Rice, Caroline M - DNR

From: Lianna Spencer <lake.manager@tn.oakland.jefferson.wi.gov>
Sent: Friday, January 3, 2025 11:56 AM
To: Rice, Caroline M - DNR
Cc: Ross, Issac A - DNR; Lake Chairman
Subject: RE: WDNR BRRTS Activity No. 02-28-595980 - Update for the Week of December 23
Attachments: DS of Enbridge Results.pdf; Enbridge Adjacent results.pdf; N of Hwy 18 results.pdf

Hi Caroline,

The District got our VOC results back from the State Lab of Hygiene that we took on December 23rd, 2024. The only hit we got was upstream of Highway 18 and it was for acetone. I have attached our results to this email.

I think it would be a good idea to have another meeting involving DNR, District, County and Town to give an update on what has happened since we last met. I have availability the next few weeks.

Thank you,
Lianna

Lianna Spencer
Lake Manager
Lake Ripley Management District
N4450 County Road A
Cambridge, WI 53523
lake.manager@tn.oakland.jefferson.wi.gov
Office: 608-423-4537
Cell: 608-445-4536
www.lakeripley.org

From: Rice, Caroline M - DNR <caroline.rice@wisconsin.gov>
Sent: Monday, December 30, 2024 4:50 PM
To: Lianna Spencer <lake.manager@tn.oakland.jefferson.wi.gov>
Cc: Ross, Issac A - DNR <Issac.Ross@wisconsin.gov>
Subject: FW: WDNR BRRTS Activity No. 02-28-595980 - Update for the Week of December 23

Good afternoon,

I hope you are having a nice holiday. I know that that Enbridge is coordinating with you on the surface water sampling effort, so I expect that this is not news to you; but I wanted to make sure you got the same heads up that I received regarding Enbridge's surface water sample results.

Please see Shane's email below.

Please do not hesitate to reach out with any questions or to discuss.

Thank you,
Caroline

Caroline Rice
She/Her
Phone: 608-219-2182
Email: caroline.rice@wisconsin.gov

Our core values include professionalism, integrity, and customer service.
Please visit our survey to provide feedback on your experience interacting with any DNR employee.

From: Shane Yokom <Shane.Yokom@enbridge.com>
Sent: Monday, December 30, 2024 3:36 PM
To: Rice, Caroline M - DNR <caroline.rice@wisconsin.gov>; Bannister, Trevor A - DNR <TrevorA.Bannister@wisconsin.gov>
Subject: WDNR BRRTS Activity No. 02-28-595980 - Update for the Week of December 23

Caroline, Trevor,

The following activities were completed at the Cambridge site during the week of December 23rd.

- Remaining waste was removed from the site on Monday 12/23.
- The immediate actions report was submitted Tuesday 12/24.
- Additional surface water samples were collected from the adjacent creek. Results show no VOC detections.

-shane

Shane Yokom
Environment Supervisor, LPUS
Safety & Reliability Environment Operations

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2601 Agriculture Drive, PO Box 7996
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Laboratory Report

Environmental Health Division

WSLH Sample: 772642001

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
Project No:
Collection End: 12/23/2024 10:31:00 AM
Collection Start:
Collected By: LIANNA SPENCER
Date Received: 12/23/2024
Date Reported: 1/2/2025
Sample Reason:

ID#: NA
Sample Location: N OF HWY 18
Sample Description:
Sample Type: SU-SURFACE WATER
Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Field Data

Analyte	Analysis Method	Result	Units	LOD	LOQ
Sample Temp-field (C)	Field Data	3.2	Centigrade		
Ambien Air Temp-field (C)	Field Data	35RF35F	Centigrade		
DO field (mg/L)	Field Data	5.86	mg/L		
% Saturation	Field Data	44.8	%		

