From: Keenan, Gina N - DNR
Sent: Wednesday, July 10, 2019 1:01 PM
To: Janowiak, Steve J - DNR
Cc: Dehmlow, Amanda L - DNR
Subject: FW: 2nd Quarter 2019 Blue Valley Residential Wells
Attachments: BV Summary 190710.pdf; BV Letters 190710.pdf; BV Results 190710.pdf

Steve,

Here are the summary results for the most recent round. Amanda, should these be going to you or Megan now?

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Gina Keenan
Phone: (715) 836-6574
gina.keenan@wisconsin.gov

From: Ted Johnson <Ted.Johnson@co.eau-claire.wi.us>
Sent: Wednesday, July 10, 2019 12:51 PM
To: Keenan, Gina N - DNR <Gina.Keenan@wisconsin.gov>; 'David Jadack' <David.Jadack@EauclaireWi.Gov>; 'Chuck Ahrens' <Charles.Ahrens@ghd.com>; Colleen.Schian@eauclairewi.gov
Subject: 2nd Quarter 2019 Blue Valley Residential Wells

Results, letters, and summary are attached. Sample O-190033 is a check of the recently installed water treatment system for PW-33.

Theodore Johnson | *Chemist II*
Ted.Johnson@co.eau-claire.wi.us
(P) 715-8394734 (F) 715-839-1674
720 Second Avenue, Eau Claire, WI 54703
www.echealthdepartment.org

Eau Claire City-County
Health Department

This communication constitutes an electronic communication within the meaning of the Electronic Privacy Act, 18 USC 2510 and its disclosure is strictly limited to the recipient intended by the sender of this message. This communication is confidential and may contain information that is privileged, confidential and exempt from disclosure under applicable law. Receipt by anyone other than the intended recipient does not constitute waiver or loss of the confidential or privileged nature of the communication. If the person receiving this message is not the intended recipient or you have received this message in error, any review, publication, copying or other distribution of this information is strictly prohibited. If you received this communication in error, please notify the sender immediately at the email address above, return the original message to me by mail, destroy any copies you may have made

and delete the communication from any computer and/or storage media. Thank you for your cooperation.

Eau Claire City-County
Health Department

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

July 10, 2019

Jeff Wold
6733 Crescent Ave
Eau Claire WI 54703

Dear Mr. Wold:

Enclosed are the test results for volatile organic compounds (VOCs) for the water sample collected from your well on June 24th. All chemicals tested were below detection levels.

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

Sincerely,

Theodore R Johnson

Theodore Johnson
Chemist, Eau Claire City-County Health Department

cc: Gina Keenan, DNR, Eau Claire District Office
Dave Jadack, City of Eau Claire WWTP
Chuck Ahrens, GHD
Colleen Schian, City of Eau Claire

Enc

Eau Claire City-County
Health Department

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

July 10, 2019

Gerald Candell
7642 Blue Valley Dr
Eau Claire WI 54703

Dear Mr. Candell:

Enclosed are the test results for volatile organic compounds (VOCs) for the water sample collected from your well on June 24th. All chemicals tested were below detection levels.

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

Sincerely,

Theodore R Johnson

Theodore Johnson
Chemist, Eau Claire City-County Health Department

cc: Gina Keenan, DNR, Eau Claire District Office
Dave Jadack, City of Eau Claire WWTP
Chuck Ahrens, GHD
Colleen Schian, City of Eau Claire

Enc

Eau Claire City-County
Health Department

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

July 10, 2019

Thomas Twitchell
7710 Blue Valley Dr
Eau Claire WI 54703

Dear Mr. Twitchell:

Enclosed are the test results for volatile organic compounds (VOC's) for the water sample collected from your well on June 24th. All chemicals tested were below the health advisory levels.

Chemical	Result (ppb)	Health Advisory (ppb)
chloroform	0.67	100

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

Sincerely,

Theodore R Johnson

Theodore Johnson
Chemist, Eau Claire City-County Health Department

cc: Gina Keenan, DNR, Eau Claire District Office
Dave Jadack, City of Eau Claire WWTP
Chuck Ahrens, GHD
Colleen Schian, City of Eau Claire

Enc

Eau Claire City-County
Health Department

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

July 10, 2019

David Hovland
7811 Blue Valley Dr
Eau Claire WI 54703

Dear Mr. Hovland:

Enclosed are the test results for volatile organic compounds (VOCs) for the water sample collected from your well on June 24th. All chemicals tested were below detection levels.

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

Sincerely,

Theodore R. Johnson

Theodore Johnson
Chemist, Eau Claire City-County Health Department

cc: Gina Keenan, DNR, Eau Claire District Office
Dave Jadack, City of Eau Claire WWTP
Chuck Ahrens, GHD
Colleen Schian, City of Eau Claire

Enc

Eau Claire City-County
Health Department

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

July 10, 2019

Thomas Metcalfe
7754 Blue Valley Dr
Eau Claire WI 54703

Dear Mr. Metcalfe:

Enclosed are the test results for volatile organic compounds (VOC's) for the water sample collected from your well on June 24th. All chemicals tested were below the health advisory levels.

