

# Laboratory Report

Environmental Health Division

**WSLH Sample: 837268001**

Report To:  
LIANNA SPENCER  
N4450 COUNTY RD A  
CAMBRIDGE, WI 53523

Invoice To:  
LIANNA SPENCER  
N4450 COUNTY RD A  
CAMBRIDGE, WI 53523  
Customer ID: 347515

Field #:	002-N OF HWY 18	ID#:	NA
Project No:		Sample Location:	ENBRIDGE - US HWY 18
Collection End:	3/19/2026 10:25:00 AM	Sample Description:	
Collection Start:		Sample Type:	SU-SURFACE WATER
Collected By:	LIANNA SPENCER	Waterbody:	
Date Received:	3/19/2026	Point or Outfall:	
Date Reported:	5/6/2026	Sample Depth:	
Sample Reason:		Program Code:	
		Region Code:	
		County:	

## OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: No Prep Step		Analysis Date: 04/01/26 21:31			
Dichlorodifluoromethane	EPA 8260B in Water	ND	ug/L	0.34	1.1
The Laboratory Control Spike (LCS) does not meet the lower QC limit.					
The Continuing Calibration Verification (CCV) does not meet the lower QC limit.					
Chloromethane	EPA 8260B in Water	ND	ug/L	0.34	1.1
Vinyl chloride	EPA 8260B in Water	ND	ug/L	0.50	1.7
Bromomethane	EPA 8260B in Water	ND	ug/L	0.47	1.6
Chloroethane	EPA 8260B in Water	ND	ug/L	0.40	1.3
Trichlorofluoromethane	EPA 8260B in Water	ND	ug/L	0.52	1.7
The Laboratory Control Spike (LCS) does not meet the lower QC limit.					
The Continuing Calibration Verification (CCV) does not meet the lower QC limit.					
Acetone	EPA 8260B in Water	3.4F	ug/L	2.2	7.3
1,1-Dichloroethene	EPA 8260B in Water	ND	ug/L	0.48	1.6
The Laboratory Control Spike (LCS) does not meet the lower QC limit.					
The Continuing Calibration Verification (CCV) does not meet the lower QC limit.					
Trichlorotrifluoroethane	EPA 8260B in Water	ND	ug/L	0.43	1.4

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## OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: No Prep Step		Analysis Date: 04/01/26 21:31			
The Matrix Spike Duplicate (MSD) does not meet the lower limit for percent recovery.					
The Laboratory Control Spike (LCS) does not meet the lower QC limit.					
The Continuing Calibration Verification (CCV) does not meet the lower QC limit.					
Methylene Chloride	EPA 8260B in Water	ND	ug/L	0.35	1.2
Carbon disulfide	EPA 8260B in Water	ND	ug/L	0.39	1.3
trans-1,2-Dichloroethene	EPA 8260B in Water	ND	ug/L	0.42	1.4
Methyl tert-Butyl Ether (MTBE)	EPA 8260B in Water	ND	ug/L	0.21	0.71
The Laboratory Control Spike (LCS) does not meet the lower QC limit.					
The Continuing Calibration Verification (CCV) does not meet the lower QC limit.					
1,1-Dichloroethane	EPA 8260B in Water	ND	ug/L	0.40	1.3
Hexane	EPA 8260B in Water	ND	ug/L	0.42	1.4
The Matrix Spike Duplicate (MSD) does not meet the lower limit for percent recovery.					
The Laboratory Control Spike (LCS) does not meet the lower QC limit.					
The matrix spike does not meet the lower QC limit.					
The Continuing Calibration Verification (CCV) does not meet the lower QC limit.					
Isopropyl Ether	EPA 8260B in Water	ND	ug/L	0.19	0.63
Methyl Ethyl Ketone (MEK)	EPA 8260B in Water	ND	ug/L	0.34	1.1
cis-1,2-Dichloroethene	EPA 8260B in Water	ND	ug/L	0.34	1.1
2,2-Dichloropropane	EPA 8260B in Water	ND	ug/L	0.45	1.5
The Laboratory Control Spike (LCS) does not meet the lower QC limit.					
The Continuing Calibration Verification (CCV) does not meet the lower QC limit.					
Chloroform	EPA 8260B in Water	ND	ug/L	0.33	1.1
Bromochloromethane	EPA 8260B in Water	ND	ug/L	0.33	1.1
Tetrahydrofuran	EPA 8260B in Water	ND	ug/L	0.20	0.68
The Laboratory Control Spike (LCS) does not meet the lower QC limit.					
The Continuing Calibration Verification (CCV) does not meet the lower QC limit.					
1,1,1-Trichloroethane	EPA 8260B in Water	ND	ug/L	0.38	1.3