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: No Prep Step	Analysis Date: 12/27/24 11:33				
Dichlorodifluoromethane	EPA 8260B in Water	ND	ug/L	0.25	0.83
Chloromethane	EPA 8260B in Water	ND	ug/L	0.35	1.2
Vinyl chloride	EPA 8260B in Water	ND	ug/L	0.15	0.50
Bromomethane	EPA 8260B in Water	ND	ug/L	0.33	1.1
Chloroethane	EPA 8260B in Water	ND	ug/L	0.25	0.83
Trichlorofluoromethane	EPA 8260B in Water	ND	ug/L	0.25	0.83

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Laboratory Report

Environmental Health Division

WSLH Sample: 772642001

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: No Prep Step	Analysis Date: 12/27/24 11:33				
Acetone	EPA 8260B in Water	<2.4	ug/L	2.0	6.7
Interference					
1,1-Dichloroethene	EPA 8260B in Water	ND	ug/L	0.25	0.83
Trichlorotrifluoroethane	EPA 8260B in Water	ND	ug/L	0.74	2.5
Methylene chloride	EPA 8260B in Water	ND	ug/L	0.15	0.50
Carbon disulfide	EPA 8260B in Water	ND	ug/L	0.30	1.0
trans-1,2-Dichloroethene	EPA 8260B in Water	ND	ug/L	0.19	0.63
Methyl tert-Butyl ether (MTBE)	EPA 8260B in Water	ND	ug/L	0.13	0.43
1,1-Dichloroethane	EPA 8260B in Water	ND	ug/L	0.20	0.67
Hexane	EPA 8260B in Water	ND	ug/L	0.68	2.3
Isopropyl Ether	EPA 8260B in Water	ND	ug/L	0.090	0.30
Methyl Ethyl Ketone (MEK)	EPA 8260B in Water	ND	ug/L	2.0	6.7
cis-1,2-Dichloroethene	EPA 8260B in Water	ND	ug/L	0.090	0.30
2,2-Dichloropropane	EPA 8260B in Water	ND	ug/L	0.50	1.7
Chloroform	EPA 8260B in Water	ND	ug/L	0.10	0.33
Bromochloromethane	EPA 8260B in Water	ND	ug/L	0.30	1.0
Tetrahydrofuran	EPA 8260B in Water	ND	ug/L	2.0	6.7
The Laboratory Control Spike (LCS) does not meet the upper QC limit.					
The Continuing Calibration Verification (CCV) does not meet the upper QC limit.					
1,1,1-Trichloroethane	EPA 8260B in Water	ND	ug/L	0.25	0.83
1,1-Dichloropropene	EPA 8260B in Water	ND	ug/L	0.25	0.83
1,2-Dichloroethane	EPA 8260B in Water	ND	ug/L	0.15	0.50
Carbon tetrachloride	EPA 8260B in Water	ND	ug/L	0.25	0.83
Benzene	EPA 8260B in Water	ND	ug/L	0.090	0.30
Trichloroethene	EPA 8260B in Water	ND	ug/L	0.14	0.47
1,2-Dichloropropane	EPA 8260B in Water	ND	ug/L	0.20	0.67
Dibromomethane	EPA 8260B in Water	ND	ug/L	0.20	0.67