Chemical	Result (ppb)	Health Advisory (ppb)
bromochloromethane	1.9	n/a
bromodichloromethane	1.8	100
chloroform	15	100

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

Sincerely,

Theodore Johnson
Chemist, Eau Claire City-County Health Department

cc: Gina Keenan, DNR, Eau Claire District Office
Dave Jadack, City of Eau Claire WWTP
Chuck Ahrens, GHD
Colleen Schian, City of Eau Claire

Enc

Eau Claire City-County
Health Department

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

July 10, 2019

James Bauer
6613 Crescent Ave
Eau Claire WI 54703

Dear Mr. Bauer:

Enclosed are the test results for volatile organic compounds (VOCs) for the water sample collected from your well on June 24th. All chemicals tested were below detection levels.

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

Sincerely,

Theodore Johnson
Chemist, Eau Claire City-County Health Department

cc: Gina Keenan, DNR, Eau Claire District Office
Dave Jadack, City of Eau Claire WWTP
Chuck Ahrens, GHD
Colleen Schian, City of Eau Claire

Enc

Eau Claire City-County
Health Department

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

July 10, 2019

Kayla Briggs
7590 Crescent Ave
Eau Claire WI 54703

Dear Ms. Briggs:

Enclosed are the test results for volatile organic compounds (VOCs) for the water sample collected from your well on June 25th. All chemicals tested were below detection levels.

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

Sincerely,

Theodore Johnson
Chemist, Eau Claire City-County Health Department

cc: Gina Keenan, DNR, Eau Claire District Office
Dave Jadack, City of Eau Claire WWTP
Chuck Ahrens, GHD
Colleen Schian, City of Eau Claire

Enc

Eau Claire City-County
Health Department

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

July 10, 2019

Richard Putzier
7871 Blue Valley Dr
Eau Claire WI 54703

Dear Mr. Putzier:

Enclosed are the test results for volatile organic compounds (VOCs) for the water sample collected from your well on June 25th. All chemicals tested were below detection levels.

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

Sincerely,

Theodore Johnson
Chemist, Eau Claire City-County Health Department

cc: Gina Keenan, DNR, Eau Claire District Office
Dave Jadack, City of Eau Claire WWTP
Chuck Ahrens, GHD
Colleen Schian, City of Eau Claire

Enc

Eau Claire City-County
Health Department

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

July 10, 2019

Richard Huset
7629 Blue Valley Dr
Eau Claire WI 54703

Dear Mr. Huset:

Enclosed are the test results for volatile organic compounds (VOC's) for the water sample collected from your well on June 24th. All chemicals tested were below the health advisory levels.

Chemical	Result (ppb)	Health Advisory (ppb)
1,1-dichloroethane	1.2	850
cis-1,2-dichloroethylene	0.62	70

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

Sincerely,

Theodore R Johnson

Theodore Johnson
Chemist, Eau Claire City-County Health Department

cc: Gina Keenan, DNR, Eau Claire District Office
Dave Jadack, City of Eau Claire WWTP
Chuck Ahrens, GHD
Colleen Schian, City of Eau Claire

Enc

Eau Claire City-County
Health Department

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

July 10, 2019

Nancy Neff
7822 Blue Valley Dr
Eau Claire WI 54703

Dear Ms. Neff:

Enclosed are the test results for volatile organic compounds (VOCs) for the water sample collected from your well on June 25th. All chemicals tested were below detection levels.

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

Sincerely,

Theodore R Johnson

Theodore Johnson
Chemist, Eau Claire City-County Health Department

cc: Gina Keenan, DNR, Eau Claire District Office
Dave Jadack, City of Eau Claire WWTP
Chuck Ahrens, GHD
Colleen Schian, City of Eau Claire

Enc

Eau Claire City-County
Health Department

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

July 10, 2019

Holly Goss
6606 Crescent Ave
Eau Claire WI 54703

Dear Ms. Goss:

Enclosed are the test results for volatile organic compounds (VOC's) for the water sample collected from your well on June 25th. All chemicals tested were below the health advisory levels.

Chemical	Result (ppb)	Health Advisory (ppb)
chloroform	0.87	100

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

Sincerely,

Theodore R. Johnson

Theodore Johnson
Chemist, Eau Claire City-County Health Department

cc: Gina Keenan, DNR, Eau Claire District Office
Dave Jadack, City of Eau Claire WWTP
Chuck Ahrens, GHD
Colleen Schian, City of Eau Claire

Enc

Eau Claire City-County
Health Department

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

July 10, 2019

Chris Bertsch
7593 Blue Valley Dr
Eau Claire WI 54703

Dear Mr. Bertsch:

Enclosed are the test results for volatile organic compounds (VOCs) for the untreated and treated water samples collected from your well on June 25th.

