Eau Claire City-County
Health Department

720 Second Ave, Eau Claire, WI 54703
www.echealthdepartment.org
P: 715-839-4718
F: 715-839-1674

December 13, 2022

Kyle Bauer
6733 Crescent Ave
Eau Claire Wi 54703

Dear Mr. Bauer,

Enclosed are the test results for volatile organic compounds (VOC's) and 1,4-Dioxane for the water sample collected from your well on November 28, 2022. No chemicals were detected in this round of sampling.

If you have any questions regarding your results, please feel free to contact the writer at 715-839-4734.

Sincerely,

Anna Hilger

Anna Hilger
Chemist, Eau Claire City-County Health Department

cc: Matt Thompson, Wisconsin DNR
Dave Jadack, City of Eau Claire WWTP
Shawn Horn, GHD
Ryan Aamot, GHD
Colleen Schian, City of Eau Claire

Enc

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis
Customer: Eau Claire County Health Department **NLS Project: 396906**
Project Description: VOC - Compliance
Project Title: **Template: 524W** **Printed: 12/09/2022 15:22**

K. Bauer DNR 114
6733 Crescent Ave

Sample: 1351413 PW3 Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.11	0.37	5	
Bromobenzene	ND	ug/L	1	0.19	0.63		
Bromochloromethane	ND	ug/L	1	0.15	0.50		
Bromodichloromethane	ND	ug/L	1	0.17	0.56	80	
Bromoform	ND	ug/L	1	0.25	0.82	80	
Bromomethane	ND	ug/L	1	0.30	0.99		
n-Butylbenzene	ND	ug/L	1	0.36	1.2		
sec-Butylbenzene	ND	ug/L	1	0.28	0.94		
tert-Butylbenzene	ND	ug/L	1	0.31	1.0		
Carbon Tetrachloride	ND	ug/L	1	0.19	0.62	5	
Chlorobenzene	ND	ug/L	1	0.20	0.67	100	
Chloroethane	ND	ug/L	1	0.13	0.44		
Chloroform	ND	ug/L	1	0.14	0.45	80	
Chloromethane	ND	ug/L	1	0.27	0.89		
2-Chlorotoluene	ND	ug/L	1	0.21	0.69		
4-Chlorotoluene	ND	ug/L	1	0.19	0.65		
Dibromochloromethane	ND	ug/L	1	0.24	0.79	80	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.39	1.3		
1,2-Dibromoethane	ND	ug/L	1	0.21	0.70		
Dibromomethane	ND	ug/L	1	0.22	0.72		
1,2-Dichlorobenzene	ND	ug/L	1	0.32	1.1	600	
1,3-Dichlorobenzene	ND	ug/L	1	0.28	0.92		
1,4-Dichlorobenzene	ND	ug/L	1	0.29	0.96	75	
Dichlorodifluoromethane	ND	ug/L	1	0.11	0.35		
1,1-Dichloroethane	ND	ug/L	1	0.083	0.28		
1,2-Dichloroethane	ND	ug/L	1	0.13	0.42	5	
1,1-Dichloroethene	ND	ug/L	1	0.14	0.48	7	
cis-1,2-Dichloroethene	ND	ug/L	1	0.15	0.50	70	
trans-1,2-Dichloroethene	ND	ug/L	1	0.11	0.37	100	
1,2-Dichloropropane	ND	ug/L	1	0.16	0.54	5	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.80		
2,2-Dichloropropane	ND	ug/L	1	0.19	0.63		
1,1-Dichloropropene	ND	ug/L	1	0.18	0.60		
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.86		
trans-1,3-Dichloropropene	ND	ug/L	1	0.25	0.83		
Ethylbenzene	ND	ug/L	1	0.21	0.70	700	
Hexachlorobutadiene	ND	ug/L	1	0.31	1.0		
Isopropylbenzene	ND	ug/L	1	0.21	0.71		
p-Isopropyltoluene	ND	ug/L	1	0.30	1.0		
Methylene chloride	ND	ug/L	1	0.38	1.3	5	
Naphthalene	ND	ug/L	1	0.39	1.3		
n-Propylbenzene	ND	ug/L	1	0.23	0.78		
Styrene	ND	ug/L	1	0.19	0.63	100	
ortho-Xylene	ND	ug/L	1	0.24	0.81		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.19	0.65		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.28	0.93		
Tetrachloroethene	ND	ug/L	1	0.49	1.6	5	
Toluene	ND	ug/L	1	0.17	0.58	1000	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.31	1.0		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.28	0.93	70	
1,1,1-Trichloroethane	ND	ug/L	1	0.15	0.50	200	
1,1,2-Trichloroethane	ND	ug/L	1	0.21	0.69	5	
Trichloroethene	ND	ug/L	1	0.17	0.55	5	

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis
Customer: Eau Claire County Health Department NLS Project: 396906
Project Description: VOC - Compliance
Project Title: Template: 524W Printed: 12/09/2022 15:22

Sample: 1351413 PW3 Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.085	0.28		
1,2,3-Trichloropropane	ND	ug/L	1	0.42	1.4		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.26	0.86		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.23	0.76		
Vinyl chloride	ND	ug/L	1	0.087	0.29	.2	
meta,para-Xylene	ND	ug/L	1	0.49	1.6	10000	
MTBE	ND	ug/L	1	0.16	0.52		
4-Bromofluorobenzene (SURR)	79%		1				S
1,2-Dichlorobenzene-d4 (SURR)	77%		1				S

NOTES APPLICABLE TO THIS ANALYSIS:
S = This compound is a surrogate used to evaluate the quality control of a method.

Eau Claire City-County
Health Department

720 Second Ave, Eau Claire, WI 54703
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F: 715-839-1674

December 13, 2022

Kayla Briggs
7590 Crescent Ave
Eau Claire WI 54703

Dear Ms. Briggs:

Enclosed are the test results for volatile organic compounds (VOC's) and 1,4-dioxane for the water samples collected from your well on November 28th.

All VOC chemicals tested were below the health advisory levels. Below is a list of VOC chemicals detected:

Chemical	Result	Health Advisory
1,1,1-Trichloroethane	0.19	200
trans-1,2-Dichloroethene	0.11	100

No 1,4-Dioxane was detected in the water sample collected from your well on November 28th.

1,4-Dioxane is a man-made chemical with a groundwater standard of 3 ug/L and a preventive action limit (PAL) of 0.3 ug/L. The WI DHS Health Advisory is currently 0.35 ug/L. Information on the potential health risk from 1,4-Dioxane is available here:
https://www.dhs.wisconsin.gov/chemical/14dioxane.htm

If you have any questions regarding your results, please feel free to contact Colleen Schian, Risk Manager, at 715-839-4908.
Sincerely,

Anna Hilger

Anna Hilger
Chemist, Eau Claire City-County Health Department

cc: Matt Thompson, Wisconsin DNR
Dave Jadack, City of Eau Claire WWTP
Shawn Horn, GHD
Ryan Aamot, GHD
Colleen Schian, City of Eau Claire

Enc

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis Briggs DNR ID: 110

Customer: Eau Claire County Health Department **NLS Project: 396906** 7590 Crescent Ave