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Laboratory Report

Environmental Health Division

WSLH Sample: 772642001

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: No Prep Step	Analysis Date: 12/27/24 11:33				
Bromodichloromethane	EPA 8260B in Water	ND	ug/L	0.15	0.50
cis-1,3-Dichloropropene	EPA 8260B in Water	ND	ug/L	0.15	0.50
Methyl isobutyl ketone	EPA 8260B in Water	ND	ug/L	2.0	6.7
Toluene	EPA 8260B in Water	ND	ug/L	0.10	0.33
trans-1,3-Dichloropropene	EPA 8260B in Water	ND	ug/L	0.10	0.33
1,1,2-Trichloroethane	EPA 8260B in Water	ND	ug/L	0.19	0.63
1,3-Dichloropropane	EPA 8260B in Water	ND	ug/L	0.15	0.50
Chlorodibromomethane	EPA 8260B in Water	ND	ug/L	0.15	0.50
Tetrachloroethene	EPA 8260B in Water	ND	ug/L	0.25	0.83
1,2-Dibromoethane	EPA 8260B in Water	ND	ug/L	0.25	0.83
Chlorobenzene	EPA 8260B in Water	ND	ug/L	0.080	0.27
1,1,1,2-Tetrachloroethane	EPA 8260B in Water	ND	ug/L	0.15	0.50
Ethyl Benzene	EPA 8260B in Water	ND	ug/L	0.20	0.67
m,p-xylene	EPA 8260B in Water	ND	ug/L	0.18	0.60
Styrene	EPA 8260B in Water	ND	ug/L	0.25	0.83
o-Xylene	EPA 8260B in Water	ND	ug/L	0.20	0.67
Bromoform	EPA 8260B in Water	ND	ug/L	0.23	0.77
1,1,2,2-Tetrachloroethane	EPA 8260B in Water	ND	ug/L	0.20	0.67
Isopropylbenzene (Cumene)	EPA 8260B in Water	ND	ug/L	0.090	0.30
1,2,3-Trichloropropane	EPA 8260B in Water	ND	ug/L	0.21	0.70
Bromobenzene	EPA 8260B in Water	ND	ug/L	0.20	0.67
n-Propylbenzene	EPA 8260B in Water	ND	ug/L	0.13	0.43
2-Chlorotoluene	EPA 8260B in Water	ND	ug/L	0.19	0.63
4-Chlorotoluene	EPA 8260B in Water	ND	ug/L	0.21	0.70
1,3,5-Trimethylbenzene	EPA 8260B in Water	ND	ug/L	0.17	0.57
tert-Butylbenzene	EPA 8260B in Water	ND	ug/L	0.14	0.47
1,2,4-Trimethylbenzene	EPA 8260B in Water	ND	ug/L	0.090	0.30

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Laboratory Report

Environmental Health Division

WSLH Sample: 772642001

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: No Prep Step	Analysis Date: 12/27/24 11:33				
sec-Butylbenzene	EPA 8260B in Water	ND	ug/L	0.090	0.30
1,3-Dichlorobenzene	EPA 8260B in Water	ND	ug/L	0.17	0.57
1,4-Dichlorobenzene	EPA 8260B in Water	ND	ug/L	0.20	0.67
4-Isopropyltoluene	EPA 8260B in Water	ND	ug/L	0.10	0.33
1,2-Dichlorobenzene	EPA 8260B in Water	ND	ug/L	0.090	0.30
n-Butylbenzene	EPA 8260B in Water	ND	ug/L	0.16	0.53
1,2-Dibromo-3-chloropropane	EPA 8260B in Water	ND	ug/L	0.50	1.7
1,2,4-Trichlorobenzene	EPA 8260B in Water	ND	ug/L	0.22	0.72
Naphthalene	EPA 8260B in Water	ND	ug/L	0.59	2.0
Hexachlorobutadiene	EPA 8260B in Water	ND	ug/L	0.25	0.83
1,2,3-Trichlorobenzene	EPA 8260B in Water	ND	ug/L	0.20	0.67

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Laboratory Report

Environmental Health Division

WSLH Sample: 772642001

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.

