



708 Heartland Trl.
Suite 3000
Madison, WI 53717

T 608.826.3600
TRCcompanies.com

November 13, 2020

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

Subject: Transmittal of Data
Plume Monitoring and Background Wells
Lemberger Landfill Sites
Second Quarter 2020

Dear Ms. Collier:

On behalf of the Lemberger Site Remediation Group (LSRG), and in accordance with the Environmental Monitoring Plan (EMP), Revision 4 (February 2014), 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 June 2020, in accordance with a March 2016 revision to the post-MNA study program.

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
November 13, 2020
Page 2

cc: BJ 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: August 19, 2020

Subject: Data Validation Report
VOC Groundwater Samples: 2nd Quarter 2020
Lemberger Landfill and Lemberger Transport and Recycling/Franklin, Wisconsin
Laboratory Project Numbers 40210232, 40210384

SUMMARY

Full validation (level IV) or limited validation (level III) was performed on the data for 17 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 June 22, 23, 25, 26, and 27, 2020. 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 40210232 and 40210384.

The sample results were assessed using the *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-002)*, January 2017 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).
- The nondetect results for all VOCs in samples TB-001 (06/23/20) and TB-001 (06/27/20) were qualified as estimated (UJ) with a potential low bias due to the presence of headspace in the sample vials.
- Potential uncertainty exists for the nondetect results for select compounds in all samples due to continuing calibration nonconformances. These results were qualified as estimated (UJ).
- Potential false positive result exists for toluene in sample LH-06 due to field blank contamination. This result was qualified as estimated nondetect (UJ) at the reported concentration since the result was below the lowest calibration standard and QL.

SAMPLES

Samples included in this review are listed below:

Laboratory Project Number 40210232*

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

- RM-210D
- RM-404XXD
- TB-001 (06/23/20)
- RM-401XXD
- FDUP-001¹
- RM-403XD
- FB-001

Laboratory Project Number 40205120**

- LH-01
- LW-07
- RM-207S
- FB-002
- LH-03
- RM-005S
- RM-208S
- TB-001 (06/27/20)
- LH-06
- RM-206S
- FDUP-002²

¹ Field duplicate of RM-403XD

* Full validation (level IV) was performed.

² Field duplicate of RM-005S

** 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 LH-06 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-208S and cis-1,2-dichloroethene in sample LH-06.
- A discrepancy was noted with the QL for toluene in laboratory project numbers 40210232 and 40210384. The laboratory was contacted during validation and provided revised reports to correct this issue on 08/19/20; the QL for toluene was updated on the Form 1s.

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.

The laboratory noted that both vials for samples TB-001 (06/23/20) and TB-001 (06/27/20) were received with headspace. Therefore, the nondetect results for all VOCs in these samples were qualified as estimated (UJ) with a potential low bias.

The laboratory noted that one of the three vials for sample RM-404XXD was received with headspace. No validation actions were taken on the basis of this issue since the analysis of this sample was performed from an acceptable vial without headspace.

Note that samples were not received by the laboratory until two to five days after collection. Samples were stored in coolers, on ice, in a locked former treatment building at the site until delivery to the laboratory. No validation actions were required on this basis since the samples were kept on ice prior to delivery to the laboratory and were received on ice and at 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
40MSVB 06/29/20 @0759	1,1,2,2- Tetrachloroethane	-20.8636	RM-401XXD	The nondetect result for the listed VOC was qualified as estimated (UJ) in the associated sample.

CC	Compound	%D	Associated Samples	Validation Actions
40MSVB 06/30/20 @1529	2-Butanone (MEK)	-22.9972	RM-002D, RM-003D, RM-003XXD, RM-210D, RM-403XD, RM-404XXD, FDUP-001, FB-001, TB-001 (06/23/20)	The nondetect results for the listed VOCs were qualified as estimated (UJ) in the associated samples.
	Chloromethane	-20.5396		
	2-Hexanone	-21.4971		
40MSV3 07/01/20 @1416	Chloroethane	22.4451	LH-01, LH-03, LH-06 (undiluted analysis), LW-07, RM-005S, RM-206S, RM-207S, FDUP-002, FB-002, TB-001 (06/27/20)	*Qualification was not required for this sample since the listed VOC was reported from a different analysis which had an acceptable CC %D.
40MSV3 07/02/20 @0732	4-Methyl-2-pentanone (MIBK)	-22.5586	RM-208S, LH-06 (diluted analysis)*	

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-208S and cis-1,2-dichloroethene in sample LH-06; 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
Toluene	2.5	1.0	FB-002: LH-01, LH-03, LH-06, LW-07, RM-005S, RM-206S, RM-207S, RM-208S, FDUP-002	The positive result for toluene in sample LH-06 was qualified as estimated nondetect (UJ) at the reported concentration since the result was below the lowest calibration standard and QL. No qualification was required for the remaining associated samples since toluene was not detected.
Toluene	2.6	1.0	FB-001: RM-002D, RM-003D, RM-003XXD, RM-210D, RM-401XXD, RM- 403XD, RM-404XXD, FDUP-001	No qualification was required since toluene and xylene (total) were not detected in the associated samples.
Xylene (Total)	1.9 J	3.0		

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-401XXD, RM-003D, and RM-207S. The %R and relative percent difference (RPD) criteria were met with the following exception.

- The RPD for bromomethane in the MS/MSD (23%) performed on sample RM-003D was above the laboratory's acceptance criteria (20%). No validation actions were required since bromomethane was not detected in sample RM-003D.

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-401XXD, RM-003D, and RM-207S: 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-208S and cis-1,2-dichloroethene in sample LH-06; 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-403XD and FDUP-001
- RM-005S and FDUP-002

The following tables summarize the RPDs of the detected VOC results in the field duplicate pairs. One of the RPDs was not calculable (NC) due a nondetect result in one of the two samples; all criteria were met.

Compound	QL (µg/L)	RM-403XD (µg/L)	FDUP-001 (µg/L)	RPD (%)	Validation Action
1,1,1-Trichloroethane	1.0	58.8	57.6	2.1	None; all criteria were met.
1,1-Dichloroethane	1.0	30.3	30.8	1.6	
1,1-Dichloroethene	1.0	4.2	4.4	4.7	
cis-1,2-Dichloroethene	1.0	5.6	5.5	1.8	
Tetrachloroethene	1.1	0.68 J	0.97 J	35.2	
Trichloroethene	1.0	6.8	6.9	1.5	

Compound	QL (µg/L)	RM-005S (µg/L)	FDUP-002 (µg/L)	RPD (%)	Validation Action
Trichloroethene	1.0	1.0 U	0.26 J	NC	None; all criteria were met.

