



Wisconsin State Laboratory of Hygiene
 2601 Agriculture Drive, PO Box 7996
 Madison, WI 53707-7996
 (800)442-4618 - FAX (608)224-6213
<http://www.slh.wisc.edu>

Laboratory Report

D.F. Kurtycz, M.D., Medical Director - Prof. James J. Schauer, Ph.D., Director

Environmental Health Division

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

WSLH Sample: 398373001

Report To:
 PAUL ELLIOTT
 VILLAGE HALL
 18 OXFORD PL
 MADISON, WI 53704

Invoice To:
 SARAH DANZ
 VILLAGE HALL 18 OXFORD PL
 MADISON, WI 53704-5955

Customer ID: 11302346

System Name: MAPLE BLUFF WATERWORKS
 City: MADISON
 Collection Date/Time: 08/02/2018 13:45
 Collected By: PAUL ELLIOTT
 County: 13 - Dane
 Source Code: D-Distribution System
 Collection Address: 18 OXFORD PLACE
 Location of Sample: BREAKROOM SINK

Monitor Point ID: D1
 PWS ID#: 11302346
 WI Unique Well#:
 Entry Point ID:
 Date Received: 8/2/2018
 Date Reported: 9/5/2018
 Sample Type: D-Rout Dist Comp & FU

OC-Haloacetic Acid in DW

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 08/13/18 Analysis Date 08/15/18					
Monochloroacetic Acid	EPA 552.3 Haloacetic Acids DW	ND	ug/L	2.2	7.4
Monobromoacetic Acid	EPA 552.3 Haloacetic Acids DW	ND	ug/L	1.0	1.0
Dichloroacetic Acid	EPA 552.3 Haloacetic Acids DW	ND	ug/L	1.0	1.0
Trichloroacetic acid	EPA 552.3 Haloacetic Acids DW	ND	ug/L	1.0	1.0
Dibromoacetic Acid	EPA 552.3 Haloacetic Acids DW	ND	ug/L	1.0	1.0

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 08/09/18 Analysis Date 08/09/18					
Dichlorodifluoromethane	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
Chloromethane	EPA 524.2 VOCs in Water	ND	ug/L	0.39	1.3
Vinyl chloride	EPA 524.2 VOCs in Water	ND	ug/L	0.20	0.67
Bromomethane	EPA 524.2 VOCs in Water	ND	ug/L	0.53	1.8
Chloroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.45	1.5

Environmental Health Division

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OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 08/09/18	Analysis Date 08/09/18				
Trichlorofluoromethane	EPA 524.2 VOCs in Water	ND	ug/L	0.28	0.93
1,1-Dichloroethene	EPA 524.2 VOCs in Water	ND	ug/L	0.23	0.77
Carbon disulfide	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0
Trichlorotrifluoroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
Methylene chloride	EPA 524.2 VOCs in Water	ND	ug/L	0.32	1.1
trans-1,2-Dichloroethene	EPA 524.2 VOCs in Water	ND	ug/L	0.24	0.80
Hexane	EPA 524.2 VOCs in Water	ND	ug/L	0.82	2.7
Methyl tert-Butyl ether (MTBE)	EPA 524.2 VOCs in Water	ND	ug/L	0.19	0.63
Isopropyl Ether	EPA 524.2 VOCs in Water	ND	ug/L	0.39	1.3
1,1-Dichloroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.31	1.0
cis-1,2-Dichloroethene	EPA 524.2 VOCs in Water	ND	ug/L	0.17	0.57
2,2-Dichloropropane	EPA 524.2 VOCs in Water	ND	ug/L	0.55	1.8
Bromochloromethane	EPA 524.2 VOCs in Water	ND	ug/L	1.0	3.3
Chloroform	EPA 524.2 VOCs in Water	2.6	ug/L	0.27	0.90
QC limit for precision exceeded.					
Carbon tetrachloride	EPA 524.2 VOCs in Water	ND	ug/L	0.37	1.2
Tetrahydrofuran	EPA 524.2 VOCs in Water	ND	ug/L	4.8	16
1,1,1-Trichloroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.27	0.90
1,1-Dichloropropene	EPA 524.2 VOCs in Water	ND	ug/L	0.25	0.83
Methyl Ethyl Ketone (MEK)	EPA 524.2 VOCs in Water	ND	ug/L	3.8	13
Benzene	EPA 524.2 VOCs in Water	ND	ug/L	0.18	0.60
1,2-Dichloroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0