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

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Laboratory Report

Environmental Health Division

WSLH Sample: 772646001

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 #: 003
Project No:
Collection End: 12/23/2024 10:42:00 AM
Collection Start:
Collected By: LIANNA SPENCER
Date Received: 12/23/2024
Date Reported: 1/2/2025
Sample Reason:

ID#: NA
Sample Location: ENBRIDGE ADJACENT
Sample Description:
Sample Type: SU-SURFACE WATER
Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Field Data

Analyte	Analysis Method	Result	Units	LOD	LOQ
Sample Temp-field (C)	Field Data	0.9	Centigrade		
Ambien Air Temp-field (C)	Field Data	35F	Centigrade		
DO field (mg/L)	Field Data	3.59	mg/L		
% Saturation	Field Data	25.8	%		

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: No Prep Step	Analysis Date: 12/27/24 13:33				
Dichlorodifluoromethane	EPA 8260B in Water	ND	ug/L	0.25	0.83
Chloromethane	EPA 8260B in Water	ND	ug/L	0.35	1.2
Vinyl chloride	EPA 8260B in Water	ND	ug/L	0.15	0.50
Bromomethane	EPA 8260B in Water	ND	ug/L	0.33	1.1
Chloroethane	EPA 8260B in Water	ND	ug/L	0.25	0.83
Trichlorofluoromethane	EPA 8260B in Water	ND	ug/L	0.25	0.83

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Laboratory Report

Environmental Health Division

WSLH Sample: 772646001

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: No Prep Step	Analysis Date: 12/27/24 13:33				
Acetone	EPA 8260B in Water	ND	ug/L	2.0	6.7
1,1-Dichloroethene	EPA 8260B in Water	ND	ug/L	0.25	0.83
Trichlorotrifluoroethane	EPA 8260B in Water	ND	ug/L	0.74	2.5
Methylene chloride	EPA 8260B in Water	ND	ug/L	0.15	0.50
Carbon disulfide	EPA 8260B in Water	ND	ug/L	0.30	1.0
trans-1,2-Dichloroethene	EPA 8260B in Water	ND	ug/L	0.19	0.63
Methyl tert-Butyl ether (MTBE)	EPA 8260B in Water	ND	ug/L	0.13	0.43
1,1-Dichloroethane	EPA 8260B in Water	ND	ug/L	0.20	0.67
Hexane	EPA 8260B in Water	ND	ug/L	0.68	2.3
Isopropyl Ether	EPA 8260B in Water	ND	ug/L	0.090	0.30
Methyl Ethyl Ketone (MEK)	EPA 8260B in Water	ND	ug/L	2.0	6.7
cis-1,2-Dichloroethene	EPA 8260B in Water	ND	ug/L	0.090	0.30
2,2-Dichloropropane	EPA 8260B in Water	ND	ug/L	0.50	1.7
Chloroform	EPA 8260B in Water	ND	ug/L	0.10	0.33
Bromochloromethane	EPA 8260B in Water	ND	ug/L	0.30	1.0
Tetrahydrofuran	EPA 8260B in Water	ND	ug/L	2.0	6.7
The Laboratory Control Spike (LCS) does not meet the upper QC limit.					
The Continuing Calibration Verification (CCV) does not meet the upper QC limit.					
1,1,1-Trichloroethane	EPA 8260B in Water	ND	ug/L	0.25	0.83
1,1-Dichloropropene	EPA 8260B in Water	ND	ug/L	0.25	0.83
1,2-Dichloroethane	EPA 8260B in Water	ND	ug/L	0.15	0.50
Carbon tetrachloride	EPA 8260B in Water	ND	ug/L	0.25	0.83
Benzene	EPA 8260B in Water	ND	ug/L	0.090	0.30
Trichloroethene	EPA 8260B in Water	ND	ug/L	0.14	0.47
1,2-Dichloropropane	EPA 8260B in Water	ND	ug/L	0.20	0.67
Dibromomethane	EPA 8260B in Water	ND	ug/L	0.20	0.67
Bromodichloromethane	EPA 8260B in Water	ND	ug/L	0.15	0.50