Project Description: VOC - Compliance

Project Title: **Template: 524W** **Printed: 12/09/2022 15:22**

Sample: 1351419 PW13 Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.11	0.37	5	
Bromobenzene	ND	ug/L	1	0.19	0.63		
Bromochloromethane	ND	ug/L	1	0.15	0.50		
Bromodichloromethane	ND	ug/L	1	0.17	0.56	80	
Bromoform	ND	ug/L	1	0.25	0.82	80	
Bromomethane	ND	ug/L	1	0.30	0.99		
n-Butylbenzene	ND	ug/L	1	0.36	1.2		
sec-Butylbenzene	ND	ug/L	1	0.28	0.94		
tert-Butylbenzene	ND	ug/L	1	0.31	1.0		
Carbon Tetrachloride	ND	ug/L	1	0.19	0.62	5	
Chlorobenzene	ND	ug/L	1	0.20	0.67	100	
Chloroethane	ND	ug/L	1	0.13	0.44		
Chloroform	ND	ug/L	1	0.14	0.45	80	
Chloromethane	ND	ug/L	1	0.27	0.89		
2-Chlorotoluene	ND	ug/L	1	0.21	0.69		
4-Chlorotoluene	ND	ug/L	1	0.19	0.65		
Dibromochloromethane	ND	ug/L	1	0.24	0.79	80	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.39	1.3		
1,2-Dibromoethane	ND	ug/L	1	0.21	0.70		
Dibromomethane	ND	ug/L	1	0.22	0.72		
1,2-Dichlorobenzene	ND	ug/L	1	0.32	1.1	600	
1,3-Dichlorobenzene	ND	ug/L	1	0.28	0.92		
1,4-Dichlorobenzene	ND	ug/L	1	0.29	0.96	75	
Dichlorodifluoromethane	ND	ug/L	1	0.11	0.35		
1,1-Dichloroethane	ND	ug/L	1	0.083	0.28		
1,2-Dichloroethane	ND	ug/L	1	0.13	0.42	5	
1,1-Dichloroethene	ND	ug/L	1	0.14	0.48	7	
cis-1,2-Dichloroethene	ND	ug/L	1	0.15	0.50	70	
trans-1,2-Dichloroethene	[0.11]	ug/L	1	0.11	0.37	100	J
1,2-Dichloropropane	ND	ug/L	1	0.16	0.54	5	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.80		
2,2-Dichloropropane	ND	ug/L	1	0.19	0.63		
1,1-Dichloropropene	ND	ug/L	1	0.18	0.60		
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.86		
trans-1,3-Dichloropropene	ND	ug/L	1	0.25	0.83		
Ethylbenzene	ND	ug/L	1	0.21	0.70	700	
Hexachlorobutadiene	ND	ug/L	1	0.31	1.0		
Isopropylbenzene	ND	ug/L	1	0.21	0.71		
p-Isopropyltoluene	ND	ug/L	1	0.30	1.0		
Methylene chloride	ND	ug/L	1	0.38	1.3	5	
Naphthalene	ND	ug/L	1	0.39	1.3		
n-Propylbenzene	ND	ug/L	1	0.23	0.78		
Styrene	ND	ug/L	1	0.19	0.63	100	
ortho-Xylene	ND	ug/L	1	0.24	0.81		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.19	0.65		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.28	0.93		
Tetrachloroethene	ND	ug/L	1	0.49	1.6	5	
Toluene	ND	ug/L	1	0.17	0.58	1000	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.31	1.0		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.28	0.93	70	
1,1,1-Trichloroethane	[0.19]	ug/L	1	0.15	0.50	200	J
1,1,2-Trichloroethane	ND	ug/L	1	0.21	0.69	5	
Trichloroethene	ND	ug/L	1	0.17	0.55	5	

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis
Customer: Eau Claire County Health Department **NLS Project: 396906**
Project Description: VOC - Compliance
Project Title: **Template: 524W** **Printed: 12/09/2022 15:22**

Sample: 1351419 PW13 Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.085	0.28		
1,2,3-Trichloropropane	ND	ug/L	1	0.42	1.4		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.26	0.86		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.23	0.76		
Vinyl chloride	ND	ug/L	1	0.087	0.29	2	
meta,para-Xylene	ND	ug/L	1	0.49	1.6	10000	
MTBE	ND	ug/L	1	0.16	0.52		
4-Bromofluorobenzene (SURR)	86%		1				S
1,2-Dichlorobenzene-d4 (SURR)	84%		1				S

NOTES APPLICABLE TO THIS ANALYSIS:
J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.
S = This compound is a surrogate used to evaluate the quality control of a method.

Eau Claire City-County
Health Department

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December 16, 2022

Gerald Candell
7642 Blue Valley Dr
Eau Claire WI 54703

Dear Mr. Candell:

Enclosed are the test results for volatile organic compounds (VOC's) and 1,4-dioxane for the water samples collected from your well on November 28th. No VOC chemicals were detected in this round of sampling.

Below are the test results for 1,4-dioxane for the water samples collected from your well on November 28th, 2022.

Chemical	Pre-treatment Result	Health Advisory*
1,4-dioxane	0.21	0.35 µg/L

*Although the current groundwater standard is 3 µg/L, in 2019 WI DHS lowered its health advisory to 0.35 µg/L based on updated science. DHS recommends an alternate water source be used for levels above this advisory

1,4-Dioxane is a man-made chemical. Information on the potential health risk from 1,4-Dioxane is available here: https://www.dhs.wisconsin.gov/chemical/14dioxane.htm

If you have any questions regarding your results, please feel free to contact Colleen Schian, Risk Manager, at 715-839-4908.

Sincerely,

Anna Hilger

Anna Hilger
Chemist, Eau Claire City-County Health Department

cc: Matt Thompson, Wisconsin DNR
Dave Jadack, City of Eau Claire WWTP
Shawn Horn, GHD
Ryan Aamot, GHD
Colleen Schian, City of Eau Claire

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis
Customer: Eau Claire County Health Department **NLS Project: 396906**
Project Description: VOC - Compliance
Project Title: **Template: 524W** **Printed: 12/09/2022 15:22**

Candell DNR ID: 214
7642 Blue Valley Dr

Sample: 1351418 PW11 Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.11	0.37	5	
Bromobenzene	ND	ug/L	1	0.19	0.63		
Bromochloromethane	ND	ug/L	1	0.15	0.50		
Bromodichloromethane	ND	ug/L	1	0.17	0.56	80	
Bromoform	ND	ug/L	1	0.25	0.82	80	
Bromomethane	ND	ug/L	1	0.30	0.99		
n-Butylbenzene	ND	ug/L	1	0.36	1.2		
sec-Butylbenzene	ND	ug/L	1	0.28	0.94		
tert-Butylbenzene	ND	ug/L	1	0.31	1.0		
Carbon Tetrachloride	ND	ug/L	1	0.19	0.62	5	
Chlorobenzene	ND	ug/L	1	0.20	0.67	100	
Chloroethane	ND	ug/L	1	0.13	0.44		
Chloroform	ND	ug/L	1	0.14	0.45	80	
Chloromethane	ND	ug/L	1	0.27	0.89		
2-Chlorotoluene	ND	ug/L	1	0.21	0.69		
4-Chlorotoluene	ND	ug/L	1	0.19	0.65		
Dibromochloromethane	ND	ug/L	1	0.24	0.79	80	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.39	1.3		
1,2-Dibromoethane	ND	ug/L	1	0.21	0.70		
Dibromomethane	ND	ug/L	1	0.22	0.72		
1,2-Dichlorobenzene	ND	ug/L	1	0.32	1.1	600	
1,3-Dichlorobenzene	ND	ug/L	1	0.28	0.92		
1,4-Dichlorobenzene	ND	ug/L	1	0.29	0.96	75	
Dichlorodifluoromethane	ND	ug/L	1	0.11	0.35		
1,1-Dichloroethane	ND	ug/L	1	0.083	0.28		
1,2-Dichloroethane	ND	ug/L	1	0.13	0.42	5	
1,1-Dichloroethene	ND	ug/L	1	0.14	0.48	7	
cis-1,2-Dichloroethene	ND	ug/L	1	0.15	0.50	70	
trans-1,2-Dichloroethene	ND	ug/L	1	0.11	0.37	100	
1,2-Dichloropropane	ND	ug/L	1	0.16	0.54	5	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.80		
2,2-Dichloropropane	ND	ug/L	1	0.19	0.63		
1,1-Dichloropropene	ND	ug/L	1	0.18	0.60		
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.86		
trans-1,3-Dichloropropene	ND	ug/L	1	0.25	0.83		
Ethylbenzene	ND	ug/L	1	0.21	0.70	700	
Hexachlorobutadiene	ND	ug/L	1	0.31	1.0		
Isopropylbenzene	ND	ug/L	1	0.21	0.71		
p-Isopropyltoluene	ND	ug/L	1	0.30	1.0		
Methylene chloride	ND	ug/L	1	0.38	1.3	5	
Naphthalene	ND	ug/L	1	0.39	1.3		
n-Propylbenzene	ND	ug/L	1	0.23	0.78		
Styrene	ND	ug/L	1	0.19	0.63	100	
ortho-Xylene	ND	ug/L	1	0.24	0.81		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.19	0.65		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.28	0.93		
Tetrachloroethene	ND	ug/L	1	0.49	1.6	5	
Toluene	ND	ug/L	1	0.17	0.58	1000	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.31	1.0		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.28	0.93	70	
1,1,1-Trichloroethane	ND	ug/L	1	0.15	0.50	200	
1,1,2-Trichloroethane	ND	ug/L	1	0.21	0.69	5	
Trichloroethene	ND	ug/L	1	0.17	0.55	5	