Criteria:

- When both results are $\geq 5x$ the QL, RPDs must be $\leq 35\%$.
- When one or both results are $< 5x$ the QL, absolute difference 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 LH-06 due to the concentration of cis-1,2-dichloroethene 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 ($\mu\text{g/L}$)	WAC Chapter NR 140 ES ($\mu\text{g/L}$)	Laboratory LOD ($\mu\text{g/L}$)
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: 376175.0 PH3 LEMBERGER LF-SENT
Pace Project No.: 40210232

Sample: RM-401XXD **Lab ID: 40210232001** Collected: 06/22/20 07:58 Received: 06/26/20 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	8.3	ug/L	1.0	0.24	1		06/29/20 11:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	UJ ug/L	1.0	0.28	1		06/29/20 11:39	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		06/29/20 11:39	79-00-5	
1,1-Dichloroethane	6.0	ug/L	1.0	0.27	1		06/29/20 11:39	75-34-3	
1,1-Dichloroethene	3.6	ug/L	1.0	0.24	1		06/29/20 11:39	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		06/29/20 11:39	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		06/29/20 11:39	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		06/29/20 11:39	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		06/29/20 11:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		06/29/20 11:39	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		06/29/20 11:39	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		06/29/20 11:39	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		06/29/20 11:39	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		06/29/20 11:39	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		06/29/20 11:39	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		06/29/20 11:39	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		06/29/20 11:39	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		06/29/20 11:39	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		06/29/20 11:39	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		06/29/20 11:39	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		06/29/20 11:39	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		06/29/20 11:39	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/29/20 11:39	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		06/29/20 11:39	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		06/29/20 11:39	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/29/20 11:39	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		06/29/20 11:39	108-88-3	
Trichloroethene	1.4	ug/L	1.0	0.26	1		06/29/20 11:39	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/29/20 11:39	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/29/20 11:39	1330-20-7	
cis-1,2-Dichloroethene	9.9	ug/L	1.0	0.27	1		06/29/20 11:39	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		06/29/20 11:39	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		06/29/20 11:39	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		06/29/20 11:39	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/29/20 11:39	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		06/29/20 11:39	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/29/20 11:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-SENT
Pace Project No.: 40210232

Sample: RM-003D **Lab ID: 40210232002** Collected: 06/22/20 09:59 Received: 06/26/20 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	26.8	ug/L	1.0	0.24	1		06/30/20 19:30	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		06/30/20 19:30	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		06/30/20 19:30	79-00-5	
1,1-Dichloroethane	16.5	ug/L	1.0	0.27	1		06/30/20 19:30	75-34-3	
1,1-Dichloroethene	3.3	ug/L	1.0	0.24	1		06/30/20 19:30	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		06/30/20 19:30	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		06/30/20 19:30	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		06/30/20 19:30	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		06/30/20 19:30	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		06/30/20 19:30	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		06/30/20 19:30	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		06/30/20 19:30	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		06/30/20 19:30	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		06/30/20 19:30	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		06/30/20 19:30	74-83-9	-R1
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		06/30/20 19:30	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		06/30/20 19:30	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		06/30/20 19:30	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		06/30/20 19:30	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		06/30/20 19:30	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		06/30/20 19:30	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		06/30/20 19:30	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/30/20 19:30	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		06/30/20 19:30	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		06/30/20 19:30	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/30/20 19:30	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		06/30/20 19:30	108-88-3	
Trichloroethene	4.4	ug/L	1.0	0.26	1		06/30/20 19:30	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/30/20 19:30	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/30/20 19:30	1330-20-7	
cis-1,2-Dichloroethene	7.2	ug/L	1.0	0.27	1		06/30/20 19:30	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		06/30/20 19:30	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		06/30/20 19:30	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		06/30/20 19:30	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/30/20 19:30	460-00-4	
Dibromofluoromethane (S)	81	%	70-130		1		06/30/20 19:30	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/30/20 19:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-SENT

Pace Project No.: 40210232

Sample: **RM-003XXD** Lab ID: **40210232003** Collected: 06/22/20 11:12 Received: 06/26/20 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	3.0	ug/L	1.0	0.24	1		07/01/20 00:59	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 00:59	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/01/20 00:59	79-00-5	
1,1-Dichloroethane	0.66J	ug/L	1.0	0.27	1		07/01/20 00:59	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/01/20 00:59	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 00:59	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/01/20 00:59	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		07/01/20 00:59	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		07/01/20 00:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		07/01/20 00:59	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		07/01/20 00:59	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		07/01/20 00:59	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/01/20 00:59	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/01/20 00:59	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/01/20 00:59	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		07/01/20 00:59	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/01/20 00:59	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/01/20 00:59	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/01/20 00:59	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/01/20 00:59	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		07/01/20 00:59	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/01/20 00:59	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/01/20 00:59	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/01/20 00:59	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		07/01/20 00:59	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/01/20 00:59	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		07/01/20 00:59	108-88-3	
Trichloroethene	0.52J	ug/L	1.0	0.26	1		07/01/20 00:59	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/01/20 00:59	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		07/01/20 00:59	1330-20-7	
cis-1,2-Dichloroethene	0.52J	ug/L	1.0	0.27	1		07/01/20 00:59	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/01/20 00:59	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/01/20 00:59	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/01/20 00:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		07/01/20 00:59	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		07/01/20 00:59	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		07/01/20 00:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-SENT

Pace Project No.: 40210232

Sample: RM-404XXD **Lab ID: 40210232004** Collected: 06/22/20 13:00 Received: 06/26/20 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	1.4	ug/L	1.0	0.24	1		06/30/20 21:41	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		06/30/20 21:41	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		06/30/20 21:41	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/30/20 21:41	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/30/20 21:41	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		06/30/20 21:41	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		06/30/20 21:41	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		06/30/20 21:41	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		06/30/20 21:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		06/30/20 21:41	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		06/30/20 21:41	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		06/30/20 21:41	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		06/30/20 21:41	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		06/30/20 21:41	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		06/30/20 21:41	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		06/30/20 21:41	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		06/30/20 21:41	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		06/30/20 21:41	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		06/30/20 21:41	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		06/30/20 21:41	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		06/30/20 21:41	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		06/30/20 21:41	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/30/20 21:41	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		06/30/20 21:41	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		06/30/20 21:41	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/30/20 21:41	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		06/30/20 21:41	108-88-3	
Trichloroethene	0.28J	ug/L	1.0	0.26	1		06/30/20 21:41	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/30/20 21:41	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/30/20 21:41	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		06/30/20 21:41	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		06/30/20 21:41	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		06/30/20 21:41	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		06/30/20 21:41	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/30/20 21:41	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		06/30/20 21:41	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/30/20 21:41	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-SENT

