

State of Wisconsin  
DEPARTMENT OF NATURAL RESOURCES  
Agriculture Services Center  
3369 W Brewster Street  
Appleton WI 54914-1602

Scott Walker, Governor  
Cathy Stepp, Secretary  
Telephone 608-266-2621  
Toll Free 1-888-936-7463  
TTY Access via relay - 711



January 8, 2014

Michael & Dawn Endries  
3609 M&M Lane  
Manitowoc WI 54220

Subject: Water sample results from sampling of the private well located in the SE of the SE of Sec. 3, Newton Township, Manitowoc County. WUWN: PX646.

Dear Mr. & Mrs. Endries:

Enclosed are copies of the water sample results from the December 4, and December 16, 2013 sampling of your well water. Samples were collected and analyzed for VOCs (Volatile Organic Compounds). Sampling was done as part of an ongoing effort to sample wells around the old Town of Newton gravel pit. The State Laboratory of Hygiene reports the following results:

	<u>TEST</u>	<u>RESULT</u>
12/4	VOCs	None Detected
12/16	VOCs	None Detected

I am pleased to inform you that none of the compounds analyzed for were detected in your well water. If you have any questions feel free to call me at (920) 993-7056.

Sincerely,

Liz Heinen  
Drinking & Groundwater Specialist

Cc: Private Water-DG/5

**Wisconsin Department of Natural Resources  
Laboratory Report**

01/08/2014

Lab: 113133790

Sample: 112236001

Page 1 of 3

**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53718  
Phone : 800-442-4618 Fax Phone : 608-224-6213

DNR ID 113133790

**Sample:**

Field #: PX646 ENDRIES  
Collection Start: 12/04/2013 03:00 pm  
Collected by: HEINEN  
ID #: PX646  
County: Manitowoc  
Sample Location: 3609 M & M MANITOWOC, WI  
Sample Description: SAMPLE TAP  
Sample Source: Private (other)  
Date Reported: 12/20/2013  
Project No:

Sample #: 112236001  
Collection End: 12/04/2013 03:00 pm  
Waterbody/Outfall Id:  
ID Point #:  
Account #: DG062

Sample Depth:  
Sample Status: **COMPLETE**  
Sample Reason:

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment			
EPA 524.2 VOCs in Water		12/12/2013				
Code	Description	Result	Units	LOD	Report Limit	LOQ
77562	1,1,1,2-TETRACHLOROETHANE	ND	ug/L	0.15		0.50
34506	1,1,1-TRICHLOROETHANE	ND	ug/L	0.15		0.50
34516	1,1,2,2-TETRACHLOROETHANE	ND	ug/L	0.20		0.66
34511	1,1,2-TRICHLOROETHANE	ND	ug/L	0.15		0.50
34496	1,1-DICHLOROETHANE	ND	ug/L	0.15		0.50
34501	1,1-DICHLOROETHYLENE	ND	ug/L	0.15		0.50
77168	1,1-DICHLOROPROPENE	ND	ug/L	0.15		0.50
77613	1,2,3-TRICHLOROBENZENE	ND	ug/L	0.15		0.50
77443	1,2,3-TRICHLOROPROPANE	ND	ug/L	0.15		0.50
34551	1,2,4-TRICHLOROBENZENE	ND	ug/L	0.15		0.50
77222	1,2,4-TRIMETHYLBENZENE	ND	ug/L	0.15		0.50
38437	1,2-DIBROMO-3- CHLOROPROPANE	ND	ug/L	0.20		0.66
77651	1,2-DIBROMOETHANE	ND	ug/L	0.15		0.50
34536	1,2-DICHLOROBENZENE	ND	ug/L	0.15		0.50
34531	1,2-DICHLOROETHANE	ND	ug/L	0.15		0.50
77093	1,2-DICHLOROETHYLENE CIS	ND	ug/L	0.15		0.50
34546	1,2-DICHLOROETHYLENE TRANS	ND	ug/L	0.15		0.50
34541	1,2-DICHLOROPROPANE	ND	ug/L	0.15		0.50
77226	1,3,5-TRIMETHYLBENZENE	ND	ug/L	0.15		0.50