Sample: 1351418 PW11 Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.085	0.28		
1,2,3-Trichloropropane	ND	ug/L	1	0.42	1.4		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.26	0.86		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.23	0.76		
Vinyl chloride	ND	ug/L	1	0.087	0.29	.2	
meta,para-Xylene	ND	ug/L	1	0.49	1.6	10000	
MTBE	ND	ug/L	1	0.16	0.52		
4-Bromofluorobenzene (SURR)	83%		1				S
1,2-Dichlorobenzene-d4 (SURR)	81%		1				S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

Eau Claire City-County
Health Department

720 Second Ave, Eau Claire, WI 54703
www.echealthdepartment.org
P: 715-839-4718
F: 715-839-1674

December 13, 2022

Holly Goss
6606 Crescent Ave
Eau Claire Wi 54703

Dear Ms. Goss,

Enclosed are the test results for volatile organic compounds (VOC's) and 1,4-Dioxane for the water sample collected from your well on November 28, 2022. No chemicals were detected in this round of sampling.

If you have any questions regarding your results, please feel free to contact the writer at 715-839-4734.

Sincerely,

Anna Hilger

Anna Hilger
Chemist, Eau Claire City-County Health Department

cc: Matt Thompson, Wisconsin DNR
Dave Jadack, City of Eau Claire WWTP
Shawn Horn, GHD
Ryan Aamot, GHD
Colleen Schian, City of Eau Claire

Enc

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis Gross DNR: 112

Customer: Eau Claire County Health Department **NLS Project: 396906** 66606 Crescent Ave

Project Description: VOC - Compliance

Project Title: **Template: 524W** **Printed: 12/09/2022 15:22**

Sample: 1351412 PWS: Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.11	0.37	5	
Bromobenzene	ND	ug/L	1	0.19	0.63		
Bromochloromethane	ND	ug/L	1	0.15	0.50		
Bromodichloromethane	ND	ug/L	1	0.17	0.56	80	
Bromoform	ND	ug/L	1	0.25	0.82	80	
Bromomethane	ND	ug/L	1	0.30	0.99		
n-Butylbenzene	ND	ug/L	1	0.36	1.2		
sec-Butylbenzene	ND	ug/L	1	0.28	0.94		
tert-Butylbenzene	ND	ug/L	1	0.31	1.0		
Carbon Tetrachloride	ND	ug/L	1	0.19	0.62	5	
Chlorobenzene	ND	ug/L	1	0.20	0.67	100	
Chloroethane	ND	ug/L	1	0.13	0.44		
Chloroform	ND	ug/L	1	0.14	0.45	80	
Chloromethane	ND	ug/L	1	0.27	0.89		
2-Chlorotoluene	ND	ug/L	1	0.21	0.69		
4-Chlorotoluene	ND	ug/L	1	0.19	0.65		
Dibromochloromethane	ND	ug/L	1	0.24	0.79	80	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.39	1.3		
1,2-Dibromoethane	ND	ug/L	1	0.21	0.70		
Dibromomethane	ND	ug/L	1	0.22	0.72		
1,2-Dichlorobenzene	ND	ug/L	1	0.32	1.1	600	
1,3-Dichlorobenzene	ND	ug/L	1	0.28	0.92		
1,4-Dichlorobenzene	ND	ug/L	1	0.29	0.96	75	
Dichlorodifluoromethane	ND	ug/L	1	0.11	0.35		
1,1-Dichloroethane	ND	ug/L	1	0.083	0.28		
1,2-Dichloroethane	ND	ug/L	1	0.13	0.42	5	
1,1-Dichloroethene	ND	ug/L	1	0.14	0.48	7	
cis-1,2-Dichloroethene	ND	ug/L	1	0.15	0.50	70	
trans-1,2-Dichloroethene	ND	ug/L	1	0.11	0.37	100	
1,2-Dichloropropane	ND	ug/L	1	0.16	0.54	5	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.80		
2,2-Dichloropropane	ND	ug/L	1	0.19	0.63		
1,1-Dichloropropene	ND	ug/L	1	0.18	0.60		
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.86		
trans-1,3-Dichloropropene	ND	ug/L	1	0.25	0.83		
Ethylbenzene	ND	ug/L	1	0.21	0.70	700	
Hexachlorobutadiene	ND	ug/L	1	0.31	1.0		
Isopropylbenzene	ND	ug/L	1	0.21	0.71		
p-Isopropyltoluene	ND	ug/L	1	0.30	1.0		
Methylene chloride	ND	ug/L	1	0.38	1.3	5	
Naphthalene	ND	ug/L	1	0.39	1.3		
n-Propylbenzene	ND	ug/L	1	0.23	0.78		
Styrene	ND	ug/L	1	0.19	0.63	100	
ortho-Xylene	ND	ug/L	1	0.24	0.81		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.19	0.65		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.28	0.93		
Tetrachloroethene	ND	ug/L	1	0.49	1.6	5	
Toluene	ND	ug/L	1	0.17	0.58	1000	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.31	1.0		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.28	0.93	70	
1,1,1-Trichloroethane	ND	ug/L	1	0.15	0.50	200	
1,1,2-Trichloroethane	ND	ug/L	1	0.21	0.69	5	
Trichloroethene	ND	ug/L	1	0.17	0.55	5	

Sample: 1351412 PW15 Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.085	0.28		
1,2,3-Trichloropropane	ND	ug/L	1	0.42	1.4		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.26	0.86		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.23	0.76		
Vinyl chloride	ND	ug/L	1	0.087	0.29	.2	
meta,para-Xylene	ND	ug/L	1	0.49	1.6	10000	
MTBE	ND	ug/L	1	0.16	0.52		
4-Bromofluorobenzene (SURR)	87%		1				S
1,2-Dichlorobenzene-d4 (SURR)	87%		1				S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

Eau Claire City-County
Health Department

720 Second Ave, Eau Claire, WI 54703
www.echealthdepartment.org
P: 715-839-4718
F: 715-839-1674

December 13, 2022

Julie Hayden
8311 Rambil Rd
Eau Claire Wi 54703

Dear Ms. Hayden,

Enclosed are the test results for volatile organic compounds (VOC's) and 1,4-Dioxane for the water sample collected from your well on November 28, 2022. No chemicals were detected in this round of sampling.

If you have any questions regarding your results, please feel free to contact the writer at 715-839-4734.

