

From: Karen Dorow <kdorow@manitowoc.org>
Sent: Tuesday, July 6, 2021 3:39 PM
To: Beggs, Tauren R - DNR
Cc: GravelPit
Subject: 3201 S 15th St. Homeowner Results
Attachments: 3201 S 15th St Lutzke homeowner results.pdf

Hi Tauren,

Here is the laboratory results for 3201 S. 15th Street you requested.

Regards,

Karen Dorow | Business Manager
City of Manitowoc
900 Quay Street
Manitowoc, WI 54220
Office (920) 686-6514
Mobile (920) 374-0404



**Wisconsin State
Laboratory of Hygiene**
UNIVERSITY OF WISCONSIN-MADISON

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

Environmental Health Division

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

WSLH Sample: 530272001

Report To:
WENDY LUTZKE
3201 S. 15TH ST.
MANITOWOC, WI 54220

Invoice To:
WENDY LUTZKE
3201 S. 15TH ST.
MANITOWOC, WI 54220
Customer ID: 355722

Collection Date: 10/8/2020 9:00:00 AM
Owner:

Collected By: STEVE + WENDY LUTZKE
Well Completion Date:

Unique Well #: NA
Well Construction:
County:
Driller or Pump Installers License #:
Sampling Location: 3201 S. 15TH ST MANITOWOC, WI 54220
Sampling Point: OTHER

Date Received: 10/9/2020
Date Reported: 10/26/2020
Sample Reason: INVESTIGATION

Sample Comments

This sample was analyzed for Volatile Organic Compounds (VOCs) using a qualitative technique and is intended to be a screening tool to provide a general profile for the presence of VOCs. The concentrations of the VOCs present should be considered approximate.

SAMPLE SOURCE: FIRST TAP OFF FROM THE WELL

FIRST DRAWN AFTER 5 MIN

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 10/13/20 13:20		Analysis Date: 10/13/20 13:20			
Dichlorodifluoromethane	VOC Homeowner	ND	ug/L		
Chloromethane	VOC Homeowner	ND	ug/L	2.0	2.0
Vinyl chloride	VOC Homeowner	0.22	ug/L	2.0	2.0
Bromomethane	VOC Homeowner	ND	ug/L	0.20	0.20
Chloroethane	VOC Homeowner	ND	ug/L	2.0	2.0
Trichlorofluoromethane	VOC Homeowner	ND	ug/L	2.0	2.0
1,1-Dichloroethene	VOC Homeowner	ND	ug/L	2.0	2.0
Carbon disulfide	VOC Homeowner	ND	ug/L	2.0	2.0
Trichlorotrifluoroethane	VOC Homeowner	ND	ug/L	2.0	2.0



Environmental Health Division

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

WSLH Sample: 530272001

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 10/13/20 13:20	Analysis Date: 10/13/20 13:20				
Methylene chloride	VOC Homeowner	ND	ug/L	2.0	2.0
Acetone	VOC Homeowner	ND	ug/L	10	10
trans-1,2-Dichloroethene	VOC Homeowner	ND	ug/L	2.0	2.0
Hexane	VOC Homeowner	ND	ug/L	2.0	2.0
Methyl tert-Butyl ether (MTBE)	VOC Homeowner	ND	ug/L	2.0	2.0
Isopropyl Ether	VOC Homeowner	ND	ug/L	2.0	2.0
1,1-Dichloroethane	VOC Homeowner	ND	ug/L	2.0	2.0
cis-1,2-Dichloroethene	VOC Homeowner	ND	ug/L	2.0	2.0
2,2-Dichloropropane	VOC Homeowner	ND	ug/L	2.0	2.0
Bromochloromethane	VOC Homeowner	ND	ug/L	2.0	2.0
Chloroform	VOC Homeowner	ND	ug/L	2.0	2.0
Carbon tetrachloride	VOC Homeowner	ND	ug/L	2.0	2.0
Tetrahydrofuran	VOC Homeowner	ND	ug/L	2.0	2.0
1,1,1-Trichloroethane	VOC Homeowner	ND	ug/L	10	10
1,1-Dichloropropene	VOC Homeowner	ND	ug/L	2.0	2.0
Methyl Ethyl Ketone (MEK)	VOC Homeowner	ND	ug/L	2.0	2.0
Benzene	VOC Homeowner	ND	ug/L	10	10
1,2-Dichloroethane	VOC Homeowner	ND	ug/L	2.0	2.0
Trichloroethene	VOC Homeowner	ND	ug/L	2.0	2.0
Dibromomethane	VOC Homeowner	ND	ug/L	2.0	2.0
1,2-Dichloropropane	VOC Homeowner	ND	ug/L	2.0	2.0
Bromodichloromethane	VOC Homeowner	ND	ug/L	2.0	2.0
cis-1,3-Dichloropropene	VOC Homeowner	ND	ug/L	2.0	2.0
Toluene	VOC Homeowner	ND	ug/L	2.0	2.0
Tetrachloroethene	VOC Homeowner	ND	ug/L	2.0	2.0
Methyl isobutyl ketone	VOC Homeowner	ND	ug/L	2.0	2.0
trans-1,3-Dichloropropene	VOC Homeowner	ND	ug/L	10	10
1,1,2-Trichloroethane	VOC Homeowner	ND	ug/L	0.50	0.50
Chlorodibromomethane	VOC Homeowner	ND	ug/L	2.0	2.0
			ug/L	2.0	2.0