All VOCs detected in the untreated sample are individually below health advisory levels. However past results from your well were determined to pose a health risk by the Wisconsin Division of Public Health due to the number, combination, and concentrations of compounds detected. Therefore, it is recommended that this water not be used for consumption. Given that the levels of these VOCs detected in this well will likely fluctuate, continued monitoring of this well is recommended.

Results of the untreated water sample are summarized below:

Chemical	Result (ppb)	Health Advisory (ppb)
1,1,1-trichloroethane	2.8	200
1,1,2-trichloroethane	1.7	5
1,1-dichloroethane	37	850
1,1-dichloroethylene	0.90	7
1,2-dichloroethane	2.8	5
1,2-dichloropropane	1.1	5
carbon tetrachloride	0.33	n/a
chloroethane	0.64	n/a
cis-1,2-dichloroethylene	13	70
dichlorodifluoromethane	2.3	1000
methylene chloride	0.90	5
trichloroethylene	1.5	5

All VOCs detected in the treated water sample were below the health advisories. Therefore this water may be used without any restrictions. Results of the treated water sample are summarized below:

Eau Claire City-County
Health Department

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

Chemical	Result (ppb)	Health Advisory (ppb)
1,1-dichloroethane	4.4	850
bromochloromethane	1.3	n/a
bromodichloromethane	1.2	100
chloroform	9.8	100

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

Sincerely,

Theodore Johnson
Chemist, Eau Claire City-County Health Department

cc: Gina Keenan, DNR, Eau Claire District Office
Dave Jadack, City of Eau Claire WWTP
Chuck Ahrens, GHD
Colleen Schian, City of Eau Claire

Enc

Eau Claire City-County
Health Department

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

Sample Results - Volatile Organic Chemicals

BLUE VALLEY RESIDENTIAL WELLS

Analyzed by: Theodore P. Johnson

Owner Name:	JEFF WOLD		
Sample Address:	6733 CRESCENT AVE		
Lab Sample Number:	O-190021		
Date Collected:	190624	Mail to Name:	JEFF WOLD
Field Number/ID:	TJ-1 PW-3	Mail to Address:	6733 CRESCENT AVE
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
1,1,1,2-tetrachloroethane	ND	0.34	1.1	
1,1,1-trichloroethane	ND	0.31	1	
1,1,2,2-tetrachloroethane	ND	0.21	0.76	
1,1,2-trichloroethane	ND	0.4	1.3	
1,1-dichloroethane	ND	0.29	0.95	
1,1-dichloroethylene	ND	0.22	0.74	
1,1-dichloropropylene	ND	0.14	0.48	
1,2,3-trichlorobenzene	ND	0.33	1.1	
1,2,3-trichloropropane	ND	0.37	1.2	
1,2,4-trichlorobenzene	ND	0.3	0.99	
1,2,4-trimethylbenzene	ND	0.44	1.5	
1,2-dibromo-3-chloropropane	ND	0.41	1.4	
1,2-dibromoethane	ND	0.3	0.99	
1,2-dichlorobenzene	ND	0.26	0.87	
1,2-dichloroethane	ND	0.2	0.68	
1,2-dichloropropane	ND	0.26	0.86	
1,3,5-trimethylbenzene	ND	0.46	1.5	
1,3-dichlorobenzene	ND	0.23	0.77	
1,3-dichloropropane	ND	0.21	0.71	
1,4-dichlorobenzene	ND	0.25	0.83	
2,2-dichloropropane	ND	0.17	0.57	
2-chlorotoluene	ND	0.34	1.1	
4-chlorotoluene	ND	0.37	1.3	
benzene	ND	0.26	0.87	
bromobenzene	ND	0.2	0.68	
bromochloromethane	ND	0.34	1.1	
bromodichloromethane	ND	0.28	0.93	
bromoform	ND	0.36	1.2	
bromomethane	ND	0.16	0.53	