Sincerely,

Anna Hilger

Anna Hilger
Chemist, Eau Claire City-County Health Department

cc: Matt Thompson, Wisconsin DNR
Dave Jadack, City of Eau Claire WWTP
Shawn Horn, GHD
Ryan Aamot, GHD
Colleen Schian, City of Eau Claire

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ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis
Customer: Eau Claire County Health Department **NLS Project: 396906**
Project Description: VOC - Compliance
Project Title: **Template: 524W** **Printed: 12/09/2022 15:22**

Hayden DNR ID: 244
8311 Rambil Rd

Sample: 1351417 PW38 Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.11	0.37	5	
Bromobenzene	ND	ug/L	1	0.19	0.63		
Bromochloromethane	ND	ug/L	1	0.15	0.50		
Bromodichloromethane	ND	ug/L	1	0.17	0.56	80	
Bromoform	ND	ug/L	1	0.25	0.82	80	
Bromomethane	ND	ug/L	1	0.30	0.99		
n-Butylbenzene	ND	ug/L	1	0.36	1.2		
sec-Butylbenzene	ND	ug/L	1	0.28	0.94		
tert-Butylbenzene	ND	ug/L	1	0.31	1.0		
Carbon Tetrachloride	ND	ug/L	1	0.19	0.62	5	
Chlorobenzene	ND	ug/L	1	0.20	0.67	100	
Chloroethane	ND	ug/L	1	0.13	0.44		
Chloroform	ND	ug/L	1	0.14	0.45	80	
Chloromethane	ND	ug/L	1	0.27	0.89		
2-Chlorotoluene	ND	ug/L	1	0.21	0.69		
4-Chlorotoluene	ND	ug/L	1	0.19	0.65		
Dibromochloromethane	ND	ug/L	1	0.24	0.79	80	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.39	1.3		
1,2-Dibromoethane	ND	ug/L	1	0.21	0.70		
Dibromomethane	ND	ug/L	1	0.22	0.72		
1,2-Dichlorobenzene	ND	ug/L	1	0.32	1.1	600	
1,3-Dichlorobenzene	ND	ug/L	1	0.28	0.92		
1,4-Dichlorobenzene	ND	ug/L	1	0.29	0.96	75	
Dichlorodifluoromethane	ND	ug/L	1	0.11	0.35		
1,1-Dichloroethane	ND	ug/L	1	0.083	0.28		
1,2-Dichloroethane	ND	ug/L	1	0.13	0.42	5	
1,1-Dichloroethene	ND	ug/L	1	0.14	0.48	7	
cis-1,2-Dichloroethene	ND	ug/L	1	0.15	0.50	70	
trans-1,2-Dichloroethene	ND	ug/L	1	0.11	0.37	100	
1,2-Dichloropropane	ND	ug/L	1	0.16	0.54	5	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.80		
2,2-Dichloropropane	ND	ug/L	1	0.19	0.63		
1,1-Dichloropropene	ND	ug/L	1	0.18	0.60		
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.86		
trans-1,3-Dichloropropene	ND	ug/L	1	0.25	0.83		
Ethylbenzene	ND	ug/L	1	0.21	0.70	700	
Hexachlorobutadiene	ND	ug/L	1	0.31	1.0		
Isopropylbenzene	ND	ug/L	1	0.21	0.71		
p-Isopropyltoluene	ND	ug/L	1	0.30	1.0		
Methylene chloride	ND	ug/L	1	0.38	1.3	5	
Naphthalene	ND	ug/L	1	0.39	1.3		
n-Propylbenzene	ND	ug/L	1	0.23	0.78		
Styrene	ND	ug/L	1	0.19	0.63	100	
ortho-Xylene	ND	ug/L	1	0.24	0.81		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.19	0.65		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.28	0.93		
Tetrachloroethene	ND	ug/L	1	0.49	1.6	5	
Toluene	ND	ug/L	1	0.17	0.58	1000	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.31	1.0		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.28	0.93	70	
1,1,1-Trichloroethane	ND	ug/L	1	0.15	0.50	200	
1,1,2-Trichloroethane	ND	ug/L	1	0.21	0.69	5	
Trichloroethene	ND	ug/L	1	0.17	0.55	5	

Sample: 1351417 PW38 Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.085	0.28		
1,2,3-Trichloropropane	ND	ug/L	1	0.42	1.4		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.26	0.86		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.23	0.76		
Vinyl chloride	ND	ug/L	1	0.087	0.29	.2	
meta,para-Xylene	ND	ug/L	1	0.49	1.6	10000	
MTBE	ND	ug/L	1	0.16	0.52		
4-Bromofluorobenzene (SURR)	89%		1				S
1,2-Dichlorobenzene-d4 (SURR)	87%		1				S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

Eau Claire City-County
Health Department

720 Second Ave, Eau Claire, WI 54703
www.echealthdepartment.org
P: 715-839-4718
F: 715-839-1674

December 13, 2022

David Hovland
7811 Blue Valley Dr
Eau Claire WI 54703

Dear Mr. Hovland:

Enclosed are the test results for volatile organic compounds (VOC's) and 1,4-dioxane for the water samples collected from your well on. No VOC chemicals were detected in this round of sampling.

Below are the test results for 1,4-dioxane for the water samples collected from your well November 29th, 2022.

Chemical	Pre-treatment Result	Health Advisory*
1,4-dioxane	0.12	0.35 µg/L

*Although the current groundwater standard is 3 µg/L, in 2019 WI DHS lowered its health advisory to 0.35 µg/L based on updated science. DHS recommends an alternate water source be used for levels above this advisory

1,4-Dioxane is a man-made chemical. Information on the potential health risk from 1,4-Dioxane is available here: https://www.dhs.wisconsin.gov/chemical/14dioxane.htm

If you have any questions regarding your results, please feel free to contact Colleen Schian, Risk Manager, at 715-839-4908.

Sincerely,

Anna Hilger

Anna Hilger
Chemist, Eau Claire City-County Health Department

cc: Matt Thompson, Wisconsin DNR
Dave Jadack, City of Eau Claire WWTP
Shawn Horn, GHD
Ryan Aamot, GHD
Colleen Schian, City of Eau Claire

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis Hovland DNR ID: 208

Customer: Eau Claire County Health Department **NLS Project: 396906**

Project Description: VOC - Compliance

Project Title: **Template: 524W** **Printed: 12/09/2022 15:22** 7811 Blue Valley Dr

Sample: 1351415 PW8 Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.11	0.37	5	
Bromobenzene	ND	ug/L	1	0.19	0.63		
Bromochloromethane	ND	ug/L	1	0.15	0.50		
Bromodichloromethane	ND	ug/L	1	0.17	0.56	80	
Bromoform	ND	ug/L	1	0.25	0.82	80	
Bromomethane	ND	ug/L	1	0.30	0.99		
n-Butylbenzene	ND	ug/L	1	0.36	1.2		
sec-Butylbenzene	ND	ug/L	1	0.28	0.94		
tert-Butylbenzene	ND	ug/L	1	0.31	1.0		
Carbon Tetrachloride	ND	ug/L	1	0.19	0.62	5	
Chlorobenzene	ND	ug/L	1	0.20	0.67	100	
Chloroethane	ND	ug/L	1	0.13	0.44		
Chloroform	ND	ug/L	1	0.14	0.45	80	
Chloromethane	ND	ug/L	1	0.27	0.89		
2-Chlorotoluene	ND	ug/L	1	0.21	0.69		
4-Chlorotoluene	ND	ug/L	1	0.19	0.65		
Dibromochloromethane	ND	ug/L	1	0.24	0.79	80	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.39	1.3		
1,2-Dibromoethane	ND	ug/L	1	0.21	0.70		
Dibromomethane	ND	ug/L	1	0.22	0.72		
1,2-Dichlorobenzene	ND	ug/L	1	0.32	1.1	600	
1,3-Dichlorobenzene	ND	ug/L	1	0.28	0.92		
1,4-Dichlorobenzene	ND	ug/L	1	0.29	0.96	75	
Dichlorodifluoromethane	ND	ug/L	1	0.11	0.35		
1,1-Dichloroethane	ND	ug/L	1	0.083	0.28		
1,2-Dichloroethane	ND	ug/L	1	0.13	0.42	5	
1,1-Dichloroethene	ND	ug/L	1	0.14	0.48	7	
cis-1,2-Dichloroethene	ND	ug/L	1	0.15	0.50	70	
trans-1,2-Dichloroethene	ND	ug/L	1	0.11	0.37	100	
1,2-Dichloropropane	ND	ug/L	1	0.16	0.54	5	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.80		
2,2-Dichloropropane	ND	ug/L	1	0.19	0.63		
1,1-Dichloropropene	ND	ug/L	1	0.18	0.60		
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.86		
trans-1,3-Dichloropropene	ND	ug/L	1	0.25	0.83		
Ethylbenzene	ND	ug/L	1	0.21	0.70	700	
Hexachlorobutadiene	ND	ug/L	1	0.31	1.0		
Isopropylbenzene	ND	ug/L	1	0.21	0.71		
p-Isopropyltoluene	ND	ug/L	1	0.30	1.0		
Methylene chloride	ND	ug/L	1	0.38	1.3	5	
Naphthalene	ND	ug/L	1	0.39	1.3		
n-Propylbenzene	ND	ug/L	1	0.23	0.78		
Styrene	ND	ug/L	1	0.19	0.63	100	
ortho-Xylene	ND	ug/L	1	0.24	0.81		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.19	0.65		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.28	0.93		
Tetrachloroethene	ND	ug/L	1	0.49	1.6	5	
Toluene	ND	ug/L	1	0.17	0.58	1000	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.31	1.0		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.28	0.93	70	
1,1,1-Trichloroethane	ND	ug/L	1	0.15	0.50	200	
1,1,2-Trichloroethane	ND	ug/L	1	0.21	0.69	5	
Trichloroethene	ND	ug/L	1	0.17	0.55	5	