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Laboratory Report

Environmental Health Division

WSLH Sample: 772646001

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: No Prep Step	Analysis Date: 12/27/24 13:33				
cis-1,3-Dichloropropene	EPA 8260B in Water	ND	ug/L	0.15	0.50
Methyl isobutyl ketone	EPA 8260B in Water	ND	ug/L	2.0	6.7
Toluene	EPA 8260B in Water	ND	ug/L	0.10	0.33
trans-1,3-Dichloropropene	EPA 8260B in Water	ND	ug/L	0.10	0.33
1,1,2-Trichloroethane	EPA 8260B in Water	ND	ug/L	0.19	0.63
1,3-Dichloropropane	EPA 8260B in Water	ND	ug/L	0.15	0.50
Chlorodibromomethane	EPA 8260B in Water	ND	ug/L	0.15	0.50
Tetrachloroethene	EPA 8260B in Water	ND	ug/L	0.25	0.83
1,2-Dibromoethane	EPA 8260B in Water	ND	ug/L	0.25	0.83
Chlorobenzene	EPA 8260B in Water	ND	ug/L	0.080	0.27
1,1,1,2-Tetrachloroethane	EPA 8260B in Water	ND	ug/L	0.15	0.50
Ethyl Benzene	EPA 8260B in Water	ND	ug/L	0.20	0.67
m,p-xylene	EPA 8260B in Water	ND	ug/L	0.18	0.60
Styrene	EPA 8260B in Water	ND	ug/L	0.25	0.83
o-Xylene	EPA 8260B in Water	ND	ug/L	0.20	0.67
Bromoform	EPA 8260B in Water	ND	ug/L	0.23	0.77
1,1,2,2-Tetrachloroethane	EPA 8260B in Water	ND	ug/L	0.20	0.67
Isopropylbenzene (Cumene)	EPA 8260B in Water	ND	ug/L	0.090	0.30
1,2,3-Trichloropropane	EPA 8260B in Water	ND	ug/L	0.21	0.70
Bromobenzene	EPA 8260B in Water	ND	ug/L	0.20	0.67
n-Propylbenzene	EPA 8260B in Water	ND	ug/L	0.13	0.43
2-Chlorotoluene	EPA 8260B in Water	ND	ug/L	0.19	0.63
4-Chlorotoluene	EPA 8260B in Water	ND	ug/L	0.21	0.70
1,3,5-Trimethylbenzene	EPA 8260B in Water	ND	ug/L	0.17	0.57
tert-Butylbenzene	EPA 8260B in Water	ND	ug/L	0.14	0.47
1,2,4-Trimethylbenzene	EPA 8260B in Water	ND	ug/L	0.090	0.30
sec-Butylbenzene	EPA 8260B in Water	ND	ug/L	0.090	0.30

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(800)442-4618 - Fax (608)224-6213
http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 772646001

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: No Prep Step	Analysis Date: 12/27/24 13:33				
1,3-Dichlorobenzene	EPA 8260B in Water	ND	ug/L	0.17	0.57
1,4-Dichlorobenzene	EPA 8260B in Water	ND	ug/L	0.20	0.67
4-Isopropyltoluene	EPA 8260B in Water	ND	ug/L	0.10	0.33
1,2-Dichlorobenzene	EPA 8260B in Water	ND	ug/L	0.090	0.30
n-Butylbenzene	EPA 8260B in Water	ND	ug/L	0.16	0.53
1,2-Dibromo-3-chloropropane	EPA 8260B in Water	ND	ug/L	0.50	1.7
1,2,4-Trichlorobenzene	EPA 8260B in Water	ND	ug/L	0.22	0.72
Naphthalene	EPA 8260B in Water	ND	ug/L	0.59	2.0
Hexachlorobutadiene	EPA 8260B in Water	ND	ug/L	0.25	0.83
1,2,3-Trichlorobenzene	EPA 8260B in Water	ND	ug/L	0.20	0.67

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Laboratory Report

Environmental Health Division

WSLH Sample: 772646001

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

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Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.
Results relate only to the items tested.

