	<b>NR PAL</b>	<b>NR ES</b>
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**

<b>Parameter Name</b>	<b>Units</b>	<b>MCL</b>	<b>SMCL</b>	<b>NR PAL</b>	<b>NR ES</b>
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 February 2021 to reflect January 2020 register (WDNR) and latest USEPA MCLs.

### **Attachment 3**

## **Tabular Summary of Analytical Results at Each Monitoring Well**

**LEMBERGER LANDFILL**  
**MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS**  
**MARCH 2021**

PARAMETER	UNITS	RM-002D	RM-003D	RM-003XXD	RM-003XXD DUP	RM-005D	RM-005D DUP	RM-007XD	RM-008D	RM-204D
		3/25/2021 40224274001	3/26/2021 40224274005	3/26/2021 40224274006	3/26/2021 40224274007	3/30/2021 40224276004	3/30/2021 40224276005	3/30/2021 40224276002	3/29/2021 40224275003	3/29/2021 40224275006
1,1,1-TRICHLOROETHANE	UG/L	8.0	41.0	3.8 j	5.7 j	21.9 j	33.6 j	209	27.8	17.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-TRICHLOROETHANE	UG/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-DICHLOROETHANE	UG/L	6.8	22.8	1.3	2.0	14.6 j	22.4 j	213	9.5	10.4
1,1-DICHLOROETHENE	UG/L	0.94 J	3.9	0.33 J	0.56 J	3.0 j	5.0 j	34.3	1.3	1.4
1,2-DICHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-DICHLOROPROPANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-BUTANONE	UG/L	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9 uj
2-HEXANONE	UG/L	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj
4-METHYL-2-PENTANONE	UG/L	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj
ACETONE	UG/L	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7 uj
BENZENE	UG/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
BROMODICHLOROMETHANE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
BROMOFORM	UG/L	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj
BROMOMETHANE	UG/L	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
CARBON DISULFIDE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
CARBON TETRACHLORIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CHLOROBENZENE	UG/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROFORM	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROMETHANE	UG/L	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj
CIS-1,2-DICHLOROETHENE	UG/L	1.5	7.3	0.55 J	0.92 J	6.7 j	10.2 j	86.1	5.6	2.3
CIS-1,3-DICHLOROPROPENE	UG/L	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
ETHYLBENZENE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
METHYLENE CHLORIDE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
STYRENE	UG/L	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
TETRACHLOROETHENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	2.8	< 0.33	< 0.33
TOLUENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
TRANS-1,3-DICHLOROPROPENE	UG/L	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
TRICHLOROETHENE	UG/L	1.9	6.4	0.95 J	1.2	3.4 j	5.5 j	58.1	4.5	2.1
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

**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:

j = the result is estimated

u = data validation rules result is not-detected.



**LEMBERGER LANDFILL  
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS  
MARCH 2021**

PARAMETER	UNITS	RM-208D	RM-210D	RM-211D	RM-307D	RM-401XD	RM-401XXD	RM-402XD	RM-402XXD	RM-403XD
		3/30/2021 40224276003	3/25/2021 40224274002	3/26/2021 40224275002	3/30/2021 40224276001	3/26/2021 40224275001	3/26/2021 40224274004	3/29/2021 40224275005	3/29/2021 40224275004	3/25/2021 40224274003
1,1,1-TRICHLOROETHANE	UG/L	10.8	8.7	2.1	72.2	24.3	5.4	153	28.8	96.2
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-TRICHLOROETHANE	UG/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-DICHLOROETHANE	UG/L	6.2	4.7	0.89 J	9.8	15.7	2.9	53.1	15.7	57.1
1,1-DICHLOROETHENE	UG/L	2.1	1.1	< 0.24	3.2	3.6	1.6	27.0	3.4	7.3
1,2-DICHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-DICHLOROPROPANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-BUTANONE	UG/L	< 2.9	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9 uj
2-HEXANONE	UG/L	< 5.2	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj
4-METHYL-2-PENTANONE	UG/L	< 4.6	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj
ACETONE	UG/L	< 2.7	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7 uj
BENZENE	UG/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
BROMODICHLOROMETHANE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
BROMOFORM	UG/L	< 4.0	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj
BROMOMETHANE	UG/L	< 0.97 uj	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
CARBON DISULFIDE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
CARBON TETRACHLORIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CHLOROBENZENE	UG/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROFORM	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROMETHANE	UG/L	< 2.2	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj
CIS-1,2-DICHLOROETHENE	UG/L	5.0	2.2	< 0.27	1.2	6.9	4.2	23.1	7.8	15.0
CIS-1,3-DICHLOROPROPENE	UG/L	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
ETHYLBENZENE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
METHYLENE CHLORIDE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
STYRENE	UG/L	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
TETRACHLOROETHENE	UG/L	< 0.33	< 0.33	< 0.33	0.76 J	< 0.33	< 0.33	0.80 J	< 0.33	0.97 J
TOLUENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
TRANS-1,3-DICHLOROPROPENE	UG/L	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
TRICHLOROETHENE	UG/L	2.9	1.6	0.33 J	6.2	3.8	1.1	17.4	6.3	14.8
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

**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:

j = the result is estimated

u = data validation rules result is not-detected.