ND = Not Detected

Owner Name:	JEFF WOLD		
Sample Address:	6733 CRESCENT AVE		
Lab Sample Number:	O-190021		
Date Collected:	190624	Mail to Name:	JEFF WOLD
Field Number/ID:	TJ-1 PW-3	Mail to Address:	6733 CRESCENT AVE
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
carbon tetrachloride	ND	0.33	1.1	
chlorobenzene	ND	0.23	0.78	
chloroethane	ND	0.13	0.44	
chloroform	ND	0.5	1.7	
chloromethane	ND	0.27	0.91	
cis-1,2-dichloroethylene	ND	0.18	0.59	
cis-1,3-dichloropropylene	ND	0.14	0.48	
dibromochloromethane	ND	0.41	1.4	
dibromomethane	ND	0.32	1.1	
dichlorodifluoromethane	ND	0.42	1.4	
ethylbenzene	ND	0.3	0.99	
hexachlorobutadiene	ND	0.65	2.2	
isopropylbenzene	ND	0.37	1.2	
m,p-xylene	ND	0.32	1.1	
methylene chloride	ND	0.48	1.6	
naphthalene	ND	0.41	1.4	
n-butylbenzene	ND	0.46	1.5	
o-xylene	ND	0.33	1.1	
para-isopropyltoluene	ND	0.44	1.5	
propylbenzene	ND	0.39	1.3	
sec-butylbenzene	ND	0.44	1.5	
styrene	ND	0.32	1.1	
t-butylbenzene	ND	0.4	1.3	
tetrachloroethylene	ND	0.48	1.6	
toluene	ND	0.16	0.53	
trans-1,2-dichloroethylene	ND	0.2	0.68	
trans-1,3-dichloropropylene	ND	0.15	0.5	
trichloroethylene	ND	0.16	0.54	
trichlorofluoromethane	ND	1.2	3.9	
vinyl chloride	ND	0.18	0.61	

ND = Not Detected

Eau Claire City-County
Health Department

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

Sample Results - Volatile Organic Chemicals

BLUE VALLEY RESIDENTIAL WELLS

Analyzed by: Theodore P. Johnson

Owner Name:	GERALD CANDELL		
Sample Address:	7642 BLUE VALLEY DR		
Lab Sample Number:	O-190022		
Date Collected:	190624	Mail to Name:	GERALD CANDELL
Field Number/ID:	TJ-2 PW-11	Mail to Address:	7642 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
1,1,1,2-tetrachloroethane	ND	0.34	1.1	
1,1,1-trichloroethane	ND	0.31	1	
1,1,2,2-tetrachloroethane	ND	0.21	0.76	
1,1,2-trichloroethane	ND	0.4	1.3	
1,1-dichloroethane	ND	0.29	0.95	
1,1-dichloroethylene	ND	0.22	0.74	
1,1-dichloropropylene	ND	0.14	0.48	
1,2,3-trichlorobenzene	ND	0.33	1.1	
1,2,3-trichloropropane	ND	0.37	1.2	
1,2,4-trichlorobenzene	ND	0.3	0.99	
1,2,4-trimethylbenzene	ND	0.44	1.5	
1,2-dibromo-3-chloropropane	ND	0.41	1.4	
1,2-dibromoethane	ND	0.3	0.99	
1,2-dichlorobenzene	ND	0.26	0.87	
1,2-dichloroethane	ND	0.2	0.68	
1,2-dichloropropane	ND	0.26	0.86	
1,3,5-trimethylbenzene	ND	0.46	1.5	
1,3-dichlorobenzene	ND	0.23	0.77	
1,3-dichloropropane	ND	0.21	0.71	
1,4-dichlorobenzene	ND	0.25	0.83	
2,2-dichloropropane	ND	0.17	0.57	
2-chlorotoluene	ND	0.34	1.1	
4-chlorotoluene	ND	0.37	1.3	
benzene	ND	0.26	0.87	
bromobenzene	ND	0.2	0.68	
bromochloromethane	ND	0.34	1.1	
bromodichloromethane	ND	0.28	0.93	
bromoform	ND	0.36	1.2	
bromomethane	ND	0.16	0.53	

ND = Not Detected

Owner Name:	GERALD CANDELL		
Sample Address:	7642 BLUE VALLEY DR		
Lab Sample Number:	O-190022		
Date Collected:	190624	Mail to Name:	GERALD CANDELL
Field Number/ID:	TJ-2 PW-11	Mail to Address:	7642 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
carbon tetrachloride	ND	0.33	1.1	
chlorobenzene	ND	0.23	0.78	
chloroethane	ND	0.13	0.44	
chloroform	ND	0.5	1.7	
chloromethane	ND	0.27	0.91	
cis-1,2-dichloroethylene	ND	0.18	0.59	
cis-1,3-dichloropropylene	ND	0.14	0.48	
dibromochloromethane	ND	0.41	1.4	
dibromomethane	ND	0.32	1.1	
dichlorodifluoromethane	ND	0.42	1.4	
ethylbenzene	ND	0.3	0.99	
hexachlorobutadiene	ND	0.65	2.2	
isopropylbenzene	ND	0.37	1.2	
m,p-xylene	ND	0.32	1.1	
methylene chloride	ND	0.48	1.6	
naphthalene	ND	0.41	1.4	
n-butylbenzene	ND	0.46	1.5	
o-xylene	ND	0.33	1.1	
para-isopropyltoluene	ND	0.44	1.5	
propylbenzene	ND	0.39	1.3	
sec-butylbenzene	ND	0.44	1.5	
styrene	ND	0.32	1.1	
t-butylbenzene	ND	0.4	1.3	
tetrachloroethylene	ND	0.48	1.6	
toluene	ND	0.16	0.53	
trans-1,2-dichloroethylene	ND	0.2	0.68	
trans-1,3-dichloropropylene	ND	0.15	0.5	
trichloroethylene	ND	0.16	0.54	
trichlorofluoromethane	ND	1.2	3.9	
vinyl chloride	ND	0.18	0.61	