**Wisconsin Department of Natural Resources  
Laboratory Report**

01/08/2014

Lab: 113133790

Sample: 112236001

Page 1 of 3

**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison  
Phone : 800-442-4618

**DNR ID** 113133790

WI 53718  
Fax Phone : 608-224-6213

**Sample:**

Field #: PX646 ENDRIES  
Collection Start: 12/04/2013 03:00 pm  
Collected by: HEINEN  
ID #: PX646  
County: Manitowoc  
Sample Location: 3609 M & M MANITOWOC, WI  
Sample Description: SAMPLE TAP  
Sample Source: Private (other)  
Date Reported: 12/20/2013  
Project No:

Sample #: 112236001  
Collection End: 12/04/2013 03:00 pm  
Waterbody/Outfall Id:  
ID Point #:  
Account #: DG062

Sample Depth:  
Sample Status: **COMPLETE**  
Sample Reason:

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment			
EPA 524.2 VOCs in Water		12/12/2013				
Code	Description	Result	Units	LOD	Report Limit	LOQ
77562	1,1,1,2-TETRACHLOROETHANE	ND	ug/L	0.15		0.50
34506	1,1,1-TRICHLOROETHANE	ND	ug/L	0.15		0.50
34516	1,1,2,2-TETRACHLOROETHANE	ND	ug/L	0.20		0.66
34511	1,1,2-TRICHLOROETHANE	ND	ug/L	0.15		0.50
34496	1,1-DICHLOROETHANE	ND	ug/L	0.15		0.50
34501	1,1-DICHLOROETHYLENE	ND	ug/L	0.15		0.50
77168	1,1-DICHLOROPROPENE	ND	ug/L	0.15		0.50
77613	1,2,3-TRICHLOROBENZENE	ND	ug/L	0.15		0.50
77443	1,2,3-TRICHLOROPROPANE	ND	ug/L	0.15		0.50
34551	1,2,4-TRICHLOROBENZENE	ND	ug/L	0.15		0.50
77222	1,2,4-TRIMETHYLBENZENE	ND	ug/L	0.15		0.50
38437	1,2-DIBROMO-3- CHLOROPROPANE	ND	ug/L	0.20		0.66
77651	1,2-DIBROMOETHANE	ND	ug/L	0.15		0.50
34536	1,2-DICHLOROBENZENE	ND	ug/L	0.15		0.50
34531	1,2-DICHLOROETHANE	ND	ug/L	0.15		0.50
77093	1,2-DICHLOROETHYLENE CIS	ND	ug/L	0.15		0.50
34546	1,2-DICHLOROETHYLENE TRANS	ND	ug/L	0.15		0.50
34541	1,2-DICHLOROPROPANE	ND	ug/L	0.15		0.50
77226	1,3,5-TRIMETHYLBENZENE	ND	ug/L	0.15		0.50