**LEMBERGER LANDFILL**  
**MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA**  
**MARCH 2021**

PARAMETER	UNITS	RM-002D	RM-003D	RM-003XXD	RM-005D	RM-007XD	RM-008D	RM-204D	RM-208D
		3/25/2021 40224274001	3/26/2021 40224274005	3/26/2021 40224274006	3/30/2021 40224276004	3/30/2021 40224276002	3/29/2021 40224275003	3/29/2021 40224275006	3/30/2021 40224276003
COLOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	553	773	771	808	998	891	729	759
DEPTH TO WATER	FEET	23.37	17.84	15.26	42.18	36.14	38.48	29.07	38.53
DISSOLVED OXYGEN, FIELD	MG/L	3.36	1.97	2.27	2.03	2.07	4.14	0.62	1.81
ODOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	50	149	148	161	190	164	117	198
PH, FIELD	SU	7.33	7.28	7.47	7.76	7.57	7.68	7.68	7.76
TEMPERATURE	DEG C	6.9	9.7	8.8	9.3	8.8	9.0	8.8	9.4
TURBIDITY, FIELD NTU	NTU	7	0	0	0	0	0	6	0
WATER ELEVATION	FEET	792.34	802.29	806.27	800.9	808.05	807	799.41	801.38

**LEMBERGER LANDFILL**  
**MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA**  
**MARCH 2021**

PARAMETER	UNITS	RM-210D	RM-211D	RM-307D	RM-401XD	RM-401XXD	RM-402XD	RM-402XXD	RM-403XD
		3/25/2021 40224274002	3/26/2021 40224275002	3/30/2021 40224276001	3/26/2021 40224275001	3/26/2021 40224274004	3/29/2021 40224275005	3/29/2021 40224275004	3/25/2021 40224274003
COLOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	741	709	800	781	738	1191	808	939
DEPTH TO WATER	FEET	29.62	16.65	47.27	31.54	26.57	35.33	35.70	38.13
DISSOLVED OXYGEN, FIELD	MG/L	0.87	0.89	4.44	1.80	3.47	2.58	3.49	2.45
ODOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	111	110	156	272	264	235	226	219
PH, FIELD	SU	7.21	7.45	7.47	7.57	7.94	7.57	7.73	7.76
TEMPERATURE	DEG C	7.3	9.3	8.5	8.6	9.0	8.4	7.3	7.9
TURBIDITY, FIELD NTU	NTU	7	0	6	2	0	0	0	0
WATER ELEVATION	FEET	798.24	803.7	806.67	802.06	806.28	806.74	806.52	806.37

**Attachment 4**  
**Laboratory Data Qualifiers for Monitoring Wells**

## QUALIFIERS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

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### 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 - Estimated concentration at or above the LOD and below the LOQ.

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.

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 - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## QUALIFIERS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224275

---

### DEFINITIONS

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

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

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 - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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.

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## QUALIFIERS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224276

---

### 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 - Estimated concentration at or above the LOD and below the LOQ.

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.

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 - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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.

## REPORT OF LABORATORY ANALYSIS

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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  
1st Quarter 2021**

Well ID	Parameter	Result	Data Qualifiers	Units	Standard <sup>1</sup>		Well Location
					ES <sup>2</sup>	PAL <sup>3</sup>	
RM-002D	1,1-Dichloroethene	0.94	J	UG/L		X	2,900' northwest of LL site
RM-002D	Trichloroethene	1.9		UG/L		X	2,900' northwest of LL site
RM-003D	1,1,1-Trichloroethane	41		UG/L		X	1,000' west of LL site
RM-003D	1,1-Dichloroethene	3.9		UG/L		X	1,000' west of LL site
RM-003D	cis-1,2-Dichloroethene	7.3		UG/L		X	1,000' west of LL site
RM-003D	Trichloroethene	6.4		UG/L	X		1,000' west of LL site
RM-003XXD	Trichloroethene	0.95	J	UG/L		X	1,000' west of LL site
RM-003XXD DUP	Trichloroethene	1.2		UG/L		X	1,000' west of LL site
RM-005D	1,1-Dichloroethene	3	j	UG/L		X	Northwest side of LL site
RM-005D	Trichloroethene	3.4	j	UG/L		X	Northwest side of LL site
RM-005D DUP	1,1-Dichloroethene	5	j	UG/L		X	Northwest side of LL site
RM-005D DUP	cis-1,2-Dichloroethene	10.2	j	UG/L		X	Northwest side of LL site
RM-005D DUP	Trichloroethene	5.5	j	UG/L	X		Northwest side of LL site
RM-007XD	1,1,1-Trichloroethane	209		UG/L	X		North side of LTR site
RM-007XD	1,1-Dichloroethane	213		UG/L		X	North side of LTR site
RM-007XD	1,1-Dichloroethene	34.3		UG/L	X		North side of LTR site
RM-007XD	cis-1,2-Dichloroethene	86.1		UG/L	X		North side of LTR site
RM-007XD	Tetrachloroethene	2.8		UG/L		X	North side of LTR site
RM-007XD	Trichloroethene	58.1		UG/L	X		North side of LTR site
RM-008D	1,1-Dichloroethene	1.3		UG/L		X	500' south of LL site
RM-008D	Trichloroethene	4.5		UG/L		X	500' south of LL site
RM-204D	1,1-Dichloroethene	1.4		UG/L		X	1,300' north of LL site
RM-204D	Trichloroethene	2.1		UG/L		X	1,300' north of LL site
RM-208D	1,1-Dichloroethene	2.1		UG/L		X	Southwest side of LL site
RM-208D	Trichloroethene	2.9		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	1.6		UG/L		X	3,600' north of LL site
RM-307D	1,1,1-Trichloroethane	72.2		UG/L		X	West side of LTR site
RM-307D	1,1-Dichloroethene	3.2		UG/L		X	West side of LTR site
RM-307D	Tetrachloroethene	0.76	J	UG/L		X	West side of LTR site
RM-307D	Trichloroethene	6.2		UG/L	X		West side of LTR site