Environmental Health Division

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

WSLH Sample: 530272001

VOC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 10/13/20 13:20	Analysis Date: 10/13/20 13:20				
1,3-Dichloropropane	VOC Homeowner	ND	ug/L	2.0	2.0
1,2-Dibromoethane	VOC Homeowner	ND	ug/L	0.50	0.50
Chlorobenzene	VOC Homeowner	ND	ug/L	2.0	2.0
Ethyl Benzene	VOC Homeowner	ND	ug/L	2.0	2.0
1,1,1,2-Tetrachloroethane	VOC Homeowner	ND	ug/L	2.0	2.0
m,p-xylene	VOC Homeowner	ND	ug/L	2.0	2.0
o-Xylene	VOC Homeowner	ND	ug/L	2.0	2.0
Styrene	VOC Homeowner	ND	ug/L	2.0	2.0
Bromoform	VOC Homeowner	ND	ug/L	2.0	2.0
Isopropylbenzene (Cumene)	VOC Homeowner	ND	ug/L	2.0	2.0
Bromobenzene	VOC Homeowner	ND	ug/L	2.0	2.0
n-Propylbenzene	VOC Homeowner	ND	ug/L	2.0	2.0
1,1,2,2-Tetrachloroethane	VOC Homeowner	ND	ug/L	0.50	0.50
2-Chlorotoluene	VOC Homeowner	ND	ug/L	2.0	2.0
1,3,5-Trimethylbenzene	VOC Homeowner	ND	ug/L	2.0	2.0
1,2,3-Trichloropropane	VOC Homeowner	ND	ug/L	2.0	2.0
4-Chlorotoluene	VOC Homeowner	ND	ug/L	2.0	2.0
tert-Butylbenzene	VOC Homeowner	ND	ug/L	2.0	2.0
1,2,4-Trimethylbenzene	VOC Homeowner	ND	ug/L	2.0	2.0
sec-Butylbenzene	VOC Homeowner	ND	ug/L	2.0	2.0
4-Isopropyltoluene	VOC Homeowner	ND	ug/L	2.0	2.0
1,3-Dichlorobenzene	VOC Homeowner	ND	ug/L	2.0	2.0
1,4-Dichlorobenzene	VOC Homeowner	ND	ug/L	2.0	2.0
n-Butylbenzene	VOC Homeowner	ND	ug/L	2.0	2.0
1,2-Dichlorobenzene	VOC Homeowner	ND	ug/L	2.0	2.0
1,2-Dibromo-3-chloropropane	VOC Homeowner	ND	ug/L	1.0	1.0
Hexachlorobutadiene	VOC Homeowner	ND	ug/L	2.0	2.0
1,2,4-Trichlorobenzene	VOC Homeowner	ND	ug/L	2.0	2.0
Naphthalene	VOC Homeowner	ND	ug/L	2.0	2.0



**Wisconsin State
Laboratory of Hygiene**
UNIVERSITY OF WISCONSIN - MADISON

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

Environmental Health Division

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

WSLH Sample: 530272001

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 10/13/20 13:20	Analysis Date: 10/13/20 13:20				
1,2,3-Trichlorobenzene	VOC Homeowner	ND	ug/L	2.0	2.0