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The Laboratory Control Spike (LCS) does not meet the lower QC limit.					
The Continuing Calibration Verification (CCV) does not meet the lower QC limit.					
1,1-Dichloropropene	EPA 8260B in Water	ND	ug/L	0.40	1.3
The Laboratory Control Spike (LCS) does not meet the lower QC limit.					
The Continuing Calibration Verification (CCV) does not meet the lower QC limit.					
1,2-Dichloroethane	EPA 8260B in Water	ND	ug/L	0.30	0.99
Carbon Tetrachloride	EPA 8260B in Water	ND	ug/L	0.49	1.6
The Laboratory Control Spike (LCS) does not meet the lower QC limit.					
The Continuing Calibration Verification (CCV) does not meet the lower QC limit.					
Benzene	EPA 8260B in Water	ND	ug/L	0.35	1.2
Trichloroethene	EPA 8260B in Water	ND	ug/L	0.41	1.4
1,2-Dichloropropane	EPA 8260B in Water	ND	ug/L	0.37	1.2
Dibromomethane	EPA 8260B in Water	ND	ug/L	0.33	1.1
Bromodichloromethane	EPA 8260B in Water	ND	ug/L	0.35	1.2
cis-1,3-Dichloropropene	EPA 8260B in Water	ND	ug/L	0.30	1.0
Methyl Isobutyl Ketone	EPA 8260B in Water	ND	ug/L	0.19	0.63
Toluene	EPA 8260B in Water	ND	ug/L	0.34	1.1
trans-1,3-Dichloropropene	EPA 8260B in Water	ND	ug/L	0.33	1.1
1,1,2-Trichloroethane	EPA 8260B in Water	ND	ug/L	0.40	1.3
1,3-Dichloropropane	EPA 8260B in Water	ND	ug/L	0.33	1.1
Chlorodibromomethane	EPA 8260B in Water	ND	ug/L	0.30	1.0
The Laboratory Control Spike (LCS) does not meet the lower QC limit.					
The Continuing Calibration Verification (CCV) does not meet the lower QC limit.					
Tetrachloroethene	EPA 8260B in Water	ND	ug/L	0.43	1.4
The Laboratory Control Spike (LCS) does not meet the lower QC limit.					
The Continuing Calibration Verification (CCV) does not meet the lower QC limit.					
1,2-Dibromoethane	EPA 8260B in Water	ND	ug/L	0.27	0.92

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Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: No Prep Step	Analysis Date: 04/01/26 21:31				
Chlorobenzene	EPA 8260B in Water	ND	ug/L	0.30	1.0
1,1,1,2-Tetrachloroethane	EPA 8260B in Water	ND	ug/L	0.33	1.1
Ethyl Benzene	EPA 8260B in Water	ND	ug/L	0.33	1.1
m,p-xylene	EPA 8260B in Water	ND	ug/L	0.59	2.0
Styrene	EPA 8260B in Water	ND	ug/L	0.24	0.81
o-Xylene	EPA 8260B in Water	ND	ug/L	0.27	0.90
Bromoform	EPA 8260B in Water	ND	ug/L	0.37	1.2
1,1,2,2-Tetrachloroethane	EPA 8260B in Water	ND	ug/L	0.34	1.1
Isopropylbenzene (Cumene)	EPA 8260B in Water	ND	ug/L	0.27	0.91
1,2,3-Trichloropropane	EPA 8260B in Water	ND	ug/L	0.41	1.4
Bromobenzene	EPA 8260B in Water	ND	ug/L	0.34	1.1
n-Propylbenzene	EPA 8260B in Water	ND	ug/L	0.30	1.0
2-Chlorotoluene	EPA 8260B in Water	ND	ug/L	0.39	1.3
4-Chlorotoluene	EPA 8260B in Water	ND	ug/L	0.47	1.6
1,3,5-Trimethylbenzene	EPA 8260B in Water	ND	ug/L	0.28	0.94
tert-Butylbenzene	EPA 8260B in Water	ND	ug/L	0.41	1.4
1,2,4-Trimethylbenzene	EPA 8260B in Water	ND	ug/L	0.25	0.82
sec-Butylbenzene	EPA 8260B in Water	ND	ug/L	0.33	1.1
1,3-Dichlorobenzene	EPA 8260B in Water	ND	ug/L	0.36	1.2
1,4-Dichlorobenzene	EPA 8260B in Water	ND	ug/L	0.34	1.1
4-Isopropyltoluene	EPA 8260B in Water	ND	ug/L	0.34	1.1

The Laboratory Control Spike (LCS) does not meet the lower QC limit.

The Continuing Calibration Verification (CCV) does not meet the lower QC limit.

1,2-Dichlorobenzene	EPA 8260B in Water	ND	ug/L	0.33	1.1
n-Butylbenzene	EPA 8260B in Water	ND	ug/L	0.34	1.1

The Laboratory Control Spike (LCS) does not meet the lower QC limit.

The Continuing Calibration Verification (CCV) does not meet the lower QC limit.

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Prep Date: No Prep Step	Analysis Date: 04/01/26 21:31				
1,2-Dibromo-3-chloropropane	EPA 8260B in Water	ND	ug/L	0.31	1.0
1,2,4-Trichlorobenzene	EPA 8260B in Water	ND	ug/L	0.31	1.0
Naphthalene	EPA 8260B in Water	ND	ug/L	0.27	0.90
Hexachlorobutadiene	EPA 8260B in Water	ND	ug/L	0.44	1.5
The Laboratory Control Spike (LCS) does not meet the lower QC limit.					
The Continuing Calibration Verification (CCV) does not meet the lower QC limit.					
1,2,3-Trichlorobenzene	EPA 8260B in Water	ND	ug/L	0.33	1.1



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WDNR LAB ID:113133790    NELAP LAB ID:2091    EPA LAB ID:WI00007, WI00008    WI DATCP ID:105-415

**List of Abbreviations:**

LOD = Level of detection  
LOQ = Level of quantification (for PFAS the LOQ = MRL)  
ND = None detected. Results are less than the LOD  
F next to result = Result is between LOD and LOQ  
Z next to result = Result is between 0 (zero) and LOD  
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation>  
Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.  
Results relate only to the items tested.  
This Laboratory Report shall not be reproduced except in full, without written approval of the laboratory.  
The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

**Responsible Party**

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281  
Metals: Graham Anderson, Supervisor 608-224-6281  
Organics: Erin Mani, Supervisor 608-224-6269  
Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230  
Water Microbiology: Martin Collins, Supervisor 608-224-6239  
Radiochemistry: Jesse Wouters, Supervisor 608-224-6227  
Trace Elements: Christa Dahman, Supervisor 608-224-4320