Pace Project No.: 40210232

Sample: RM-403XD **Lab ID: 40210232005** Collected: 06/23/20 09:06 Received: 06/26/20 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	58.8	ug/L	1.0	0.24	1		07/01/20 01:20	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 01:20	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/01/20 01:20	79-00-5	
1,1-Dichloroethane	30.3	ug/L	1.0	0.27	1		07/01/20 01:20	75-34-3	
1,1-Dichloroethene	4.2	ug/L	1.0	0.24	1		07/01/20 01:20	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 01:20	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/01/20 01:20	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		07/01/20 01:20	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		07/01/20 01:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		07/01/20 01:20	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		07/01/20 01:20	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		07/01/20 01:20	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/01/20 01:20	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/01/20 01:20	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/01/20 01:20	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		07/01/20 01:20	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/01/20 01:20	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/01/20 01:20	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/01/20 01:20	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/01/20 01:20	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		07/01/20 01:20	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/01/20 01:20	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/01/20 01:20	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/01/20 01:20	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		07/01/20 01:20	100-42-5	
Tetrachloroethene	0.68J	ug/L	1.1	0.33	1		07/01/20 01:20	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		07/01/20 01:20	108-88-3	
Trichloroethene	6.8	ug/L	1.0	0.26	1		07/01/20 01:20	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/01/20 01:20	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		07/01/20 01:20	1330-20-7	
cis-1,2-Dichloroethene	5.6	ug/L	1.0	0.27	1		07/01/20 01:20	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/01/20 01:20	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/01/20 01:20	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/01/20 01:20	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		07/01/20 01:20	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		07/01/20 01:20	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		07/01/20 01:20	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-SENT
Pace Project No.: 40210232

Sample: RM-002D **Lab ID: 40210232006** Collected: 06/23/20 11:29 Received: 06/26/20 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	7.2	ug/L	1.0	0.24	1		06/30/20 22:03	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		06/30/20 22:03	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		06/30/20 22:03	79-00-5	
1,1-Dichloroethane	6.4	ug/L	1.0	0.27	1		06/30/20 22:03	75-34-3	
1,1-Dichloroethene	0.95J	ug/L	1.0	0.24	1		06/30/20 22:03	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		06/30/20 22:03	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		06/30/20 22:03	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		06/30/20 22:03	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		06/30/20 22:03	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		06/30/20 22:03	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		06/30/20 22:03	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		06/30/20 22:03	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		06/30/20 22:03	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		06/30/20 22:03	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		06/30/20 22:03	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		06/30/20 22:03	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		06/30/20 22:03	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		06/30/20 22:03	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		06/30/20 22:03	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		06/30/20 22:03	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		06/30/20 22:03	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		06/30/20 22:03	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/30/20 22:03	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		06/30/20 22:03	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		06/30/20 22:03	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/30/20 22:03	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		06/30/20 22:03	108-88-3	
Trichloroethene	1.6	ug/L	1.0	0.26	1		06/30/20 22:03	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/30/20 22:03	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/30/20 22:03	1330-20-7	
cis-1,2-Dichloroethene	1.9	ug/L	1.0	0.27	1		06/30/20 22:03	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		06/30/20 22:03	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		06/30/20 22:03	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		06/30/20 22:03	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		06/30/20 22:03	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		06/30/20 22:03	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/30/20 22:03	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-SENT

Pace Project No.: 40210232

Sample: RM-210D **Lab ID: 40210232007** Collected: 06/23/20 14:23 Received: 06/26/20 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	8.7	ug/L	1.0	0.24	1		06/30/20 22:25	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		06/30/20 22:25	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		06/30/20 22:25	79-00-5	
1,1-Dichloroethane	4.5	ug/L	1.0	0.27	1		06/30/20 22:25	75-34-3	
1,1-Dichloroethene	1.1	ug/L	1.0	0.24	1		06/30/20 22:25	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		06/30/20 22:25	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		06/30/20 22:25	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		06/30/20 22:25	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		06/30/20 22:25	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		06/30/20 22:25	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		06/30/20 22:25	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		06/30/20 22:25	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		06/30/20 22:25	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		06/30/20 22:25	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		06/30/20 22:25	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		06/30/20 22:25	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		06/30/20 22:25	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		06/30/20 22:25	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		06/30/20 22:25	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		06/30/20 22:25	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		06/30/20 22:25	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		06/30/20 22:25	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/30/20 22:25	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		06/30/20 22:25	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		06/30/20 22:25	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/30/20 22:25	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		06/30/20 22:25	108-88-3	
Trichloroethene	1.5	ug/L	1.0	0.26	1		06/30/20 22:25	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/30/20 22:25	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/30/20 22:25	1330-20-7	
cis-1,2-Dichloroethene	2.3	ug/L	1.0	0.27	1		06/30/20 22:25	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		06/30/20 22:25	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		06/30/20 22:25	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		06/30/20 22:25	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/30/20 22:25	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		06/30/20 22:25	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/30/20 22:25	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-SENT

Pace Project No.: 40210232

Sample: FDUP-001 **Lab ID: 40210232008** Collected: 06/23/20 00:00 Received: 06/26/20 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	57.6	ug/L	1.0	0.24	1		07/01/20 02:26	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 02:26	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/01/20 02:26	79-00-5	
1,1-Dichloroethane	30.8	ug/L	1.0	0.27	1		07/01/20 02:26	75-34-3	
1,1-Dichloroethene	4.4	ug/L	1.0	0.24	1		07/01/20 02:26	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 02:26	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/01/20 02:26	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		07/01/20 02:26	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		07/01/20 02:26	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		07/01/20 02:26	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		07/01/20 02:26	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		07/01/20 02:26	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/01/20 02:26	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/01/20 02:26	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/01/20 02:26	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		07/01/20 02:26	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/01/20 02:26	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/01/20 02:26	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/01/20 02:26	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/01/20 02:26	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		07/01/20 02:26	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/01/20 02:26	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/01/20 02:26	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/01/20 02:26	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		07/01/20 02:26	100-42-5	
Tetrachloroethene	0.97J	ug/L	1.1	0.33	1		07/01/20 02:26	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		07/01/20 02:26	108-88-3	
Trichloroethene	6.9	ug/L	1.0	0.26	1		07/01/20 02:26	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/01/20 02:26	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		07/01/20 02:26	1330-20-7	
cis-1,2-Dichloroethene	5.5	ug/L	1.0	0.27	1		07/01/20 02:26	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/01/20 02:26	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/01/20 02:26	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/01/20 02:26	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		07/01/20 02:26	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		07/01/20 02:26	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		07/01/20 02:26	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-SENT
Pace Project No.: 40210232