**Wisconsin State
Laboratory of Hygiene**
UNIVERSITY OF WISCONSIN-MADISON

Wisconsin State Laboratory of Hygiene
2601 Agriculture Drive, PO Box 1996
Madison, WI 53707-7996
(800)442-4618 - FAX (608)224-6213
<http://www.slh.wisc.edu>

Laboratory Report

Environmental Health Division

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

WSLH Sample: 530272001

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

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: David Webb, Division Director 608-224-6227



**Wisconsin State
Laboratory of Hygiene**
UNIVERSITY OF WISCONSIN-MADISON

Wisconsin State Laboratory of Hygiene
2601 Agriculture Drive, PO Box 7906
Madison, WI 53707-7906
(800)442-4618 - FAX (608)224-6113
<http://www.slh.wisc.edu>

Laboratory Report

Environmental Health Division

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

WSLH Sample: 530272001

Drinking Water Standards for Result Interpretation

Parameter	Public Health Standard	Public Welfare Standard	Lifetime Health Advisory Limit
Aluminum	200 ug/L		
Arsenic (Total)	10 ug/L		
Atrazine*	3.0 ppb		
Cadmium	5 ug/L		
Calcium	No standard		
Chromium (Total)	100 ug/L		
Cobalt	40 ug/L		
Copper	1300 ug/L		
Fluoride	See below		
Hardness	No standard (see below)		
Iron		0.3 mg/L	
Lead	15 ug/L		
Magnesium	No standard		
Manganese	300 ug/L	50 ug/L	
Molybdenum			90 ug/L **
Nickel	100 ug/L		
Nitrate	10 mg/L		
Nitrate + Nitrite	10 mg/L		
Nitrite	1 mg/L		
Strontium			4000 ug/L (EPA)
Vanadium	30 ug/L		
Zinc		5000 ug/L	

Note: This table does not contain a complete list of standards. A complete list can be found in s. NR 140, Wis. Adm. Code.

Public Health Standard: Limit above which the water should not be consumed or used for food preparation. (s. NR 140.10, Wis. Adm. Code)

Public Welfare Standard: Limit above which the substance may adversely affect the cosmetic or aesthetic quality of drinking water. (s. NR 140.12, Wis. Adm. Code)

Lifetime Health Advisory Limit: Consuming water below this limit for a lifetime is not expected to cause adverse health effects. (United States Environmental Protection Agency (EPA) or Wisconsin Dept. of Health Services (WI DHS))

*The Atrazine standard includes Atrazine and its breakdown products.

**NR 140 currently lists a Public Health Standard for Molybdenum of 40 ug/L, however this number is based on the EPA Lifetime Health Advisory Limit which is currently under review. The 90 ug/L Lifetime Health Advisory is recommended by the WI Dept of Health Services and should be used in the evaluation of the safety of your drinking water.

Other analytes:	Concentration:	Interpretation:
Fluoride	0.7 mg/L	Optimal
	>2.0 mg/L	Children under 8 should not consume
	>4.0 mg/L	Children and adults should not consume
Hardness	<17.1 mg/L	Soft
	17.1-60 mg/L	Slightly hard
	60-120 mg/L	Moderately hard
	120-180 mg/L	Hard
	>180 mg/L	Very Hard

Suggested websites:
<http://water.epa.gov/>
<http://dnr.wi.gov/>
<http://www.dhs.wisconsin.gov/>

Monday, October 26, 2020 8:35:42 AM
Page 6 of 6

Report ID: 8107449

From: Beggs, Tauren R - DNR
Sent: Monday, May 10, 2021 8:38 AM
To: Karen Dorow
Cc: Chronert, Roxanne N - DNR; GravelPit
Subject: RE: External: Call for Lissa Lane and 15th St, Owner sampling their well

Hi Karen,

I searched through my email records and it only looks like I have the 2019 sampling for that location. This one looks to be a shared well between 3131 and 3201 S 15th St. Looks like Dave also only has this location as a cis-1,2-DCE detection on his most recent potable well map he provided as part of the 5 year VOC sampling plan, so that will need to be fixed in future reports.