Sample: 1351415 PWS Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.085	0.28		
1,2,3-Trichloropropane	ND	ug/L	1	0.42	1.4		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.26	0.86		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.23	0.76		
Vinyl chloride	ND	ug/L	1	0.087	0.29	.2	
meta,para-Xylene	ND	ug/L	1	0.49	1.6	10000	
MTBE	ND	ug/L	1	0.16	0.52		
4-Bromofluorobenzene (SURR)	94%		1				S
1,2-Dichlorobenzene-d4 (SURR)	94%		1				S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

Eau Claire City-County
Health Department

720 Second Ave, Eau Claire, WI 54703
www.echealthdepartment.org
P: 715-839-4718
F: 715-839-1674

December 13, 2022

Richard Huset
7629 Blue Valley Dr
Eau Claire WI 54703

Dear Mr. Huset:

Enclosed are the test results for volatile organic compounds (VOC's) and 1,4-dioxane for the water samples collected from your well on November 29th.

All VOC chemicals tested were below the health advisory levels. Below is a list of VOC chemicals detected:

Chemical	Result	Health Advisory
Dichlorodifluoromethane	0.17	N/A
1,1-Dichloroethane	2.1	N/A
1,2-Dichloroethane	0.15	5
Cis-1,2-Dichloroethene	0.64	70
1,1,1-Trichloroethane	0.15	200

Below are the test results for 1,4-dioxane for the water samples collected from your well on November 29th, 2022.

Chemical	Pre-treatment Result	Health Advisory*
1,4-dioxane	12	0.35 µg/L

*Although the current groundwater standard is 3 µg/L, in 2019 WI DHS lowered its health advisory to 0.35 µg/L based on updated science. DHS recommends an alternate water source be used for levels above this advisory

To limit exposure to 1,4-dioxane it is recommended that you use an alternate water source for drinking and cooking. Wisconsin Department of Health Services (DHS) determined that reducing long-term ingestion of 1,4-dioxane will make the biggest impact in reducing potential health risks, and exposure to 1,4-dioxane is not likely when washing hands, washing and watering produce, brushing teeth, and showering (as long as no water is swallowed in the process).

1,4-Dioxane is a man-made chemical. Information on the potential health risk from 1,4-Dioxane is available here: https://www.dhs.wisconsin.gov/chemical/14dioxane.htm

If you have any questions regarding your results, please feel free to contact Colleen Schian, Risk Manager, at 715-839-4908.

Sincerely,

Anna Hilger

Anna Hilger
Chemist, Eau Claire City-County Health Department

cc: Matt Thompson, Wisconsin DNR
Dave Jadack, City of Eau Claire WWTP
Shawn Horn, GHD
Ryan Aamot, GHD
Colleen Schian, City of Eau Claire

Enc

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis
Customer: Eau Claire County Health Department **NLS Project: 396906**
Project Description: VOC - Compliance
Project Title: **Template: 524W** **Printed: 12/09/2022 15:22**

Huset DNR ID: 202
7629 Blue Valley Dr

Sample: 1351421 PW5 Collected: 11/29/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.11	0.37	5	
Bromobenzene	ND	ug/L	1	0.19	0.63		
Bromochloromethane	ND	ug/L	1	0.15	0.50		
Bromodichloromethane	ND	ug/L	1	0.17	0.56	80	
Bromoform	ND	ug/L	1	0.25	0.82	80	
Bromomethane	ND	ug/L	1	0.30	0.99		
n-Butylbenzene	ND	ug/L	1	0.36	1.2		
sec-Butylbenzene	ND	ug/L	1	0.28	0.94		
tert-Butylbenzene	ND	ug/L	1	0.31	1.0		
Carbon Tetrachloride	ND	ug/L	1	0.19	0.62	5	
Chlorobenzene	ND	ug/L	1	0.20	0.67	100	
Chloroethane	ND	ug/L	1	0.13	0.44		
Chloroform	ND	ug/L	1	0.14	0.45	80	
Chloromethane	ND	ug/L	1	0.27	0.89		
2-Chlorotoluene	ND	ug/L	1	0.21	0.69		
4-Chlorotoluene	ND	ug/L	1	0.19	0.65		
Dibromochloromethane	ND	ug/L	1	0.24	0.79	80	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.39	1.3		
1,2-Dibromoethane	ND	ug/L	1	0.21	0.70		
Dibromomethane	ND	ug/L	1	0.22	0.72		
1,2-Dichlorobenzene	ND	ug/L	1	0.32	1.1	600	
1,3-Dichlorobenzene	ND	ug/L	1	0.28	0.92		
1,4-Dichlorobenzene	ND	ug/L	1	0.29	0.96	75	
Dichlorodifluoromethane	[0.17]	ug/L	1	0.11	0.35		J
1,1-Dichloroethane	2.1	ug/L	1	0.083	0.28		
1,2-Dichloroethane	[0.15]	ug/L	1	0.13	0.42	5	J
1,1-Dichloroethene	ND	ug/L	1	0.14	0.48	7	
cis-1,2-Dichloroethene	0.64	ug/L	1	0.15	0.50	70	
trans-1,2-Dichloroethene	ND	ug/L	1	0.11	0.37	100	
1,2-Dichloropropane	ND	ug/L	1	0.16	0.54	5	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.80		
2,2-Dichloropropane	ND	ug/L	1	0.19	0.63		
1,1-Dichloropropene	ND	ug/L	1	0.18	0.60		
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.86		
trans-1,3-Dichloropropene	ND	ug/L	1	0.25	0.83		
Ethylbenzene	ND	ug/L	1	0.21	0.70	700	
Hexachlorobutadiene	ND	ug/L	1	0.31	1.0		
Isopropylbenzene	ND	ug/L	1	0.21	0.71		
p-Isopropyltoluene	ND	ug/L	1	0.30	1.0		
Methylene chloride	ND	ug/L	1	0.38	1.3	5	
Naphthalene	ND	ug/L	1	0.39	1.3		
n-Propylbenzene	ND	ug/L	1	0.23	0.78		
Styrene	ND	ug/L	1	0.19	0.63	100	
ortho-Xylene	ND	ug/L	1	0.24	0.81		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.19	0.65		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.28	0.93		
Tetrachloroethene	ND	ug/L	1	0.49	1.6	5	
Toluene	ND	ug/L	1	0.17	0.58	1000	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.31	1.0		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.28	0.93	70	
1,1,1-Trichloroethane	[0.15]	ug/L	1	0.15	0.50	200	J
1,1,2-Trichloroethane	ND	ug/L	1	0.21	0.69	5	
Trichloroethene	ND	ug/L	1	0.17	0.55	5	

Sample: 1351421 PWS Collected: 11/29/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.085	0.28		
1,2,3-Trichloropropane	ND	ug/L	1	0.42	1.4		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.26	0.86		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.23	0.76		
Vinyl chloride	ND	ug/L	1	0.087	0.29	.2	
meta,para-Xylene	ND	ug/L	1	0.49	1.6	10000	
MTBE	ND	ug/L	1	0.16	0.52		
4-Bromofluorobenzene (SURR)	86%		1				S
1,2-Dichlorobenzene-d4 (SURR)	90%		1				S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

Eau Claire City-County
Health Department

720 Second Ave, Eau Claire, WI 54703
www.echealthdepartment.org
P: 715-839-4718
F: 715-839-1674

December 13, 2022

Nancy Neff
7822 Blue Valley Dr
Eau Claire Wi 54703

Dear Ms. Neff,

Enclosed are the test results for volatile organic compounds (VOC's) and 1,4-Dioxane for the water sample collected from your well on November 28, 2022. No chemicals were detected in this round of sampling.