Wisconsin Department of Natural Resources  
Laboratory Report

01/08/2014

Lab: 113133790

Sample: 1122

Code	Description	Result	Units	
34566	1,3-DICHLOROBENZENE	ND	ug/L	
77173	1,3-DICHLOROPROPANE	ND	ug/L	
34704	1,3-DICHLOROPROPENE-CIS	ND	ug/L	0.15
34699	1,3-DICHLOROPROPENE-TRANS	ND	ug/L	0.15
34571	1,4-DICHLOROBENZENE	ND	ug/L	0.15
77170	2,2-DICHLOROPROPANE	ND	ug/L	0.15
77275	2-CHLOROTOLUENE	ND	ug/L	0.15
34030	BENZENE	ND	ug/L	0.15
81555	BROMOBENZENE	ND	ug/L	0.15
77297	BROMOCHLOROMETHANE	ND	ug/L	0.15
32101	BROMODICHLOROMETHANE	ND	ug/L	0.15
32104	BROMOFORM	ND	ug/L	0.15
34413	BROMOMETHANE	ND	ug/L	0.15
77350	BUTYLBENZENE SEC	ND	ug/L	0.15
77353	BUTYLBENZENE TERT	ND	ug/L	0.15
32102	CARBON TETRACHLORIDE	ND	ug/L	0.15
34301	CHLOROBENZENE	ND	ug/L	0.15
34311	CHLOROETHANE	ND	ug/L	0.15
32106	CHLOROFORM	ND	ug/L	0.15
34418	CHLOROMETHANE	ND	ug/L	0.15
32105	DIBROMOCHLOROMETHANE	ND	ug/L	0.15
77596	DIBROMOMETHANE	ND	ug/L	0.15
34668	DICHLORODIFLUOROMETHANE	ND	ug/L	0.20
34371	ETHYLBENZENE	ND	ug/L	0.15
34391	HEXACHLOROBUTADIENE	ND	ug/L	0.15
77223	ISOPROPYLBENZENE	ND	ug/L	0.15
85795	M/P-XYLENE	ND	ug/L	0.15
78032	METHYL TERT BUTYL ETHER	ND	ug/L	0.15
34423	METHYLENE CHLORIDE	ND	ug/L	0.15
77342	N-BUTYLBENZENE	ND	ug/L	0.15
77224	N-PROPYLBENZENE	ND	ug/L	0.15
34696	NAPHTHALENE	ND	ug/L	0.15
77135	O-XYLENE	ND	ug/L	0.15
77277	P-CHLOROTOLUENE	ND	ug/L	0.15

# Wisconsin Department of Natural Resources Laboratory Report

11/08/2014

Lab: 113133790

Sample: 112236001

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Code	Description	Result	Units	LOD	Report Limit	LOQ
77356	P-ISOPROPYLTOLUENE	ND	ug/L	0.15		0.50
77128	STYRENE	ND	ug/L	0.15		0.50
34475	TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
34010	TOLUENE	ND	ug/L	0.15		0.50
39180	TRICHLOROETHYLENE	ND	ug/L	0.15		0.50
34488	TRICHLOROFLUOROMETHANE	ND	ug/L	0.15		0.50
39175	VINYL CHLORIDE	ND	ug/L	0.20		0.66

Analysis Completed

Code	Description	Result	Units	LOD	Report Limit	LOQ
77356	P-ISOPROPYLTOLUENE	ND	ug/L	0.15		0.50
77128	STYRENE	ND	ug/L	0.15		0.50
34475	TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
34010	TOLUENE	ND	ug/L	0.15		0.50
39180	TRICHLOROETHYLENE	ND	ug/L	0.15		0.50
34488	TRICHLOROFLUOROMETHANE	ND	ug/L	0.15		0.50
39175	VINYL CHLORIDE	ND	ug/L	0.20		0.66
77357	M-ISOPROPYLTOLUENE	ND	ug/L	0.15		0.50
77129	ETHYLENE	ND	ug/L	0.15		0.50
34476	PERCHLOROETHYLENE	ND	ug/L	0.15		0.50
34011	BENZENE	ND	ug/L	0.15		0.50
39181	1,1-DICHLOROETHYLENE	ND	ug/L	0.15		0.50
34489	DICHLORODIFLUOROMETHANE	ND	ug/L	0.15		0.50
39176	1,1-DICHLOROETHANE	ND	ug/L	0.15		0.50
77358	o-CREOSOTE	ND	ug/L	0.15		0.50
77359	m-CREOSOTE	ND	ug/L	0.15		0.50
77360	p-CREOSOTE	ND	ug/L	0.15		0.50
77361	1,2-DICHLOROBENZENE	ND	ug/L	0.15		0.50
77362	1,3-DICHLOROBENZENE	ND	ug/L	0.15		0.50
77363	1,4-DICHLOROBENZENE	ND	ug/L	0.15		0.50
77364	1,1-DICHLOROETHANE	ND	ug/L	0.15		0.50
77365	1,1,1-TRICHLOROETHANE	ND	ug/L	0.15		0.50
77366	1,1,2-TRICHLOROETHANE	ND	ug/L	0.15		0.50
77367	1,1,2,2-TETRACHLOROETHANE	ND	ug/L	0.15		0.50
77368	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77369	1,1,2,2-TETRACHLOROETHANE	ND	ug/L	0.15		0.50
77370	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77371	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77372	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77373	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77374	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77375	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77376	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77377	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77378	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77379	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77380	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77381	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77382	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77383	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77384	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77385	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77386	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77387	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77388	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77389	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77390	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77391	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77392	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77393	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77394	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77395	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77396	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77397	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77398	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77399	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
77400	1,1,2,2-TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50