Regards,

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Tauren R. Beggs

Phone: (920) 510-3472

Tauren.Beggs@wisconsin.gov (preferred contact method during work at home)

From: Karen Dorow <kdorow@manitowoc.org>
Sent: Friday, May 7, 2021 3:32 PM
To: Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>; GravelPit <GravelPit@manitowoc.org>
Cc: Chronert, Roxanne N - DNR <Roxanne.Chronert@wisconsin.gov>
Subject: RE: External: Call for Lissa Lane and 15th St, Owner sampling their well

Hello,

I spoke with the property owner at 1710 Lissa Lane. The neighbor that had their well tested and it came back with an exceedance was 3131 15th Street back in November of 2020. I believe you were notified and the results were forwarded to you. They were set up with bottled water in November 2020.

He said he will make sure that we get copies of the results from his testing.

Karen Dorow | Business Manager
City of Manitowoc
900 Quay Street
Manitowoc, WI 54220
Office (920) 686-6514
Mobile (920) 374-0404

From: Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>
Sent: Friday, May 7, 2021 11:04 AM
To: Karen Dorow <kdorow@manitowoc.org>; GravelPit <GravelPit@manitowoc.org>

Cc: Chronert, Roxanne N - DNR <Roxanne.Chronert@wisconsin.gov>
Subject: RE: External: Call for Lissa Lane and 15th St, Owner sampling their well

Hi Karen,

Thanks for the follow up. Please let me know what else you find out.

Regards,

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Tauren R. Beggs

Phone: (920) 510-3472

Tauren.Beggs@wisconsin.gov (preferred contact method during work at home)

From: Karen Dorow <kdorow@manitowoc.org>
Sent: Friday, May 7, 2021 11:00 AM
To: Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>; GravelPit <GravelPit@manitowoc.org>
Cc: Chronert, Roxanne N - DNR <Roxanne.Chronert@wisconsin.gov>
Subject: RE: External: Call for Lissa Lane and 15th St, Owner sampling their well

Hello again,

I did receive several calls last week that the Town of Manitowoc had their annual meeting and talked about the contamination. I answered everyone who called with questions with the same information. I am not sure who they are contacting if they are frustrated. Everyone I have spoken to was happy with the information.

Karen Dorow | Business Manager
City of Manitowoc
900 Quay Street
Manitowoc, WI 54220
Office (920) 686-6514
Mobile (920) 374-0404

From: Karen Dorow
Sent: Friday, May 7, 2021 10:57 AM
To: 'Beggs, Tauren R - DNR' <Tauren.Beggs@wisconsin.gov>; GravelPit <GravelPit@manitowoc.org>
Cc: Chronert, Roxanne N - DNR <Roxanne.Chronert@wisconsin.gov>
Subject: RE: External: Call for Lissa Lane and 15th St, Owner sampling their well

Good morning,

I am looking into this one. I am not aware of anyone new being provided bottled water. I left a message for the property owner on Lissa Lane. As soon as I have more information I will let everyone know.

Karen Dorow | Business Manager
City of Manitowoc
900 Quay Street
Manitowoc, WI 54220
Office (920) 686-6514
Mobile (920) 374-0404

From: Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>
Sent: Thursday, May 6, 2021 12:16 PM
To: GravelPit <GravelPit@manitowoc.org>
Cc: Chronert, Roxanne N - DNR <Roxanne.Chronert@wisconsin.gov>
Subject: External: Call for Lissa Lane and 15th St, Owner sampling their well

Hello everyone,

I received a call from the property owner at 1710 Lissa Lane. He indicated to me that he talked to a property owner on 15th St that recently sampled their own well, which found hits above the enforcement standard that did not previously have a detection above standards. My understanding based on what he told me is Karen talked to the person on 15th Street and got them on bottled water. I don't believe I have seen the results for that impacted well on 15th Street. He indicated he also sampled his well and was waiting to get the results back from the lab. He was calm but indicated he and others are frustrated because they are not getting answers/information or are getting mixed messages on what is going to happen next and if sampling was going to be happening again.

I gave him the information for the recent 5 year sampling work plan that was submitted and indicated there will be additional sampling completed in May 2021, with additional sampling happening in the future as well. I also told him about the public event in June again. He indicated he would like to have an in person event, but I told him DNR still isn't able to do that at this time due to COVID, but that the virtual event is intended to provide information and address their questions that they have.

Can you forward me the information for the impacted well on 15th Street?

I asked that this person relay the information to the property owner on 15th Street to provide me with their private well sampling results and have him provide me and the City the results once he receives his.

Regards,

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Tauren R. Beggs

Hydrogeologist & Northeast Region Land Recycling Expert
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2984 Shawano Ave
Green Bay, WI 54313
Phone: (920) 510-3472