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

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Laboratory Report

Environmental Health Division

WSLH Sample: 772644001

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 #: 004
Project No:
Collection End: 12/23/2024 11:05:00 AM
Collection Start:
Collected By: LIANNA SPENCER
Date Received: 12/23/2024
Date Reported: 1/2/2025
Sample Reason:

ID#: NA
Sample Location: DS OF ENBRIDGE
Sample Description:
Sample Type: SU-SURFACE WATER
Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Field Data

Analyte	Analysis Method	Result	Units	LOD	LOQ
Sample Temp-field (C)	Field Data	1.3	Centigrade		
Ambien Air Temp-field (C)	Field Data	35F	Centigrade		
DO field (mg/L)	Field Data	6.3	mg/L		
% Saturation	Field Data	46	%		

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: No Prep Step	Analysis Date: 12/27/24 12:55				
Dichlorodifluoromethane	EPA 8260B in Water	ND	ug/L	0.25	0.83
Chloromethane	EPA 8260B in Water	ND	ug/L	0.35	1.2
Vinyl chloride	EPA 8260B in Water	ND	ug/L	0.15	0.50
Bromomethane	EPA 8260B in Water	ND	ug/L	0.33	1.1
Chloroethane	EPA 8260B in Water	ND	ug/L	0.25	0.83
Trichlorofluoromethane	EPA 8260B in Water	ND	ug/L	0.25	0.83

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Laboratory Report

Environmental Health Division

WSLH Sample: 772644001

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: No Prep Step	Analysis Date: 12/27/24 12:55				
Acetone	EPA 8260B in Water	ND	ug/L	2.0	6.7
1,1-Dichloroethene	EPA 8260B in Water	ND	ug/L	0.25	0.83
Trichlorotrifluoroethane	EPA 8260B in Water	ND	ug/L	0.74	2.5
Methylene chloride	EPA 8260B in Water	ND	ug/L	0.15	0.50
Carbon disulfide	EPA 8260B in Water	ND	ug/L	0.30	1.0
trans-1,2-Dichloroethene	EPA 8260B in Water	ND	ug/L	0.19	0.63
Methyl tert-Butyl ether (MTBE)	EPA 8260B in Water	ND	ug/L	0.13	0.43
1,1-Dichloroethane	EPA 8260B in Water	ND	ug/L	0.20	0.67
Hexane	EPA 8260B in Water	ND	ug/L	0.68	2.3
Isopropyl Ether	EPA 8260B in Water	ND	ug/L	0.090	0.30
Methyl Ethyl Ketone (MEK)	EPA 8260B in Water	ND	ug/L	2.0	6.7
cis-1,2-Dichloroethene	EPA 8260B in Water	ND	ug/L	0.090	0.30
2,2-Dichloropropane	EPA 8260B in Water	ND	ug/L	0.50	1.7
Chloroform	EPA 8260B in Water	ND	ug/L	0.10	0.33
Bromochloromethane	EPA 8260B in Water	ND	ug/L	0.30	1.0
Tetrahydrofuran	EPA 8260B in Water	ND	ug/L	2.0	6.7
The Laboratory Control Spike (LCS) does not meet the upper QC limit.					
The Continuing Calibration Verification (CCV) does not meet the upper QC limit.					
1,1,1-Trichloroethane	EPA 8260B in Water	ND	ug/L	0.25	0.83
1,1-Dichloropropene	EPA 8260B in Water	ND	ug/L	0.25	0.83
1,2-Dichloroethane	EPA 8260B in Water	ND	ug/L	0.15	0.50
Carbon tetrachloride	EPA 8260B in Water	ND	ug/L	0.25	0.83
Benzene	EPA 8260B in Water	ND	ug/L	0.090	0.30
Trichloroethene	EPA 8260B in Water	ND	ug/L	0.14	0.47
1,2-Dichloropropane	EPA 8260B in Water	ND	ug/L	0.20	0.67
Dibromomethane	EPA 8260B in Water	ND	ug/L	0.20	0.67
Bromodichloromethane	EPA 8260B in Water	ND	ug/L	0.15	0.50