# Laboratory Report

08/2014

Lab: 113133790

Sample: 114473001

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DNR ID 113133790

**Laboratory:** Wisconsin State Laboratory of Hygiene  
 2601 Agriculture Dr  
 Madison WI 53718  
 Phone: 800-442-4618 Fax Phone: 608-224-6213

**Sample:**

Field #: ENDRIES  
 Collection Start: 12/16/2013 03:05 pm  
 Collected by: HEINEN  
 ID #: PX646  
 County: Manitowoc  
 Sample Location: 3609 M & M MANITOWOC, WI  
 Sample Description: SAMPLE TAP  
 Sample Source: Private (other)  
 Date Reported: 01/07/2014  
 Project No:

Sample #: 114473001  
 Collection End: 12/16/2013 03:05 pm  
 Waterbody/Outfall Id:  
 ID Point #:  
 Account #: RR043

Sample Depth:  
 Sample Status: **COMPLETE**  
 Sample Reason:

**Analyses and Results:**

Analysis Method	Analysis Date	Lab Comment			
EPA 524.2 VOCs in Water	12/30/2013	Analyzed past the 14 days holding time: Method EPA			
<i>Code Description</i>		<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i> <i>LOQ</i>
77562 1,1,1,2-TETRACHLOROETHANE		ND	ug/L	0.15	0.50
34506 1,1,1-TRICHLOROETHANE		ND	ug/L	0.15	0.50
34516 1,1,2,2-TETRACHLOROETHANE		ND	ug/L	0.20	0.66
34511 1,1,2-TRICHLOROETHANE		ND	ug/L	0.15	0.50
34496 1,1-DICHLOROETHANE		ND	ug/L	0.15	0.50
34501 1,1-DICHLOROETHYLENE		ND	ug/L	0.15	0.50
77168 1,1-DICHLOROPROPENE		ND	ug/L	0.15	0.50
77613 1,2,3-TRICHLOROBENZENE		ND	ug/L	0.15	0.50
77443 1,2,3-TRICHLOROPROPANE		ND	ug/L	0.15	0.50
34551 1,2,4-TRICHLOROBENZENE		ND	ug/L	0.15	0.50
77222 1,2,4-TRIMETHYLBENZENE		ND	ug/L	0.15	0.50
38437 1,2-DIBROMO-3-CHLOROPROPANE		ND	ug/L	0.20	0.66
77651 1,2-DIBROMOETHANE		ND	ug/L	0.15	0.50
34536 1,2-DICHLOROBENZENE		ND	ug/L	0.15	0.50
34531 1,2-DICHLOROETHANE		ND	ug/L	0.15	0.50
77093 1,2-DICHLOROETHYLENE CIS		ND	ug/L	0.15	0.50
34546 1,2-DICHLOROETHYLENE TRANS		ND	ug/L	0.15	0.50
34541 1,2-DICHLOROPROPANE		ND	ug/L	0.15	0.50
77226 1,3,5-TRIMETHYLBENZENE		ND	ug/L	0.15	0.50