Sample: FB-001 **Lab ID: 40210232009** Collected: 06/23/20 15:30 Received: 06/26/20 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/30/20 19:08	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		06/30/20 19:08	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		06/30/20 19:08	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/30/20 19:08	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/30/20 19:08	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		06/30/20 19:08	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		06/30/20 19:08	78-87-5	
2-Butanone (MEK)	<2.9 UJ	ug/L	20.0	2.9	1		06/30/20 19:08	78-93-3	
2-Hexanone	<5.2 UJ	ug/L	17.4	5.2	1		06/30/20 19:08	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		06/30/20 19:08	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		06/30/20 19:08	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		06/30/20 19:08	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		06/30/20 19:08	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		06/30/20 19:08	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		06/30/20 19:08	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		06/30/20 19:08	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		06/30/20 19:08	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		06/30/20 19:08	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		06/30/20 19:08	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		06/30/20 19:08	67-66-3	
Chloromethane	<2.2 UJ	ug/L	7.3	2.2	1		06/30/20 19:08	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		06/30/20 19:08	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/30/20 19:08	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		06/30/20 19:08	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		06/30/20 19:08	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/30/20 19:08	127-18-4	
Toluene	2.6	ug/L	1.0	0.27	1		06/30/20 19:08	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/30/20 19:08	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/30/20 19:08	75-01-4	
Xylene (Total)	1.9J	ug/L	3.0	1.5	1		06/30/20 19:08	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		06/30/20 19:08	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		06/30/20 19:08	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		06/30/20 19:08	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		06/30/20 19:08	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/30/20 19:08	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		06/30/20 19:08	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/30/20 19:08	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-SENT
Pace Project No.: 40210232

Sample: TB-001 (06/23/20) **Lab ID: 40210232010** Collected: 06/23/20 00:00 Received: 06/26/20 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24 UJ	ug/L	1.0	0.24	1		06/30/20 18:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		06/30/20 18:46	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		06/30/20 18:46	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/30/20 18:46	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/30/20 18:46	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		06/30/20 18:46	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		06/30/20 18:46	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		06/30/20 18:46	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		06/30/20 18:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		06/30/20 18:46	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		06/30/20 18:46	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		06/30/20 18:46	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		06/30/20 18:46	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		06/30/20 18:46	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		06/30/20 18:46	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		06/30/20 18:46	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		06/30/20 18:46	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		06/30/20 18:46	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		06/30/20 18:46	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		06/30/20 18:46	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		06/30/20 18:46	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		06/30/20 18:46	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/30/20 18:46	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		06/30/20 18:46	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		06/30/20 18:46	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/30/20 18:46	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		06/30/20 18:46	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/30/20 18:46	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/30/20 18:46	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/30/20 18:46	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		06/30/20 18:46	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		06/30/20 18:46	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		06/30/20 18:46	156-60-5	
trans-1,3-Dichloropropene	<4.4 UJ	ug/L	14.6	4.4	1		06/30/20 18:46	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/30/20 18:46	460-00-4	HS
Dibromofluoromethane (S)	95	%	70-130		1		06/30/20 18:46	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/30/20 18:46	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-XTRA
Pace Project No.: 40210384

Sample: RM-206S **Lab ID: 40210384001** Collected: 06/25/20 17:22 Received: 06/30/20 15:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/01/20 18:34	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 18:34	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/01/20 18:34	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/01/20 18:34	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/01/20 18:34	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 18:34	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/01/20 18:34	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		07/01/20 18:34	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		07/01/20 18:34	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		07/01/20 18:34	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		07/01/20 18:34	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		07/01/20 18:34	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/01/20 18:34	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/01/20 18:34	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/01/20 18:34	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		07/01/20 18:34	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/01/20 18:34	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/01/20 18:34	108-90-7	
Chloroethane	<1.3 UJ	ug/L	5.0	1.3	1		07/01/20 18:34	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/01/20 18:34	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/01/20 18:34	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/01/20 18:34	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/01/20 18:34	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/01/20 18:34	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		07/01/20 18:34	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/01/20 18:34	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		07/01/20 18:34	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/01/20 18:34	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/01/20 18:34	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		07/01/20 18:34	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/01/20 18:34	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/01/20 18:34	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/01/20 18:34	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/01/20 18:34	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		07/01/20 18:34	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		07/01/20 18:34	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		07/01/20 18:34	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-XTRA

Pace Project No.: 40210384

Sample: RM-005S **Lab ID: 40210384002** Collected: 06/25/20 19:29 Received: 06/30/20 15:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/01/20 18:55	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 18:55	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/01/20 18:55	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/01/20 18:55	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/01/20 18:55	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 18:55	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/01/20 18:55	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		07/01/20 18:55	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		07/01/20 18:55	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		07/01/20 18:55	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		07/01/20 18:55	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		07/01/20 18:55	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/01/20 18:55	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/01/20 18:55	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/01/20 18:55	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		07/01/20 18:55	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/01/20 18:55	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/01/20 18:55	108-90-7	
Chloroethane	<1.3 UJ	ug/L	5.0	1.3	1		07/01/20 18:55	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/01/20 18:55	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/01/20 18:55	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/01/20 18:55	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/01/20 18:55	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/01/20 18:55	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		07/01/20 18:55	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/01/20 18:55	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		07/01/20 18:55	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/01/20 18:55	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/01/20 18:55	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		07/01/20 18:55	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/01/20 18:55	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/01/20 18:55	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/01/20 18:55	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/01/20 18:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		07/01/20 18:55	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		07/01/20 18:55	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		07/01/20 18:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-XTRA