If you have any questions regarding your results, please feel free to contact the writer at 715-839-4734.

Sincerely,

Anna Hilger

Anna Hilger
Chemist, Eau Claire City-County Health Department

cc: Matt Thompson, Wisconsin DNR
Dave Jadack, City of Eau Claire WWTP
Shawn Horn, GHD
Ryan Aamot, GHD
Colleen Schian, City of Eau Claire

Enc

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis
Customer: Eau Claire County Health Department **NLS Project: 396906**
Project Description: VOC - Compliance
Project Title: **Template: 524W** **Printed: 12/09/2022 15:22**

Neff DNR 206
7822 Blue Valley Dr

Sample: 1351414 PW7 Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.11	0.37	5	
Bromobenzene	ND	ug/L	1	0.19	0.63		
Bromochloromethane	ND	ug/L	1	0.15	0.50		
Bromodichloromethane	ND	ug/L	1	0.17	0.56	80	
Bromoform	ND	ug/L	1	0.25	0.82	80	
Bromomethane	ND	ug/L	1	0.30	0.99		
n-Butylbenzene	ND	ug/L	1	0.36	1.2		
sec-Butylbenzene	ND	ug/L	1	0.28	0.94		
tert-Butylbenzene	ND	ug/L	1	0.31	1.0		
Carbon Tetrachloride	ND	ug/L	1	0.19	0.62	5	
Chlorobenzene	ND	ug/L	1	0.20	0.67	100	
Chloroethane	ND	ug/L	1	0.13	0.44		
Chloroform	ND	ug/L	1	0.14	0.45	80	
Chloromethane	ND	ug/L	1	0.27	0.89		
2-Chlorotoluene	ND	ug/L	1	0.21	0.69		
4-Chlorotoluene	ND	ug/L	1	0.19	0.65		
Dibromochloromethane	ND	ug/L	1	0.24	0.79	80	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.39	1.3		
1,2-Dibromoethane	ND	ug/L	1	0.21	0.70		
Dibromomethane	ND	ug/L	1	0.22	0.72		
1,2-Dichlorobenzene	ND	ug/L	1	0.32	1.1	600	
1,3-Dichlorobenzene	ND	ug/L	1	0.28	0.92		
1,4-Dichlorobenzene	ND	ug/L	1	0.29	0.96	75	
Dichlorodifluoromethane	ND	ug/L	1	0.11	0.35		
1,1-Dichloroethane	ND	ug/L	1	0.083	0.28		
1,2-Dichloroethane	ND	ug/L	1	0.13	0.42	5	
1,1-Dichloroethene	ND	ug/L	1	0.14	0.48	7	
cis-1,2-Dichloroethene	ND	ug/L	1	0.15	0.50	70	
trans-1,2-Dichloroethene	ND	ug/L	1	0.11	0.37	100	
1,2-Dichloropropane	ND	ug/L	1	0.16	0.54	5	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.80		
2,2-Dichloropropane	ND	ug/L	1	0.19	0.63		
1,1-Dichloropropene	ND	ug/L	1	0.18	0.60		
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.86		
trans-1,3-Dichloropropene	ND	ug/L	1	0.25	0.83		
Ethylbenzene	ND	ug/L	1	0.21	0.70	700	
Hexachlorobutadiene	ND	ug/L	1	0.31	1.0		
Isopropylbenzene	ND	ug/L	1	0.21	0.71		
p-Isopropyltoluene	ND	ug/L	1	0.30	1.0		
Methylene chloride	ND	ug/L	1	0.38	1.3	5	
Naphthalene	ND	ug/L	1	0.39	1.3		
n-Propylbenzene	ND	ug/L	1	0.23	0.78		
Styrene	ND	ug/L	1	0.19	0.63	100	
ortho-Xylene	ND	ug/L	1	0.24	0.81		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.19	0.65		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.28	0.93		
Tetrachloroethene	ND	ug/L	1	0.49	1.6	5	
Toluene	ND	ug/L	1	0.17	0.58	1000	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.31	1.0		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.28	0.93	70	
1,1,1-Trichloroethane	ND	ug/L	1	0.15	0.50	200	
1,1,2-Trichloroethane	ND	ug/L	1	0.21	0.69	5	
Trichloroethene	ND	ug/L	1	0.17	0.55	5	

Sample: 1351414 PW7 Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.085	0.28		
1,2,3-Trichloropropane	ND	ug/L	1	0.42	1.4		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.26	0.86		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.23	0.76		
Vinyl chloride	ND	ug/L	1	0.087	0.29	.2	
meta,para-Xylene	ND	ug/L	1	0.49	1.6	10000	
MTBE	ND	ug/L	1	0.16	0.52		
4-Bromofluorobenzene (SURR)	92%		1				S
1,2-Dichlorobenzene-d4 (SURR)	92%		1				S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

Eau Claire City-County
Health Department

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December 13, 2022

James Severson
1429 Pleasant Hill RD
Eau Claire Wi 54703

Dear Mr. Severson,

Enclosed are the test results for volatile organic compounds (VOC's) and 1,4-Dioxane for the water sample collected from your well on November 29, 2022. No chemicals were detected in this round of sampling.

If you have any questions regarding your results, please feel free to contact the writer at 715-839-4734.

Sincerely,

Anna Hilger

Anna Hilger
Chemist, Eau Claire City-County Health Department

cc: Matt Thompson, Wisconsin DNR
Dave Jadack, City of Eau Claire WWTP
Shawn Horn, GHD
Ryan Aamot, GHD
Colleen Schian, City of Eau Claire

Enc

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis
Customer: Eau Claire County Health Department **NLS Project: 396906**
Project Description: VOC - Compliance
Project Title: **Template: 524W** **Printed: 12/09/2022 15:22**