ND = Not Detected

Eau Claire City-County
Health Department

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

Sample Results - Volatile Organic Chemicals

BLUE VALLEY RESIDENTIAL WELLS

Analyzed by: Theodore P. Johnson

Owner Name:	THOMAS TWICHELL		
Sample Address:	7710 BLUE VALLEY DR		
Lab Sample Number:	O-190023		
Date Collected:	190624	Mail to Name:	THOMAS TWICHELL
Field Number/ID:	TJ-3 PW-18	Mail to Address:	7710 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
1,1,1,2-tetrachloroethane	ND	0.34	1.1	
1,1,1-trichloroethane	ND	0.31	1	
1,1,2,2-tetrachloroethane	ND	0.21	0.76	
1,1,2-trichloroethane	ND	0.4	1.3	
1,1-dichloroethane	ND	0.29	0.95	
1,1-dichloroethylene	ND	0.22	0.74	
1,1-dichloropropylene	ND	0.14	0.48	
1,2,3-trichlorobenzene	ND	0.33	1.1	
1,2,3-trichloropropane	ND	0.37	1.2	
1,2,4-trichlorobenzene	ND	0.3	0.99	
1,2,4-trimethylbenzene	ND	0.44	1.5	
1,2-dibromo-3-chloropropane	ND	0.41	1.4	
1,2-dibromoethane	ND	0.3	0.99	
1,2-dichlorobenzene	ND	0.26	0.87	
1,2-dichloroethane	ND	0.2	0.68	
1,2-dichloropropane	ND	0.26	0.86	
1,3,5-trimethylbenzene	ND	0.46	1.5	
1,3-dichlorobenzene	ND	0.23	0.77	
1,3-dichloropropane	ND	0.21	0.71	
1,4-dichlorobenzene	ND	0.25	0.83	
2,2-dichloropropane	ND	0.17	0.57	
2-chlorotoluene	ND	0.34	1.1	
4-chlorotoluene	ND	0.37	1.3	
benzene	ND	0.26	0.87	
bromobenzene	ND	0.2	0.68	
bromochloromethane	ND	0.34	1.1	
bromodichloromethane	ND	0.28	0.93	
bromoform	ND	0.36	1.2	
bromomethane	ND	0.16	0.53	

ND = Not Detected

Owner Name:	THOMAS TWICHELL		
Sample Address:	7710 BLUE VALLEY DR		
Lab Sample Number:	O-190023		
Date Collected:	190624	Mail to Name:	THOMAS TWICHELL
Field Number/ID:	TJ-3 PW-18	Mail to Address:	7710 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
carbon tetrachloride	ND	0.33	1.1	
chlorobenzene	ND	0.23	0.78	
chloroethane	ND	0.13	0.44	
chloroform	0.67	0.5	1.7	100
chloromethane	ND	0.27	0.91	
cis-1,2-dichloroethylene	ND	0.18	0.59	
cis-1,3-dichloropropylene	ND	0.14	0.48	
dibromochloromethane	ND	0.41	1.4	
dibromomethane	ND	0.32	1.1	
dichlorodifluoromethane	ND	0.42	1.4	
ethylbenzene	ND	0.3	0.99	
hexachlorobutadiene	ND	0.65	2.2	
isopropylbenzene	ND	0.37	1.2	
m,p-xylene	ND	0.32	1.1	
methylene chloride	ND	0.48	1.6	
naphthalene	ND	0.41	1.4	
n-butylbenzene	ND	0.46	1.5	
o-xylene	ND	0.33	1.1	
para-isopropyltoluene	ND	0.44	1.5	
propylbenzene	ND	0.39	1.3	
sec-butylbenzene	ND	0.44	1.5	
styrene	ND	0.32	1.1	
t-butylbenzene	ND	0.4	1.3	
tetrachloroethylene	ND	0.48	1.6	
toluene	ND	0.16	0.53	
trans-1,2-dichloroethylene	ND	0.2	0.68	
trans-1,3-dichloropropylene	ND	0.15	0.5	
trichloroethylene	ND	0.16	0.54	
trichlorofluoromethane	ND	1.2	3.9	
vinyl chloride	ND	0.18	0.61	