Pace Project No.: 40210384

Sample: **FDUP-002** Lab ID: **40210384003** Collected: 06/25/20 00:00 Received: 06/30/20 15:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/01/20 19:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 19:17	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/01/20 19:17	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/01/20 19:17	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/01/20 19:17	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 19:17	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/01/20 19:17	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		07/01/20 19:17	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		07/01/20 19:17	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		07/01/20 19:17	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		07/01/20 19:17	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		07/01/20 19:17	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/01/20 19:17	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/01/20 19:17	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/01/20 19:17	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		07/01/20 19:17	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/01/20 19:17	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/01/20 19:17	108-90-7	
Chloroethane	<1.3 UJ	ug/L	5.0	1.3	1		07/01/20 19:17	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/01/20 19:17	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/01/20 19:17	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/01/20 19:17	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/01/20 19:17	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/01/20 19:17	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		07/01/20 19:17	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/01/20 19:17	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		07/01/20 19:17	108-88-3	
Trichloroethene	0.26J	ug/L	1.0	0.26	1		07/01/20 19:17	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/01/20 19:17	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		07/01/20 19:17	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/01/20 19:17	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/01/20 19:17	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/01/20 19:17	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/01/20 19:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		07/01/20 19:17	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		07/01/20 19:17	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		07/01/20 19:17	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-XTRA
Pace Project No.: 40210384

Sample: RM-207S **Lab ID: 40210384004** Collected: 06/26/20 11:45 Received: 06/30/20 15:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/01/20 17:51	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 17:51	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/01/20 17:51	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/01/20 17:51	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/01/20 17:51	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 17:51	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/01/20 17:51	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		07/01/20 17:51	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		07/01/20 17:51	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		07/01/20 17:51	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		07/01/20 17:51	67-64-1	
Benzene	0.42J	ug/L	1.0	0.25	1		07/01/20 17:51	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/01/20 17:51	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/01/20 17:51	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/01/20 17:51	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		07/01/20 17:51	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/01/20 17:51	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/01/20 17:51	108-90-7	
Chloroethane	<1.3 UJ	ug/L	5.0	1.3	1		07/01/20 17:51	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/01/20 17:51	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/01/20 17:51	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/01/20 17:51	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/01/20 17:51	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/01/20 17:51	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		07/01/20 17:51	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/01/20 17:51	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		07/01/20 17:51	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/01/20 17:51	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/01/20 17:51	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		07/01/20 17:51	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/01/20 17:51	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/01/20 17:51	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/01/20 17:51	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/01/20 17:51	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		07/01/20 17:51	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		07/01/20 17:51	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		07/01/20 17:51	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-XTRA

Pace Project No.: 40210384

Sample: LW-07 **Lab ID: 40210384005** Collected: 06/26/20 14:17 Received: 06/30/20 15:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/01/20 19:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 19:38	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/01/20 19:38	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/01/20 19:38	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/01/20 19:38	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 19:38	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/01/20 19:38	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		07/01/20 19:38	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		07/01/20 19:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		07/01/20 19:38	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		07/01/20 19:38	67-64-1	
Benzene	3.1	ug/L	1.0	0.25	1		07/01/20 19:38	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/01/20 19:38	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/01/20 19:38	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/01/20 19:38	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		07/01/20 19:38	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/01/20 19:38	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/01/20 19:38	108-90-7	
Chloroethane	<1.3 UJ	ug/L	5.0	1.3	1		07/01/20 19:38	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/01/20 19:38	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/01/20 19:38	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/01/20 19:38	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/01/20 19:38	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/01/20 19:38	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		07/01/20 19:38	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/01/20 19:38	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		07/01/20 19:38	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/01/20 19:38	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/01/20 19:38	75-01-4	
Xylene (Total)	2.6J	ug/L	3.0	1.5	1		07/01/20 19:38	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/01/20 19:38	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/01/20 19:38	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/01/20 19:38	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/01/20 19:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		07/01/20 19:38	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		07/01/20 19:38	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		07/01/20 19:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-XTRA

Pace Project No.: 40210384

Sample: LH-03 **Lab ID: 40210384006** Collected: 06/26/20 16:53 Received: 06/30/20 15:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/01/20 20:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 20:00	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/01/20 20:00	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/01/20 20:00	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/01/20 20:00	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 20:00	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/01/20 20:00	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		07/01/20 20:00	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		07/01/20 20:00	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		07/01/20 20:00	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		07/01/20 20:00	67-64-1	
Benzene	3.3	ug/L	1.0	0.25	1		07/01/20 20:00	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/01/20 20:00	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/01/20 20:00	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/01/20 20:00	74-83-9	
Carbon disulfide	3.8	ug/L	1.5	0.45	1		07/01/20 20:00	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/01/20 20:00	56-23-5	
Chlorobenzene	2.8	ug/L	2.4	0.71	1		07/01/20 20:00	108-90-7	
Chloroethane	<1.3 UJ	ug/L	5.0	1.3	1		07/01/20 20:00	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/01/20 20:00	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/01/20 20:00	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/01/20 20:00	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/01/20 20:00	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/01/20 20:00	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		07/01/20 20:00	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/01/20 20:00	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		07/01/20 20:00	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/01/20 20:00	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/01/20 20:00	75-01-4	
Xylene (Total)	3.9	ug/L	3.0	1.5	1		07/01/20 20:00	1330-20-7	
cis-1,2-Dichloroethene	0.34J	ug/L	1.0	0.27	1		07/01/20 20:00	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/01/20 20:00	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/01/20 20:00	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/01/20 20:00	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		07/01/20 20:00	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		07/01/20 20:00	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		07/01/20 20:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-XTRA

Pace Project No.: 40210384

Sample: LH-01 **Lab ID:** 40210384007 Collected: 06/26/20 19:05 Received: 06/30/20 15:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/01/20 20:21	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 20:21	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/01/20 20:21	79-00-5	
1,1-Dichloroethane	0.79J	ug/L	1.0	0.27	1		07/01/20 20:21	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/01/20 20:21	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 20:21	107-06-2	
1,2-Dichloropropane	0.62J	ug/L	1.0	0.28	1		07/01/20 20:21	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		07/01/20 20:21	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		07/01/20 20:21	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		07/01/20 20:21	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		07/01/20 20:21	67-64-1	
Benzene	4.0	ug/L	1.0	0.25	1		07/01/20 20:21	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/01/20 20:21	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/01/20 20:21	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/01/20 20:21	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		07/01/20 20:21	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/01/20 20:21	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/01/20 20:21	108-90-7	
Chloroethane	<1.3 UJ	ug/L	5.0	1.3	1		07/01/20 20:21	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/01/20 20:21	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/01/20 20:21	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/01/20 20:21	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/01/20 20:21	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/01/20 20:21	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		07/01/20 20:21	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/01/20 20:21	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		07/01/20 20:21	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/01/20 20:21	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/01/20 20:21	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		07/01/20 20:21	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/01/20 20:21	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/01/20 20:21	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/01/20 20:21	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/01/20 20:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		07/01/20 20:21	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		07/01/20 20:21	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		07/01/20 20:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-XTRA