Severson DNR ID: 220
1429 Pleasant Hill Rd

Sample: 1351420 PW25 Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.11	0.37	5	
Bromobenzene	ND	ug/L	1	0.19	0.63		
Bromochloromethane	ND	ug/L	1	0.15	0.50		
Bromodichloromethane	ND	ug/L	1	0.17	0.56	80	
Bromoform	ND	ug/L	1	0.25	0.82	80	
Bromomethane	ND	ug/L	1	0.30	0.99		
n-Butylbenzene	ND	ug/L	1	0.36	1.2		
sec-Butylbenzene	ND	ug/L	1	0.28	0.94		
tert-Butylbenzene	ND	ug/L	1	0.31	1.0		
Carbon Tetrachloride	ND	ug/L	1	0.19	0.62	5	
Chlorobenzene	ND	ug/L	1	0.20	0.67	100	
Chloroethane	ND	ug/L	1	0.13	0.44		
Chloroform	ND	ug/L	1	0.14	0.45	80	
Chloromethane	ND	ug/L	1	0.27	0.89		
2-Chlorotoluene	ND	ug/L	1	0.21	0.69		
4-Chlorotoluene	ND	ug/L	1	0.19	0.65		
Dibromochloromethane	ND	ug/L	1	0.24	0.79	80	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.39	1.3		
1,2-Dibromoethane	ND	ug/L	1	0.21	0.70		
Dibromomethane	ND	ug/L	1	0.22	0.72		
1,2-Dichlorobenzene	ND	ug/L	1	0.32	1.1	600	
1,3-Dichlorobenzene	ND	ug/L	1	0.28	0.92		
1,4-Dichlorobenzene	ND	ug/L	1	0.29	0.96	75	
Dichlorodifluoromethane	ND	ug/L	1	0.11	0.35		
1,1-Dichloroethane	ND	ug/L	1	0.083	0.28		
1,2-Dichloroethane	ND	ug/L	1	0.13	0.42	5	
1,1-Dichloroethene	ND	ug/L	1	0.14	0.48	7	
cis-1,2-Dichloroethene	ND	ug/L	1	0.15	0.50	70	
trans-1,2-Dichloroethene	ND	ug/L	1	0.11	0.37	100	
1,2-Dichloropropane	ND	ug/L	1	0.16	0.54	5	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.80		
2,2-Dichloropropane	ND	ug/L	1	0.19	0.63		
1,1-Dichloropropene	ND	ug/L	1	0.18	0.60		
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.86		
trans-1,3-Dichloropropene	ND	ug/L	1	0.25	0.83		
Ethylbenzene	ND	ug/L	1	0.21	0.70	700	
Hexachlorobutadiene	ND	ug/L	1	0.31	1.0		
Isopropylbenzene	ND	ug/L	1	0.21	0.71		
p-Isopropyltoluene	ND	ug/L	1	0.30	1.0		
Methylene chloride	ND	ug/L	1	0.38	1.3	5	
Naphthalene	ND	ug/L	1	0.39	1.3		
n-Propylbenzene	ND	ug/L	1	0.23	0.78		
Styrene	ND	ug/L	1	0.19	0.63	100	
ortho-Xylene	ND	ug/L	1	0.24	0.81		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.19	0.65		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.28	0.93		
Tetrachloroethene	ND	ug/L	1	0.49	1.6	5	
Toluene	ND	ug/L	1	0.17	0.58	1000	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.31	1.0		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.28	0.93	70	
1,1,1-Trichloroethane	ND	ug/L	1	0.15	0.50	200	
1,1,2-Trichloroethane	ND	ug/L	1	0.21	0.69	5	
Trichloroethene	ND	ug/L	1	0.17	0.55	5	

Sample: 1351420 PW25 Collected: 11/28/22 Analyzed: 12/08/22 Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.085	0.28		
1,2,3-Trichloropropane	ND	ug/L	1	0.42	1.4		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.26	0.86		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.23	0.76		
Vinyl chloride	ND	ug/L	1	0.087	0.29	.2	
meta,para-Xylene	ND	ug/L	1	0.49	1.6	10000	
MTBE	ND	ug/L	1	0.16	0.52		
4-Bromofluorobenzene (SURR)	86%		1				S
1,2-Dichlorobenzene-d4 (SURR)	85%		1				S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

VOLATILE ORGANIC CHEMICALS BY EPA METHOD 524.2

Eau Claire City-County Health Department DNR Lab Certification Number 618019820

		OWNER:	Holly Goss	Kyle Bauer	Nancy Neff	David Hovland
		SAMPLING DATE (YYMMDD):	221128	221128	221128	221128
		LAB SAMPLE NUMBER:	1351412	1351413	1351414	1351415
	LOD	LOQ				
CHEMICAL	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-tetrachloroethane	0.19	0.65	ND	ND	ND	ND
1,1,1-trichloroethane	0.15	0.50	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	0.28	0.93	ND	ND	ND	ND
1,1,2-trichloroethane	0.21	0.69	ND	ND	ND	ND
1,1-dichloroethane	0.083	0.28	ND	ND	ND	ND
1,1-dichloroethene	0.14	0.48	ND	ND	ND	ND
1,1-dichloropropene	0.18	0.60	ND	ND	ND	ND
1,2,3-trichlorobenzene	0.31	1.0	ND	ND	ND	ND
1,2,3-trichloropropane	0.42	1.4	ND	ND	ND	ND
1,2,4-trichlorobenzene	0.28	0.93	ND	ND	ND	ND
1,2,4-trimethylbenzene	0.26	0.86	ND	ND	ND	ND
1,2-dibromo-3-chloropropane	0.39	1.3	ND	ND	ND	ND
1,2-dibromoethane	0.21	0.70	ND	ND	ND	ND
1,2-dichlorobenzene	0.32	1.1	ND	ND	ND	ND
1,2-dichloroethane	0.13	0.42	ND	ND	ND	ND
1,2-dichloropropane	0.16	0.54	ND	ND	ND	ND
1,3,5-trimethylbenzene	0.23	0.76	ND	ND	ND	ND
1,3-dichlorobenzene	0.28	0.92	ND	ND	ND	ND
1,3-dichloropropane	0.24	0.80	ND	ND	ND	ND
1,4-dichlorobenzene	0.29	0.96	ND	ND	ND	ND
2,2-dichloropropane	0.19	0.63	ND	ND	ND	ND
2-chlorotoluene	0.21	0.69	ND	ND	ND	ND
4-chlorotoluene	0.19	0.65	ND	ND	ND	ND
benzene	0.11	0.37	ND	ND	ND	ND
bromobenzene	0.19	0.63	ND	ND	ND	ND
bromochloromethane	0.15	0.50	ND	ND	ND	ND
bromodichloromethane	0.17	0.56	ND	ND	ND	ND
bromoform	0.25	0.82	ND	ND	ND	ND
bromomethane	0.30	0.99	ND	ND	ND	ND
carbon tetrachloride	0.19	0.62	ND	ND	ND	ND
chlorobenzene	0.20	0.67	ND	ND	ND	ND
chloroethane	0.13	0.44	ND	ND	ND	ND
chloroform	0.14	0.45	ND	ND	ND	ND
chloromethane	0.27	0.89	ND	ND	ND	ND
cis-1,2-dichloroethene	0.15	0.50	ND	ND	ND	ND
cis-1,3-dichloropropene	0.26	0.86	ND	ND	ND	ND
dibromochloromethane	0.24	0.79	ND	ND	ND	ND
dibromomethane	0.22	0.72	ND	ND	ND	ND
dichlorodifluoromethane	0.11	0.35	ND	ND	ND	ND
ethylbenzene	0.21	0.70	ND	ND	ND	ND
hexachlorobutadiene	0.31	1.0	ND	ND	ND	ND
isopropylbenzene	0.21	0.71	ND	ND	ND	ND
m,p-xylene	0.49	1.6	ND	ND	ND	ND
methylene chloride	0.38	1.3	ND	ND	ND	ND
naphthalene	0.39	1.3	ND	ND	ND	ND
n-butylbenzene	0.36	1.2	ND	ND	ND	ND
o-xylene	0.24	0.81	ND	ND	ND	ND
para-isopropyltoluene	0.30	1.0	ND	ND	ND	ND
propylbenzene	0.23	0.78	ND	ND	ND	ND
sec-butylbenzene	0.28	0.94	ND	ND	ND	ND
styrene	0.19	0.63	ND	ND	ND	ND
t-butylbenzene	0.31	1.0	ND	ND	ND	ND
tetrachloroethylene	0.49	1.6	ND	ND	ND	ND
toluene	0.17	0.58	ND	ND	ND	ND
trans-1,2-dichloroethene	0.11	0.37	ND	ND	ND	ND
trans-1,3-dichloropropene	0.25	0.83	ND	ND	ND	ND
trichloroethylene	0.17	0.55	ND	ND	ND	ND
trichlorofluoromethane	0.085	0.28	ND	ND	ND	ND
vinyl chloride	0.087	0.29	ND	ND	ND	ND