## Wisconsin Department of Natural Resources

## Laboratory Report

01/08/2014

Lab: 113133790

Sample: 114473001

Code	Description	Result	Units	LOD	Report Limit
34566	1,3-DICHLOROBENZENE	ND	ug/L	0.15	0.50
77173	1,3-DICHLOROPROPANE	ND	ug/L	0.15	0.50
34704	1,3-DICHLOROPROPENE-CIS	ND	ug/L	0.15	0.50
34699	1,3-DICHLOROPROPENE-TRANS	ND	ug/L	0.15	0.50
34571	1,4-DICHLOROBENZENE	ND	ug/L	0.15	0.50
77170	2,2-DICHLOROPROPANE	ND	ug/L	0.15	0.50
77275	2-CHLOROTOLUENE	ND	ug/L	0.15	0.50
34030	BENZENE	ND	ug/L	0.15	0.50
81555	BROMOBENZENE	ND	ug/L	0.15	0.50
77297	BROMOCHLOROMETHANE	ND	ug/L	0.15	0.50
32101	BROMODICHLOROMETHANE	ND	ug/L	0.15	0.50
32104	BROMOFORM	ND	ug/L	0.15	0.50
34413	BROMOMETHANE	ND	ug/L	0.15	0.50
77350	BUTYLBENZENE SEC	ND	ug/L	0.15	0.50
77353	BUTYLBENZENE TERT	ND	ug/L	0.15	0.50
32102	CARBON TETRACHLORIDE	ND	ug/L	0.15	0.50
34301	CHLOROBENZENE	ND	ug/L	0.15	0.50
34311	CHLOROETHANE	ND	ug/L	0.15	0.50
32106	CHLOROFORM	ND	ug/L	0.15	0.50
34418	CHLOROMETHANE	ND	ug/L	0.15	0.50
32105	DIBROMOCHLOROMETHANE	ND	ug/L	0.15	0.50
77596	DIBROMOMETHANE	ND	ug/L	0.15	0.50
34668	DICHLORODIFLUOROMETHANE	ND	ug/L	0.20	0.66
34371	ETHYLBENZENE	ND	ug/L	0.15	0.50
34391	HEXACHLOROBUTADIENE	ND	ug/L	0.15	0.50
77223	ISOPROPYLBENZENE	ND	ug/L	0.15	0.50
85795	M/P-XYLENE	ND	ug/L	0.15	0.50
78032	METHYL TERT BUTYL ETHER	ND	ug/L	0.15	0.50
34423	METHYLENE CHLORIDE	ND	ug/L	0.15	0.50
77342	N-BUTYLBENZENE	ND	ug/L	0.15	0.50
77224	N-PROPYLBENZENE	ND	ug/L	0.15	0.50
34696	NAPHTHALENE	ND	ug/L	0.15	0.50
77135	O-XYLENE	ND	ug/L	0.15	0.50
77277	P-CHLOROTOLUENE	ND	ug/L	0.15	0.50

# Laboratory Report

Lab: 113133790

Sample: 114473001

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Code	Description	Result	Units	LOD	Report Limit	LOQ
77356	P-ISOPROPYLTOLUENE	ND	ug/L	0.15		0.50
77128	STYRENE	ND	ug/L	0.15		0.50
34475	TETRACHLOROETHYLENE	ND	ug/L	0.15		0.50
34010	TOLUENE	ND	ug/L	0.15		0.50
39180	TRICHLOROETHYLENE	ND	ug/L	0.15		0.50
34488	TRICHLOROFLUOROMETHANE	ND	ug/L	0.15		0.50
39175	VINYL CHLORIDE	ND	ug/L	0.20		0.66

mit LOQ  
0.50  
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2014