Pace Project No.: 40210384

Sample: LH-06 **Lab ID: 40210384008** Collected: 06/27/20 16:27 Received: 06/30/20 15:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/01/20 20:43	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 20:43	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/01/20 20:43	79-00-5	
1,1-Dichloroethane	24.2	ug/L	1.0	0.27	1		07/01/20 20:43	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/01/20 20:43	75-35-4	
1,2-Dichloroethane	3.9	ug/L	1.0	0.28	1		07/01/20 20:43	107-06-2	
1,2-Dichloropropane	2.3	ug/L	1.0	0.28	1		07/01/20 20:43	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		07/01/20 20:43	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		07/01/20 20:43	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		07/01/20 20:43	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		07/01/20 20:43	67-64-1	
Benzene	10.7	ug/L	1.0	0.25	1		07/01/20 20:43	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/01/20 20:43	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/01/20 20:43	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/01/20 20:43	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		07/01/20 20:43	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/01/20 20:43	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/01/20 20:43	108-90-7	
Chloroethane	<1.3 UJ	ug/L	5.0	1.3	1		07/01/20 20:43	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/01/20 20:43	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/01/20 20:43	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/01/20 20:43	124-48-1	
Ethylbenzene	3.5	ug/L	1.1	0.32	1		07/01/20 20:43	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/01/20 20:43	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		07/01/20 20:43	100-42-5	
Tetrachloroethene	0.67J	ug/L	1.1	0.33	1		07/01/20 20:43	127-18-4	
Toluene	0.73 UJ 0.73J	ug/L	1.0 0.90	0.27	1		07/01/20 20:43	108-88-3	
Trichloroethene	0.91J	ug/L	1.0	0.26	1		07/01/20 20:43	79-01-6	
Vinyl chloride	3.2	ug/L	1.0	0.17	1		07/01/20 20:43	75-01-4	
Xylene (Total)	8.0	ug/L	3.0	1.5	1		07/01/20 20:43	1330-20-7	
cis-1,2-Dichloroethene	273	ug/L	5.0	1.4	5		07/02/20 09:28	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/01/20 20:43	10061-01-5	
trans-1,2-Dichloroethene	1.3J	ug/L	1.5	0.46	1		07/01/20 20:43	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/01/20 20:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		07/01/20 20:43	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		07/01/20 20:43	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		07/01/20 20:43	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-XTRA
Pace Project No.: 40210384

Sample: RM-208S **Lab ID: 40210384009** Collected: 06/27/20 17:44 Received: 06/30/20 15:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/02/20 09:07	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/02/20 09:07	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/02/20 09:07	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/02/20 09:07	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/02/20 09:07	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/02/20 09:07	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/02/20 09:07	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		07/02/20 09:07	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		07/02/20 09:07	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6 UJ	ug/L	15.5	4.6	1		07/02/20 09:07	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		07/02/20 09:07	67-64-1	
Benzene	1.1	ug/L	1.0	0.25	1		07/02/20 09:07	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/02/20 09:07	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/02/20 09:07	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/02/20 09:07	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		07/02/20 09:07	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/02/20 09:07	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/02/20 09:07	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/02/20 09:07	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/02/20 09:07	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/02/20 09:07	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/02/20 09:07	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/02/20 09:07	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/02/20 09:07	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		07/02/20 09:07	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/02/20 09:07	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		07/02/20 09:07	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/02/20 09:07	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/02/20 09:07	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		07/02/20 09:07	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/02/20 09:07	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/02/20 09:07	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/02/20 09:07	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/02/20 09:07	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		07/02/20 09:07	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		07/02/20 09:07	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		07/02/20 09:07	2037-26-5	

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-XTRA

Pace Project No.: 40210384

Sample: FB-002 **Lab ID: 40210384010** Collected: 06/27/20 18:30 Received: 06/30/20 15:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/01/20 21:26	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 21:26	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/01/20 21:26	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/01/20 21:26	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/01/20 21:26	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 21:26	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/01/20 21:26	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		07/01/20 21:26	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		07/01/20 21:26	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		07/01/20 21:26	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		07/01/20 21:26	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		07/01/20 21:26	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/01/20 21:26	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/01/20 21:26	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/01/20 21:26	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		07/01/20 21:26	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/01/20 21:26	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/01/20 21:26	108-90-7	
Chloroethane	<1.3 UJ	ug/L	5.0	1.3	1		07/01/20 21:26	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/01/20 21:26	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/01/20 21:26	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/01/20 21:26	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/01/20 21:26	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/01/20 21:26	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		07/01/20 21:26	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/01/20 21:26	127-18-4	
Toluene	2.5	ug/L	1.0	0.27	1		07/01/20 21:26	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/01/20 21:26	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/01/20 21:26	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		07/01/20 21:26	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/01/20 21:26	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/01/20 21:26	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/01/20 21:26	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/01/20 21:26	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		07/01/20 21:26	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		07/01/20 21:26	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		07/01/20 21:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 376175.0 PH3 LEMBERGER LF-XTRA

Pace Project No.: 40210384

Sample: **TB-001 (06/27/20)** Lab ID: **40210384011** Collected: 06/27/20 00:00 Received: 06/30/20 15:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24 UJ	ug/L	1.0	0.24	1		07/01/20 17:29	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 17:29	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/01/20 17:29	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/01/20 17:29	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/01/20 17:29	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/01/20 17:29	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/01/20 17:29	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		07/01/20 17:29	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		07/01/20 17:29	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		07/01/20 17:29	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		07/01/20 17:29	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		07/01/20 17:29	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/01/20 17:29	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/01/20 17:29	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/01/20 17:29	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		07/01/20 17:29	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/01/20 17:29	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/01/20 17:29	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/01/20 17:29	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/01/20 17:29	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/01/20 17:29	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/01/20 17:29	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/01/20 17:29	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/01/20 17:29	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		07/01/20 17:29	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/01/20 17:29	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		07/01/20 17:29	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/01/20 17:29	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/01/20 17:29	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		07/01/20 17:29	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/01/20 17:29	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/01/20 17:29	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/01/20 17:29	156-60-5	
trans-1,3-Dichloropropene	<4.4 UJ	ug/L	14.6	4.4	1		07/01/20 17:29	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		07/01/20 17:29	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		07/01/20 17:29	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		07/01/20 17:29	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**