**Summary of Groundwater Standard Exceedances at Plume Monitoring Wells  
Lemberger Landfill Sites  
1st Quarter 2021**

Well ID	Parameter	Result	Data Qualifiers	Units	Standard <sup>1</sup>		Well Location
					ES <sup>2</sup>	PAL <sup>3</sup>	
RM-401XD	1,1-Dichloroethene	3.6		UG/L		X	400' Northwest of LL Site
RM-401XD	Trichloroethene	3.8		UG/L		X	400' Northwest of LL Site
RM-401XXD	1,1-Dichloroethene	1.6		UG/L		X	400' Northwest of LL Site
RM-401XXD	Trichloroethene	1.1		UG/L		X	400' Northwest of LL Site
RM-402XD	1,1,1-Trichloroethane	153		UG/L		X	400' Northwest of LTR site
RM-402XD	1,1-Dichloroethene	27		UG/L	X		400' Northwest of LTR site
RM-402XD	cis-1,2-Dichloroethene	23.1		UG/L		X	400' Northwest of LTR site
RM-402XD	Tetrachloroethene	0.8	J	UG/L		X	400' Northwest of LTR site
RM-402XD	Trichloroethene	17.4		UG/L	X		400' Northwest of LTR site
RM-402XXD	1,1-Dichloroethene	3.4		UG/L		X	400' Northwest of LTR site
RM-402XXD	cis-1,2-Dichloroethene	7.8		UG/L		X	400' Northwest of LTR site
RM-402XXD	Trichloroethene	6.3		UG/L	X		400' Northwest of LTR site
RM-403XD	1,1,1-Trichloroethane	96.2		UG/L		X	400' West of LTR site
RM-403XD	1,1-Dichloroethene	7.3		UG/L	X		400' West of LTR site
RM-403XD	cis-1,2-Dichloroethene	15		UG/L		X	400' West of LTR site
RM-403XD	Tetrachloroethene	0.97	J	UG/L		X	400' West of LTR site
RM-403XD	Trichloroethene	14.8		UG/L	X		400' West of LTR site

Notes:

<sup>1</sup> Table includes exceedances where the reported concentration is between the Limit of Detection and Limit of Quantitation ("J" data qualifier).

<sup>2</sup> ES =Wisconsin Administrative Code NR140 Enforcement Standard

<sup>3</sup> PAL =Wisconsin Administrative Code NR140 Preventive Action Limit

<sup>4</sup> LTR = Lemberger Transport and Recycling

<sup>5</sup> LL = Lemberger Landfill

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

## 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 507.30; NR 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 Meredith Westover	Phone No. (include area code) (608) 358-5035
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Email mwestover@trccompanies.com
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Facility Name Lemberger Landfill
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License # / Monitoring ID 00753	Facility ID (FID) 436016790
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Actual sampling dates (e.g., July 2-6, 2003) 1/31, 2/28, 3/25, 3/26, 3/29-3/31, 2021	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003) January, February, and March 2021
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Type of Data Submitted (Check all that apply):

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Groundwater monitoring data from monitoring wells | <input type="checkbox"/> Gas monitoring data |
| <input type="checkbox"/> Groundwater monitoring data from private water supply wells  | <input type="checkbox"/> Air monitoring data |
| <input checked="" type="checkbox"/> Leachate monitoring data                          | <input type="checkbox"/> Other (specify):    |

Notification attached?

- No. No groundwater standards or explosive gas limits were exceeded.
- 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) Meredith Westover	Title Database Manager	Phone No. (include area code) (608) 358-5035
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Signature

07/15/2021  
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: \_\_\_\_\_