ND = Not Detected

Eau Claire City-County
Health Department

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

Sample Results - Volatile Organic Chemicals

BLUE VALLEY RESIDENTIAL WELLS

Analyzed by: Theodore P. Johnson

Owner Name:	DAVID HOVLAND		
Sample Address:	7811 BLUE VALLEY DR		
Lab Sample Number:	O-190024		
Date Collected:	190624	Mail to Name:	DAVID HOVLAND
Field Number/ID:	TJ-4 PW-8	Mail to Address:	7811 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
1,1,1,2-tetrachloroethane	ND	0.34	1.1	
1,1,1-trichloroethane	ND	0.31	1	
1,1,2,2-tetrachloroethane	ND	0.21	0.76	
1,1,2-trichloroethane	ND	0.4	1.3	
1,1-dichloroethane	ND	0.29	0.95	
1,1-dichloroethylene	ND	0.22	0.74	
1,1-dichloropropylene	ND	0.14	0.48	
1,2,3-trichlorobenzene	ND	0.33	1.1	
1,2,3-trichloropropane	ND	0.37	1.2	
1,2,4-trichlorobenzene	ND	0.3	0.99	
1,2,4-trimethylbenzene	ND	0.44	1.5	
1,2-dibromo-3-chloropropane	ND	0.41	1.4	
1,2-dibromoethane	ND	0.3	0.99	
1,2-dichlorobenzene	ND	0.26	0.87	
1,2-dichloroethane	ND	0.2	0.68	
1,2-dichloropropane	ND	0.26	0.86	
1,3,5-trimethylbenzene	ND	0.46	1.5	
1,3-dichlorobenzene	ND	0.23	0.77	
1,3-dichloropropane	ND	0.21	0.71	
1,4-dichlorobenzene	ND	0.25	0.83	
2,2-dichloropropane	ND	0.17	0.57	
2-chlorotoluene	ND	0.34	1.1	
4-chlorotoluene	ND	0.37	1.3	
benzene	ND	0.26	0.87	
bromobenzene	ND	0.2	0.68	
bromochloromethane	ND	0.34	1.1	
bromodichloromethane	ND	0.28	0.93	
bromoform	ND	0.36	1.2	
bromomethane	ND	0.16	0.53	

ND = Not Detected

Owner Name:	DAVID HOVLAND		
Sample Address:	7811 BLUE VALLEY DR		
Lab Sample Number:	O-190024		
Date Collected:	190624	Mail to Name:	DAVID HOVLAND
Field Number/ID:	TJ-4 PW-8	Mail to Address:	7811 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
carbon tetrachloride	ND	0.33	1.1	
chlorobenzene	ND	0.23	0.78	
chloroethane	ND	0.13	0.44	
chloroform	ND	0.5	1.7	
chloromethane	ND	0.27	0.91	
cis-1,2-dichloroethylene	ND	0.18	0.59	
cis-1,3-dichloropropylene	ND	0.14	0.48	
dibromochloromethane	ND	0.41	1.4	
dibromomethane	ND	0.32	1.1	
dichlorodifluoromethane	ND	0.42	1.4	
ethylbenzene	ND	0.3	0.99	
hexachlorobutadiene	ND	0.65	2.2	
isopropylbenzene	ND	0.37	1.2	
m,p-xylene	ND	0.32	1.1	
methylene chloride	ND	0.48	1.6	
naphthalene	ND	0.41	1.4	
n-butylbenzene	ND	0.46	1.5	
o-xylene	ND	0.33	1.1	
para-isopropyltoluene	ND	0.44	1.5	
propylbenzene	ND	0.39	1.3	
sec-butylbenzene	ND	0.44	1.5	
styrene	ND	0.32	1.1	
t-butylbenzene	ND	0.4	1.3	
tetrachloroethylene	ND	0.48	1.6	
toluene	ND	0.16	0.53	
trans-1,2-dichloroethylene	ND	0.2	0.68	
trans-1,3-dichloropropylene	ND	0.15	0.5	
trichloroethylene	ND	0.16	0.54	
trichlorofluoromethane	ND	1.2	3.9	
vinyl chloride	ND	0.18	0.61	

ND = Not Detected

Eau Claire City-County
Health Department

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

Sample Results - Volatile Organic Chemicals

BLUE VALLEY RESIDENTIAL WELLS

Analyzed by: Theodore P. Johnson

Owner Name:	THOMAS METCALFE		
Sample Address:	7754 BLUE VALLEY DR		
Lab Sample Number:	O-190025		
Date Collected:	190624	Mail to Name:	THOMAS METCALFE
Field Number/ID:	TJ-5 PW-10	Mail to Address:	7754 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
1,1,1,2-tetrachloroethane	ND	0.34	1.1	
1,1,1-trichloroethane	ND	0.31	1	
1,1,2,2-tetrachloroethane	ND	0.21	0.76	
1,1,2-trichloroethane	ND	0.4	1.3	
1,1-dichloroethane	ND	0.29	0.95	
1,1-dichloroethylene	ND	0.22	0.74	
1,1-dichloropropylene	ND	0.14	0.48	
1,2,3-trichlorobenzene	ND	0.33	1.1	
1,2,3-trichloropropane	ND	0.37	1.2	
1,2,4-trichlorobenzene	ND	0.3	0.99	
1,2,4-trimethylbenzene	ND	0.44	1.5	
1,2-dibromo-3-chloropropane	ND	0.41	1.4	
1,2-dibromoethane	ND	0.3	0.99	
1,2-dichlorobenzene	ND	0.26	0.87	
1,2-dichloroethane	ND	0.2	0.68	
1,2-dichloropropane	ND	0.26	0.86	
1,3,5-trimethylbenzene	ND	0.46	1.5	
1,3-dichlorobenzene	ND	0.23	0.77	
1,3-dichloropropane	ND	0.21	0.71	
1,4-dichlorobenzene	ND	0.25	0.83	
2,2-dichloropropane	ND	0.17	0.57	
2-chlorotoluene	ND	0.34	1.1	
4-chlorotoluene	ND	0.37	1.3	
benzene	ND	0.26	0.87	
bromobenzene	ND	0.2	0.68	
bromochloromethane	1.9	0.34	1.1	
bromodichloromethane	1.8	0.28	0.93	100
bromoform	ND	0.36	1.2	
bromomethane	ND	0.16	0.53	