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

**Attachment 2 (continued)
Groundwater Quality Standards**

Parameter Name	Units	MCL	SMCL	NR PAL	NR ES
N-hexane	µg/L			120	600
Nickel, dissolved	µg/L	100		20	100
Nickel, total	µg/L	100		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 January 2018 to reflect February 2017 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
JUNE 2020

PARAMETER	UNITS	LH-01	LH-03	LH-06	LW-07	RM-002D	RM-003D	RM-003XXD	RM-005S	RM-005S DUP
		6/26/2020 40210384007	6/26/2020 40210384006	6/27/2020 40210384008	6/26/2020 40210384005	6/23/2020 40210232006	6/22/2020 40210232002	6/22/2020 40210232003	6/25/2020 40210384002	6/25/2020 40210384003
1,1,1-TRICHLOROETHANE	UG/L	< 0.24	< 0.24	< 0.24	< 0.24	7.2	26.8	3.0	< 0.24	< 0.24
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	0.79 J	< 0.27	24.2	< 0.27	6.4	16.5	0.66 J	< 0.27	< 0.27
1,1-DICHLOROETHENE	UG/L	< 0.24	< 0.24	< 0.24	< 0.24	0.95 J	3.3	< 0.24	< 0.24	< 0.24
1,2-DICHLOROETHANE	UG/L	< 0.28	< 0.28	3.9	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-DICHLOROPROPANE	UG/L	0.62 J	< 0.28	2.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-BUTANONE	UG/L	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9 j	< 2.9 j	< 2.9 j	< 2.9	< 2.9
2-HEXANONE	UG/L	< 5.2	< 5.2	< 5.2	< 5.2	< 5.2 j	< 5.2 j	< 5.2 j	< 5.2	< 5.2
4-METHYL-2-PENTANONE	UG/L	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6
ACETONE	UG/L	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
BENZENE	UG/L	4.0	3.3	10.7	3.1	< 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	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
BROMOMETHANE	UG/L	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97 R1	< 0.97	< 0.97	< 0.97
CARBON DISULFIDE	UG/L	< 0.45	3.8	< 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
CHLOROENZENE	UG/L	< 0.71	2.8	< 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 j	< 1.3 j	< 1.3 j	< 1.3 j	< 1.3	< 1.3	< 1.3	< 1.3 j	< 1.3 j
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	< 2.2	< 2.2	< 2.2 j	< 2.2 j	< 2.2 j	< 2.2	< 2.2
CIS-1,2-DICHLOROETHENE	UG/L	< 0.27	0.34 J	273	< 0.27	1.9	7.2	0.52 J	< 0.27	< 0.27
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	3.5	< 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	0.67 J	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
TOLUENE	UG/L	< 0.27	< 0.27	0.73 Juj	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.46	< 0.46	1.3 J	< 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	< 0.26	< 0.26	0.91 J	< 0.26	1.6	4.4	0.52 J	< 0.26	0.26 J
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	3.2	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.5	3.9	8.0	2.6 J	< 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:

u = data validation rules result as not detected

j = the result is estimated

LEMBERGER LANDFILL
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS
JUNE 2020

PARAMETER	UNITS	RM-206S	RM-207S	RM-208S	RM-210D	RM-401XXD	RM-403XD	RM-403XD DUP	RM-404XXD
		6/25/2020 40210384001	6/26/2020 40210384004	6/27/2020 40210384009	6/23/2020 40210232007	6/22/2020 40210232001	6/23/2020 40210232005	6/23/2020 40210232008	6/22/2020 40210232004
1,1,1-TRICHLOROETHANE	UG/L	< 0.24	< 0.24	< 0.24	8.7	8.3	58.8	57.6	1.4
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28 j	< 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
1,1-DICHLOROETHANE	UG/L	< 0.27	< 0.27	< 0.27	4.5	6.0	30.3	30.8	< 0.27
1,1-DICHLOROETHENE	UG/L	< 0.24	< 0.24	< 0.24	1.1	3.6	4.2	4.4	< 0.24
1,2-DICHLOROETHANE	UG/L	< 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
2-BUTANONE	UG/L	< 2.9	< 2.9	< 2.9	< 2.9 j	< 2.9	< 2.9 j	< 2.9 j	< 2.9 j
2-HEXANONE	UG/L	< 5.2	< 5.2	< 5.2	< 5.2 j	< 5.2	< 5.2 j	< 5.2 j	< 5.2 j
4-METHYL-2-PENTANONE	UG/L	< 4.6	< 4.6	< 4.6 j	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6
ACETONE	UG/L	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
BENZENE	UG/L	< 0.25	0.42 J	1.1	< 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
BROMOFORM	UG/L	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
BROMOMETHANE	UG/L	< 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
CARBON TETRACHLORIDE	UG/L	< 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
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.3 j	< 1.3 j	< 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
CHLOROMETHANE	UG/L	< 2.2	< 2.2	< 2.2	< 2.2 j	< 2.2	< 2.2 j	< 2.2 j	< 2.2 j
CIS-1,2-DICHLOROETHENE	UG/L	< 0.27	< 0.27	< 0.27	2.3	9.9	5.6	5.5	< 0.27
CIS-1,3-DICHLOROPROPENE	UG/L	< 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
METHYLENE CHLORIDE	UG/L	< 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
TETRACHLOROETHENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.68 J	0.97 J	< 0.33
TOLUENE	UG/L	< 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
TRANS-1,3-DICHLOROPROPENE	UG/L	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
TRICHLOROETHENE	UG/L	< 0.26	< 0.26	< 0.26	1.5	1.4	6.8	6.9	0.28 J
VINYL CHLORIDE	UG/L	< 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

NOTES:

Laboratory data qualifiers are included in Attachment 4. See specific laboratory report for Sample Delivery Group (SDG) definition.