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Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: No Prep Step	Analysis Date: 12/27/24 12:55				
cis-1,3-Dichloropropene	EPA 8260B in Water	ND	ug/L	0.15	0.50
Methyl isobutyl ketone	EPA 8260B in Water	ND	ug/L	2.0	6.7
Toluene	EPA 8260B in Water	ND	ug/L	0.10	0.33
trans-1,3-Dichloropropene	EPA 8260B in Water	ND	ug/L	0.10	0.33
1,1,2-Trichloroethane	EPA 8260B in Water	ND	ug/L	0.19	0.63
1,3-Dichloropropane	EPA 8260B in Water	ND	ug/L	0.15	0.50
Chlorodibromomethane	EPA 8260B in Water	ND	ug/L	0.15	0.50
Tetrachloroethene	EPA 8260B in Water	ND	ug/L	0.25	0.83
1,2-Dibromoethane	EPA 8260B in Water	ND	ug/L	0.25	0.83
Chlorobenzene	EPA 8260B in Water	ND	ug/L	0.080	0.27
1,1,1,2-Tetrachloroethane	EPA 8260B in Water	ND	ug/L	0.15	0.50
Ethyl Benzene	EPA 8260B in Water	ND	ug/L	0.20	0.67
m,p-xylene	EPA 8260B in Water	ND	ug/L	0.18	0.60
Styrene	EPA 8260B in Water	ND	ug/L	0.25	0.83
o-Xylene	EPA 8260B in Water	ND	ug/L	0.20	0.67
Bromoform	EPA 8260B in Water	ND	ug/L	0.23	0.77
1,1,2,2-Tetrachloroethane	EPA 8260B in Water	ND	ug/L	0.20	0.67
Isopropylbenzene (Cumene)	EPA 8260B in Water	ND	ug/L	0.090	0.30
1,2,3-Trichloropropane	EPA 8260B in Water	ND	ug/L	0.21	0.70
Bromobenzene	EPA 8260B in Water	ND	ug/L	0.20	0.67
n-Propylbenzene	EPA 8260B in Water	ND	ug/L	0.13	0.43
2-Chlorotoluene	EPA 8260B in Water	ND	ug/L	0.19	0.63
4-Chlorotoluene	EPA 8260B in Water	ND	ug/L	0.21	0.70
1,3,5-Trimethylbenzene	EPA 8260B in Water	ND	ug/L	0.17	0.57
tert-Butylbenzene	EPA 8260B in Water	ND	ug/L	0.14	0.47
1,2,4-Trimethylbenzene	EPA 8260B in Water	ND	ug/L	0.090	0.30
sec-Butylbenzene	EPA 8260B in Water	ND	ug/L	0.090	0.30

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Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: No Prep Step	Analysis Date: 12/27/24 12:55				
1,3-Dichlorobenzene	EPA 8260B in Water	ND	ug/L	0.17	0.57
1,4-Dichlorobenzene	EPA 8260B in Water	ND	ug/L	0.20	0.67
4-Isopropyltoluene	EPA 8260B in Water	ND	ug/L	0.10	0.33
1,2-Dichlorobenzene	EPA 8260B in Water	ND	ug/L	0.090	0.30
n-Butylbenzene	EPA 8260B in Water	ND	ug/L	0.16	0.53
1,2-Dibromo-3-chloropropane	EPA 8260B in Water	ND	ug/L	0.50	1.7
1,2,4-Trichlorobenzene	EPA 8260B in Water	ND	ug/L	0.22	0.72
Naphthalene	EPA 8260B in Water	ND	ug/L	0.59	2.0
Hexachlorobutadiene	EPA 8260B in Water	ND	ug/L	0.25	0.83
1,2,3-Trichlorobenzene	EPA 8260B in Water	ND	ug/L	0.20	0.67

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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.

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
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