ND = Not Detected

Owner Name:	THOMAS METCALFE		
Sample Address:	7754 BLUE VALLEY DR		
Lab Sample Number:	O-190025		
Date Collected:	190624	Mail to Name:	THOMAS METCALFE
Field Number/ID:	TJ-5 PW-10	Mail to Address:	7754 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
carbon tetrachloride	ND	0.33	1.1	
chlorobenzene	ND	0.23	0.78	
chloroethane	ND	0.13	0.44	
chloroform	15	0.5	1.7	100
chloromethane	ND	0.27	0.91	
cis-1,2-dichloroethylene	ND	0.18	0.59	
cis-1,3-dichloropropylene	ND	0.14	0.48	
dibromochloromethane	ND	0.41	1.4	
dibromomethane	ND	0.32	1.1	
dichlorodifluoromethane	ND	0.42	1.4	
ethylbenzene	ND	0.3	0.99	
hexachlorobutadiene	ND	0.65	2.2	
isopropylbenzene	ND	0.37	1.2	
m,p-xylene	ND	0.32	1.1	
methylene chloride	ND	0.48	1.6	
naphthalene	ND	0.41	1.4	
n-butylbenzene	ND	0.46	1.5	
o-xylene	ND	0.33	1.1	
para-isopropyltoluene	ND	0.44	1.5	
propylbenzene	ND	0.39	1.3	
sec-butylbenzene	ND	0.44	1.5	
styrene	ND	0.32	1.1	
t-butylbenzene	ND	0.4	1.3	
tetrachloroethylene	ND	0.48	1.6	
toluene	ND	0.16	0.53	
trans-1,2-dichloroethylene	ND	0.2	0.68	
trans-1,3-dichloropropylene	ND	0.15	0.5	
trichloroethylene	ND	0.16	0.54	
trichlorofluoromethane	ND	1.2	3.9	
vinyl chloride	ND	0.18	0.61	

ND = Not Detected

Eau Claire City-County
Health Department

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

Sample Results - Volatile Organic Chemicals

BLUE VALLEY RESIDENTIAL WELLS

Analyzed by: Theodore P. Johnson

Owner Name:	JAMES BAUER		
Sample Address:	6613 CRESCENT AVE		
Lab Sample Number:	O-190026		
Date Collected:	190624	Mail to Name:	JAMES BAUER
Field Number/ID:	TJ-6 PW-17	Mail to Address:	6613 CRESCENT AVE
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
1,1,1,2-tetrachloroethane	ND	0.34	1.1	
1,1,1-trichloroethane	ND	0.31	1	
1,1,2,2-tetrachloroethane	ND	0.21	0.76	
1,1,2-trichloroethane	ND	0.4	1.3	
1,1-dichloroethane	ND	0.29	0.95	
1,1-dichloroethylene	ND	0.22	0.74	
1,1-dichloropropylene	ND	0.14	0.48	
1,2,3-trichlorobenzene	ND	0.33	1.1	
1,2,3-trichloropropane	ND	0.37	1.2	
1,2,4-trichlorobenzene	ND	0.3	0.99	
1,2,4-trimethylbenzene	ND	0.44	1.5	
1,2-dibromo-3-chloropropane	ND	0.41	1.4	
1,2-dibromoethane	ND	0.3	0.99	
1,2-dichlorobenzene	ND	0.26	0.87	
1,2-dichloroethane	ND	0.2	0.68	
1,2-dichloropropane	ND	0.26	0.86	
1,3,5-trimethylbenzene	ND	0.46	1.5	
1,3-dichlorobenzene	ND	0.23	0.77	
1,3-dichloropropane	ND	0.21	0.71	
1,4-dichlorobenzene	ND	0.25	0.83	
2,2-dichloropropane	ND	0.17	0.57	
2-chlorotoluene	ND	0.34	1.1	
4-chlorotoluene	ND	0.37	1.3	
benzene	ND	0.26	0.87	
bromobenzene	ND	0.2	0.68	
bromochloromethane	ND	0.34	1.1	
bromodichloromethane	ND	0.28	0.93	
bromoform	ND	0.36	1.2	
bromomethane	ND	0.16	0.53	