Non-detect results are reported as "< Limit of Detection (LOD)"

Data Validation Qualifiers:

u = data validation rules result as not detected

j = the result is estimated

LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
JUNE 2020

PARAMETER	UNITS	LH-01	LH-03	LH-06	LW-07	RM-002D	RM-003D	RM-003XXD	RM-004D
		6/26/2020 40210384007	6/26/2020 40210384006	6/27/2020 40210384008	6/26/2020 40210384005	6/23/2020 40210232006	6/22/2020 40210232002	6/22/2020 40210232003	6/25/2020 W200625001
COLOR, FIELD		NONE	NONE	BROWN	NONE	NONE	NONE	NONE	
CONDUCTANCE, SPECIFIC	UMHOS/CM	2544	1229	555	1120	570	805	772	
DEPTH TO LEACHATE	FEET	33.66	36.49	30.03	11.16				
DEPTH TO WATER	FEET					22.22	14.20	11.78	53.75
DISSOLVED OXYGEN, FIELD	MG/L	1.16	0.44	3.80	0.13	3.12	2.26	3.66	
LEACHATE HEAD ELEVATION	FEET	835.12	835.62	849.06	832.18				
ODOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	
OXIDATION REDUCTION POTENTIAL	MV	-65	-127	59	-126	48	135	149	
PH, FIELD	SU	6.66	6.91	6.63	6.93	7.47	7.43	7.51	
TEMPERATURE	DEG C	11.5	10.7	15.0	10.1	9.8	9.2	9.2	
TURBIDITY, FIELD NTU	NTU	7	8	511	34	7	0	0	
WATER ELEVATION	FEET					793.49	805.93	809.75	805.34

**LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
JUNE 2020**

PARAMETER	UNITS	RM-005S	RM-010D	RM-206S	RM-207S	RM-208S	RM-210D	RM-301S	RM-302S
		6/25/2020 40210384002	6/25/2020 W200625002	6/25/2020 40210384001	6/26/2020 40210384004	6/27/2020 40210384009	6/23/2020 40210232007	6/25/2020 W200625003	6/25/2020 W200625004
COLOR, FIELD		NONE		NONE	NONE	NONE	NONE		
CONDUCTANCE, SPECIFIC	UMHOS/CM	685		841	765	1190	782		
DEPTH TO LEACHATE	FEET								
DEPTH TO WATER	FEET	5.71	44.62	8.93	5.81	11.00	24.27	8.79	3.96
DISSOLVED OXYGEN, FIELD	MG/L	0.16		0.66	0.12	1.37	0.77		
LEACHATE HEAD ELEVATION	FEET								
ODOR, FIELD		NONE		NONE	NONE	NONE	NONE		
OXIDATION REDUCTION POTENTIAL	MV	27		21	-95	-115	95		
PH, FIELD	SU	7.37		7.31	7.34	7.42	7.40		
TEMPERATURE	DEG C	10.3		9.4	7.8	12.1	10.4		
TURBIDITY, FIELD NTU	NTU	6		41	5	65	4		
WATER ELEVATION	FEET	838.3	804.95	836.19	834.13	828.37	803.59	852.86	851.11

**LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
JUNE 2020**

PARAMETER	UNITS	RM-305D 6/25/2020 W200625005	RM-401XXD 6/22/2020 40210232001	RM-403XD 6/23/2020 40210232005	RM-404XXD 6/22/2020 40210232004
COLOR, FIELD			NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM		745	811	735
DEPTH TO LEACHATE	FEET				
DEPTH TO WATER	FEET	53.27	23.03	34.87	51.97
DISSOLVED OXYGEN, FIELD	MG/L		2.90	2.01	5.21
LEACHATE HEAD ELEVATION	FEET				
ODOR, FIELD			NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV		203	157	187
PH, FIELD	SU		7.37	7.49	7.24
TEMPERATURE	DEG C		9.0	9.5	11.0
TURBIDITY, FIELD NTU	NTU		0	0	8
WATER ELEVATION	FEET	814.68	809.82	809.63	809.69

Attachment 4

Laboratory Data Qualifiers for Monitoring Well Samples

QUALIFIERS

Project: 376175.0 PH3 LEMBERGER LF-SENT

Pace Project No.: 40210232

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.

ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 376175.0 PH3 LEMBERGER LF-XTRA
Pace Project No.: 40210384

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

**Summary of Groundwater Standard Exceedances at Plume Monitoring Wells
Lemberger Landfill Sites
2nd Quarter 2020**

Well ID	Parameter	Result	Data Qualifiers	Units	Standard ¹		Well Location
					ES ²	PAL ³	
RM-002D	1,1-Dichloroethene	0.95	J	UG/L		X	2,900' northwest of LL site
RM-002D	Trichloroethene	1.6		UG/L		X	2,900' northwest of LL site
RM-003D	1,1-Dichloroethene	3.3		UG/L		X	1,000' west of LL site
RM-003D	cis-1,2-Dichloroethene	7.2		UG/L		X	1,000' west of LL site
RM-003D	Trichloroethene	4.4		UG/L		X	1,000' west of LL site
RM-003XXD	Trichloroethene	0.52	J	UG/L		X	1,000' west of LL site
RM-208S	Benzene	1.1		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	1.5		UG/L		X	3,600' north of LL site
RM-401XXD	1,1-Dichloroethene	3.6		UG/L		X	400' Northwest of LL Site
RM-401XXD	cis-1,2-Dichloroethene	9.9		UG/L		X	400' Northwest of LL Site
RM-401XXD	Trichloroethene	1.4		UG/L		X	400' Northwest of LL Site
RM-403XD	1,1,1-Trichloroethane	58.8		UG/L		X	400' West of LTR site
RM-403XD	1,1-Dichloroethene	4.2		UG/L		X	400' West of LTR site
RM-403XD	Tetrachloroethene	0.68	J	UG/L		X	400' West of LTR site
RM-403XD	Trichloroethene	6.8		UG/L	X		400' West of LTR site
RM-403XD DUP	1,1,1-Trichloroethane	57.6		UG/L		X	400' West of LTR site
RM-403XD DUP	1,1-Dichloroethene	4.4		UG/L		X	400' West of LTR site
RM-403XD DUP	Tetrachloroethene	0.97	J	UG/L		X	400' West of LTR site
RM-403XD DUP	Trichloroethene	6.9		UG/L	X		400' West of LTR site

Notes:

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

² ES =Wisconsin Administrative Code NR140 Enforcement Standard

³ PAL =Wisconsin Administrative Code NR140 Preventive Action Limit

⁴ LTR = Lemberger Transport and Recycling

⁵ LL = Lemberger Landfill

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

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

Instructions:

- Prepare one form for each license or monitoring ID.
- Please type or print legibly.
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5
Bureau of Waste Management
Wisconsin Department of Natural Resources
101 South Webster Street
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 E-mail address:

Name: Meredith Westover

Phone: (608) 826-3667

E-mail: mwestover@trccompanies.com

Facility name:	License # / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003)
Lemberger Landfill	00753 436016790		4/30, 5/31, 6/22, 6/23, 6/25-6/27, 6/30, 2020

The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)

April, May, and June 2020

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 checked="" 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.

Meredith Westover

Database Manager

(608) 826-3667

Facility Representative Name (Print)

Title

(Area Code) Telephone No.

Signature

Date

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