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OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 08/09/18	Analysis Date 08/09/18				
Trichloroethene	EPA 524.2 VOCs in Water	ND	ug/L	0.18	0.60
Dibromomethane	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
1,2-Dichloropropane	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
Bromodichloromethane	EPA 524.2 VOCs in Water	3.4	ug/L	0.40	1.3
cis-1,3-Dichloropropene	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
Toluene	EPA 524.2 VOCs in Water	ND	ug/L	0.14	0.47
Tetrachloroethene	EPA 524.2 VOCs in Water	ND	ug/L	0.27	0.90
4-Methyl-2-pentanone (MIBK)	EPA 524.2 VOCs in Water	ND	ug/L	4.1	14
trans-1,3-Dichloropropene	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0
1,1,2-Trichloroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
Chlorodibromomethane	EPA 524.2 VOCs in Water	3.1	ug/L	0.40	1.3
1,3-Dichloropropane	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0
Chlorobenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.17	0.57
Ethyl Benzene	EPA 524.2 VOCs in Water	ND	ug/L	0.13	0.43
1,1,1,2-Tetrachloroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.50	1.7
m,p-xylene	EPA 524.2 VOCs in Water	ND	ug/L	0.31	1.0
o-Xylene	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
Styrene	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0
Bromoform	EPA 524.2 VOCs in Water	0.91F	ug/L	0.50	1.7
Isopropylbenzene (Cumene)	EPA 524.2 VOCs in Water	ND	ug/L	0.20	0.67
Bromobenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.39	1.3
n-Propylbenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.10	0.33

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WSLH Sample: 398373001

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 08/09/18	Analysis Date 08/09/18				
1,1,2,2-Tetrachloroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0
2-Chlorotoluene	EPA 524.2 VOCs in Water	ND	ug/L	0.19	0.63
1,3,5-Trimethylbenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.14	0.47
1,2,3-Trichloropropane	EPA 524.2 VOCs in Water	ND	ug/L	0.34	1.1
4-Chlorotoluene	EPA 524.2 VOCs in Water	ND	ug/L	0.20	0.67
tert-Butylbenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.17	0.57
1,2,4-Trimethylbenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.20	0.67
sec-Butylbenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.11	0.37
4-Isopropyltoluene	EPA 524.2 VOCs in Water	ND	ug/L	0.063	0.21
1,3-Dichlorobenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.15	0.50
1,4-Dichlorobenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.22	0.73
n-Butylbenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.15	0.50
1,2-Dichlorobenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
Hexachlorobutadiene	EPA 524.2 VOCs in Water	ND	ug/L	0.52	1.7
1,2,4-Trichlorobenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0
Naphthalene	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0
1,2,3-Trichlorobenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.19	0.63

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WSLH Sample: 398373001

List of Abbreviations:

LOD = Level of detection

LOQ = Level of quantification

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.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Microbiology: Sharon Kluender, Lab Manager, 608-224-6262

Inorganic Chemistry: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282

Metals: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282

Organic Chemistry: Al Spallato, Lab Manager, 608-224-6269

Emergency Chemical Response: Noel Stanton, Lab Manager, 608-224-6251

Environmental Toxicology: Tracy Hanke, Lab Manager, 608-224-6270



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 18 OXFORD PL
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Invoice To:
 SARAH DANZ
 VILLAGE HALL 18 OXFORD PL
 MADISON, WI 53704-5955

Customer ID: 11302346

System Name: MAPLE BLUFF WATERWORKS
 City: MADISON
 Collection Date/Time: 08/02/2018 14:15
 Collected By: PAUL ELLIOTT
 County: 13 - Dane
 Source Code: D-Distribution System
 Collection Address: 365 LAKEWOOD BLVD
 Location of Sample: KITCHEN SINK

Monitor Point ID: D-2
 PWS ID#: 11302346
 WI Unique Well#:
 Entry Point ID:
 Date Received: 8/2/2018
 Date Reported: 9/5/2018
 Sample Type: D-Rout Dist Comp & FU

OC-Haloacetic Acid in DW

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 08/13/18	Analysis Date 08/15/18				
Monochloroacetic Acid	EPA 552.3 Haloacetic Acids DW	ND	ug/L	2.2	7.4
Monobromoacetic Acid	EPA 552.3 Haloacetic Acids DW	ND	ug/L	1.0	1.0
Dichloroacetic Acid	EPA 552.3 Haloacetic Acids DW	ND	ug/L	1.0	1.0
Trichloroacetic acid	EPA 552.3 Haloacetic Acids DW	ND	ug/L	1.0	1.0
Dibromoacetic Acid	EPA 552.3 Haloacetic Acids DW	1.0	ug/L	1.0	1.0

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 08/09/18	Analysis Date 08/09/18				
Dichlorodifluoromethane	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
Chloromethane	EPA 524.2 VOCs in Water	ND	ug/L	0.39	1.3
Vinyl chloride	EPA 524.2 VOCs in Water	ND	ug/L	0.20	0.67
Bromomethane	EPA 524.2 VOCs in Water	ND	ug/L	0.53	1.8
Chloroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.45	1.5