		OWNER:	Julie Hayden	Gerald Candell	Kayla Briggs	James Severson
		SAMPLING DATE (YYMMDD):	221128	221128	221128	221129
		LAB SAMPLE NUMBER:	1351417	1351418	1351419	1351420
	LOD	LOQ				
CHEMICAL	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-tetrachloroethane	0.19	0.65	ND	ND	ND	ND
1,1,1-trichloroethane	0.15	0.50	ND	ND	0.19	ND
1,1,2,2-tetrachloroethane	0.28	0.93	ND	ND	ND	ND
1,1,2-trichloroethane	0.21	0.69	ND	ND	ND	ND
1,1-dichloroethane	0.08	0.28	ND	ND	ND	ND
1,1-dichloroethene	0.14	0.48	ND	ND	ND	ND
1,1-dichloropropene	0.18	0.60	ND	ND	ND	ND
1,2,3-trichlorobenzene	0.31	1.0	ND	ND	ND	ND
1,2,3-trichloropropane	0.42	1.4	ND	ND	ND	ND
1,2,4-trichlorobenzene	0.28	0.93	ND	ND	ND	ND
1,2,4-trimethylbenzene	0.26	0.86	ND	ND	ND	ND
1,2-dibromo-3-chloropropane	0.39	1.3	ND	ND	ND	ND
1,2-dibromoethane	0.21	0.70	ND	ND	ND	ND
1,2-dichlorobenzene	0.32	1.1	ND	ND	ND	ND
1,2-dichloroethane	0.13	0.42	ND	ND	ND	ND
1,2-dichloropropane	0.16	0.54	ND	ND	ND	ND
1,3,5-trimethylbenzene	0.23	0.76	ND	ND	ND	ND
1,3-dichlorobenzene	0.28	0.92	ND	ND	ND	ND
1,3-dichloropropane	0.24	0.80	ND	ND	ND	ND
1,4-dichlorobenzene	0.29	0.96	ND	ND	ND	ND
2,2-dichloropropane	0.19	0.63	ND	ND	ND	ND
2-chlorotoluene	0.21	0.69	ND	ND	ND	ND
4-chlorotoluene	0.19	0.65	ND	ND	ND	ND
benzene	0.11	0.37	ND	ND	ND	ND
bromobenzene	0.19	0.63	ND	ND	ND	ND
bromochloromethane	0.15	0.50	ND	ND	ND	ND
bromodichloromethane	0.17	0.56	ND	ND	ND	ND
bromoform	0.25	0.82	ND	ND	ND	ND
bromomethane	0.30	0.99	ND	ND	ND	ND
carbon tetrachloride	0.19	0.62	ND	ND	ND	ND
chlorobenzene	0.20	0.67	ND	ND	ND	ND
chloroethane	0.13	0.44	ND	ND	ND	ND
chloroform	0.14	0.45	ND	ND	ND	ND
chloromethane	0.27	0.89	ND	ND	ND	ND
cis-1,2-dichloroethene	0.15	0.50	ND	ND	ND	ND
cis-1,3-dichloropropene	0.26	0.86	ND	ND	ND	ND
dibromochloromethane	0.24	0.79	ND	ND	ND	ND
dibromomethane	0.22	0.72	ND	ND	ND	ND
dichlorodifluoromethane	0.11	0.35	ND	ND	ND	ND
ethylbenzene	0.21	0.70	ND	ND	ND	ND
hexachlorobutadiene	0.31	1.0	ND	ND	ND	ND
isopropylbenzene	0.21	0.71	ND	ND	ND	ND
m,p-xylene	0.49	1.6	ND	ND	ND	ND
methylene chloride	0.38	1.3	ND	ND	ND	ND
naphthalene	0.39	1.3	ND	ND	ND	ND
n-butylbenzene	0.36	1.2	ND	ND	ND	ND
o-xylene	0.24	0.81	ND	ND	ND	ND
para-isopropyltoluene	0.30	1.0	ND	ND	ND	ND
propylbenzene	0.23	0.78	ND	ND	ND	ND
sec-butylbenzene	0.28	0.94	ND	ND	ND	ND
styrene	0.19	0.63	ND	ND	ND	ND
t-butylbenzene	0.31	1.0	ND	ND	ND	ND
tetrachloroethylene	0.49	1.6	ND	ND	ND	ND
toluene	0.17	0.58	ND	ND	ND	ND
trans-1,2-dichloroethene	0.11	0.37	ND	ND	0.11	ND
trans-1,3-dichloropropene	0.25	0.83	ND	ND	ND	ND
trichloroethylene	0.17	0.55	ND	ND	ND	ND
trichlorofluoromethane	0.09	0.28	ND	ND	ND	ND
vinyl chloride	0.09	0.29	ND	ND	ND	ND

		OWNER:	Richard Huset	Trip Blank		
		SAMPLING DATE (YYMMDD):	221129	221128		
		LAB SAMPLE NUMBER:	1351421	1351422		
	LOD	LOQ				
CHEMICAL	ug/L	ug/L	ug/L	ug/L		
1,1,1,2-tetrachloroethane	0.19	0.65	ND	ND		
1,1,1-trichloroethane	0.15	0.50	0.15	ND		
1,1,2,2-tetrachloroethane	0.28	0.93	ND	ND		
1,1,2-trichloroethane	0.21	0.69	ND	ND		
1,1-dichloroethane	0.083	0.28	2.1	ND		
1,1-dichloroethene	0.14	0.48	ND	ND		
1,1-dichloropropene	0.18	0.60	ND	ND		
1,2,3-trichlorobenzene	0.31	1.0	ND	ND		
1,2,3-trichloropropane	0.42	1.4	ND	ND		
1,2,4-trichlorobenzene	0.28	0.93	ND	ND		
1,2,4-trimethylbenzene	0.26	0.86	ND	ND		
1,2-dibromo-3-chloropropane	0.39	1.3	ND	ND		
1,2-dibromoethane	0.21	0.70	ND	ND		
1,2-dichlorobenzene	0.32	1.1	ND	ND		
1,2-dichloroethane	0.13	0.42	0.15	ND		
1,2-dichloropropane	0.16	0.54	ND	ND		
1,3,5-trimethylbenzene	0.23	0.76	ND	ND		
1,3-dichlorobenzene	0.28	0.92	ND	ND		
1,3-dichloropropane	0.24	0.80	ND	ND		
1,4-dichlorobenzene	0.29	0.96	ND	ND		
2,2-dichloropropane	0.19	0.63	ND	ND		
2-chlorotoluene	0.21	0.69	ND	ND		
4-chlorotoluene	0.19	0.65	ND	ND		
benzene	0.11	0.37	ND	ND		
bromobenzene	0.19	0.63	ND	ND		
bromochloromethane	0.15	0.50	ND	ND		
bromodichloromethane	0.17	0.56	ND	ND		
bromoform	0.25	0.82	ND	ND		
bromomethane	0.30	0.99	ND	ND		
carbon tetrachloride	0.19	0.62	ND	ND		
chlorobenzene	0.20	0.67	ND	ND		
chloroethane	0.13	0.44	ND	ND		
chloroform	0.14	0.45	ND	ND		
chloromethane	0.27	0.89	ND	ND		
cis-1,2-dichloroethene	0.15	0.50	0.64	ND		
cis-1,3-dichloropropene	0.26	0.86	ND	ND		
dibromochloromethane	0.24	0.79	ND	ND		
dibromomethane	0.22	0.72	ND	ND		
dichlorodifluoromethane	0.11	0.35	0.17	ND		
ethylbenzene	0.21	0.70	ND	ND		
hexachlorobutadiene	0.31	1.0	ND	ND		
isopropylbenzene	0.21	0.71	ND	ND		
m,p-xylene	0.49	1.6	ND	ND		
methylene chloride	0.38	1.3	ND	ND		
naphthalene	0.39	1.3	ND	ND		
n-butylbenzene	0.36	1.2	ND	ND		
o-xylene	0.24	0.81	ND	ND		
para-isopropyltoluene	0.30	1.0	ND	ND		
propylbenzene	0.23	0.78	ND	ND		
sec-butylbenzene	0.28	0.94	ND	ND		
styrene	0.19	0.63	ND	ND		
t-butylbenzene	0.31	1.0	ND	ND		
tetrachloroethylene	0.49	1.6	ND	ND		
toluene	0.17	0.58	ND	ND		
trans-1,2-dichloroethene	0.11	0.37	ND	ND		
trans-1,3-dichloropropene	0.25	0.83	ND	ND		
trichloroethylene	0.17	0.55	ND	ND		
trichlorofluoromethane	0.085	0.28	ND	ND		
vinyl chloride	0.087	0.29	ND	ND		