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WSLH Sample: 398375001

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 08/09/18	Analysis Date 08/09/18				
Trichlorofluoromethane	EPA 524.2 VOCs in Water	ND	ug/L	0.28	0.93
1,1-Dichloroethene	EPA 524.2 VOCs in Water	ND	ug/L	0.23	0.77
Carbon disulfide	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0
Trichlorotrifluoroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
Methylene chloride	EPA 524.2 VOCs in Water	ND	ug/L	0.32	1.1
trans-1,2-Dichloroethene	EPA 524.2 VOCs in Water	ND	ug/L	0.24	0.80
Hexane	EPA 524.2 VOCs in Water	ND	ug/L	0.82	2.7
Methyl tert-Butyl ether (MTBE)	EPA 524.2 VOCs in Water	ND	ug/L	0.19	0.63
Isopropyl Ether	EPA 524.2 VOCs in Water	ND	ug/L	0.39	1.3
1,1-Dichloroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.31	1.0
cis-1,2-Dichloroethene	EPA 524.2 VOCs in Water	ND	ug/L	0.17	0.57
2,2-Dichloropropane	EPA 524.2 VOCs in Water	ND	ug/L	0.55	1.8
Bromochloromethane	EPA 524.2 VOCs in Water	ND	ug/L	1.0	3.3
Chloroform	EPA 524.2 VOCs in Water	1.9	ug/L	0.27	0.90
QC limit for precision exceeded.					
Carbon tetrachloride	EPA 524.2 VOCs in Water	ND	ug/L	0.37	1.2
Tetrahydrofuran	EPA 524.2 VOCs in Water	ND	ug/L	4.8	16
1,1,1-Trichloroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.27	0.90
1,1-Dichloropropene	EPA 524.2 VOCs in Water	ND	ug/L	0.25	0.83
Methyl Ethyl Ketone (MEK)	EPA 524.2 VOCs in Water	ND	ug/L	3.8	13
Benzene	EPA 524.2 VOCs in Water	ND	ug/L	0.18	0.60
1,2-Dichloroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0

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Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 08/09/18	Analysis Date 08/09/18				
Trichloroethene	EPA 524.2 VOCs in Water	ND	ug/L	0.18	0.60
Dibromomethane	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
1,2-Dichloropropane	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
Bromodichloromethane	EPA 524.2 VOCs in Water	2.9	ug/L	0.40	1.3
cis-1,3-Dichloropropene	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
Toluene	EPA 524.2 VOCs in Water	ND	ug/L	0.14	0.47
Tetrachloroethene	EPA 524.2 VOCs in Water	ND	ug/L	0.27	0.90
4-Methyl-2-pentanone (MIBK)	EPA 524.2 VOCs in Water	ND	ug/L	4.1	14
trans-1,3-Dichloropropene	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0
1,1,2-Trichloroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
Chlorodibromomethane	EPA 524.2 VOCs in Water	2.8	ug/L	0.40	1.3
1,3-Dichloropropane	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0
Chlorobenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.17	0.57
Ethyl Benzene	EPA 524.2 VOCs in Water	ND	ug/L	0.13	0.43
1,1,1,2-Tetrachloroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.50	1.7
m,p-xylene	EPA 524.2 VOCs in Water	ND	ug/L	0.31	1.0
o-Xylene	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
Styrene	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0
Bromoform	EPA 524.2 VOCs in Water	0.89F	ug/L	0.50	1.7
Isopropylbenzene (Cumene)	EPA 524.2 VOCs in Water	ND	ug/L	0.20	0.67
Bromobenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.39	1.3
n-Propylbenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.10	0.33

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OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 08/09/18	Analysis Date 08/09/18				
1,1,2,2-Tetrachloroethane	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0
2-Chlorotoluene	EPA 524.2 VOCs in Water	ND	ug/L	0.19	0.63
1,3,5-Trimethylbenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.14	0.47
1,2,3-Trichloropropane	EPA 524.2 VOCs in Water	ND	ug/L	0.34	1.1
4-Chlorotoluene	EPA 524.2 VOCs in Water	ND	ug/L	0.20	0.67
tert-Butylbenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.17	0.57
1,2,4-Trimethylbenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.20	0.67
sec-Butylbenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.11	0.37
4-Isopropyltoluene	EPA 524.2 VOCs in Water	ND	ug/L	0.063	0.21
1,3-Dichlorobenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.15	0.50
1,4-Dichlorobenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.22	0.73
n-Butylbenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.15	0.50
1,2-Dichlorobenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.40	1.3
Hexachlorobutadiene	EPA 524.2 VOCs in Water	ND	ug/L	0.52	1.7
1,2,4-Trichlorobenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0
Naphthalene	EPA 524.2 VOCs in Water	ND	ug/L	0.30	1.0
1,2,3-Trichlorobenzene	EPA 524.2 VOCs in Water	ND	ug/L	0.19	0.63

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