ND = Not Detected

Owner Name:	JAMES BAUER		
Sample Address:	6613 CRESCENT AVE		
Lab Sample Number:	O-190026		
Date Collected:	190624	Mail to Name:	JAMES BAUER
Field Number/ID:	TJ-6 PW-17	Mail to Address:	6613 CRESCENT AVE
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
carbon tetrachloride	ND	0.33	1.1	
chlorobenzene	ND	0.23	0.78	
chloroethane	ND	0.13	0.44	
chloroform	ND	0.5	1.7	
chloromethane	ND	0.27	0.91	
cis-1,2-dichloroethylene	ND	0.18	0.59	
cis-1,3-dichloropropylene	ND	0.14	0.48	
dibromochloromethane	ND	0.41	1.4	
dibromomethane	ND	0.32	1.1	
dichlorodifluoromethane	ND	0.42	1.4	
ethylbenzene	ND	0.3	0.99	
hexachlorobutadiene	ND	0.65	2.2	
isopropylbenzene	ND	0.37	1.2	
m,p-xylene	ND	0.32	1.1	
methylene chloride	ND	0.48	1.6	
naphthalene	ND	0.41	1.4	
n-butylbenzene	ND	0.46	1.5	
o-xylene	ND	0.33	1.1	
para-isopropyltoluene	ND	0.44	1.5	
propylbenzene	ND	0.39	1.3	
sec-butylbenzene	ND	0.44	1.5	
styrene	ND	0.32	1.1	
t-butylbenzene	ND	0.4	1.3	
tetrachloroethylene	ND	0.48	1.6	
toluene	ND	0.16	0.53	
trans-1,2-dichloroethylene	ND	0.2	0.68	
trans-1,3-dichloropropylene	ND	0.15	0.5	
trichloroethylene	ND	0.16	0.54	
trichlorofluoromethane	ND	1.2	3.9	
vinyl chloride	ND	0.18	0.61	

ND = Not Detected

Eau Claire City-County
Health Department

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

Sample Results - Volatile Organic Chemicals

BLUE VALLEY RESIDENTIAL WELLS

Analyzed by: Theodore P. Johnson

Owner Name:	KAYLA BRIGGS		
Sample Address:	7590 CRESCENT AVE		
Lab Sample Number:	O-190027		
Date Collected:	190625	Mail to Name:	KAYLA BRIGGS
Field Number/ID:	TJ-7 PW-13	Mail to Address:	7590 CRESCENT AVE
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
1,1,1,2-tetrachloroethane	ND	0.34	1.1	
1,1,1-trichloroethane	ND	0.31	1	
1,1,2,2-tetrachloroethane	ND	0.21	0.76	
1,1,2-trichloroethane	ND	0.4	1.3	
1,1-dichloroethane	ND	0.29	0.95	
1,1-dichloroethylene	ND	0.22	0.74	
1,1-dichloropropylene	ND	0.14	0.48	
1,2,3-trichlorobenzene	ND	0.33	1.1	
1,2,3-trichloropropane	ND	0.37	1.2	
1,2,4-trichlorobenzene	ND	0.3	0.99	
1,2,4-trimethylbenzene	ND	0.44	1.5	
1,2-dibromo-3-chloropropane	ND	0.41	1.4	
1,2-dibromoethane	ND	0.3	0.99	
1,2-dichlorobenzene	ND	0.26	0.87	
1,2-dichloroethane	ND	0.2	0.68	
1,2-dichloropropane	ND	0.26	0.86	
1,3,5-trimethylbenzene	ND	0.46	1.5	
1,3-dichlorobenzene	ND	0.23	0.77	
1,3-dichloropropane	ND	0.21	0.71	
1,4-dichlorobenzene	ND	0.25	0.83	
2,2-dichloropropane	ND	0.17	0.57	
2-chlorotoluene	ND	0.34	1.1	
4-chlorotoluene	ND	0.37	1.3	
benzene	ND	0.26	0.87	
bromobenzene	ND	0.2	0.68	
bromochloromethane	ND	0.34	1.1	
bromodichloromethane	ND	0.28	0.93	
bromoform	ND	0.36	1.2	
bromomethane	ND	0.16	0.53	

ND = Not Detected

Owner Name:	KAYLA BRIGGS		
Sample Address:	7590 CRESCENT AVE		
Lab Sample Number:	O-190027		
Date Collected:	190625	Mail to Name:	KAYLA BRIGGS
Field Number/ID:	TJ-7 PW-13	Mail to Address:	7590 CRESCENT AVE
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
carbon tetrachloride	ND	0.33	1.1	
chlorobenzene	ND	0.23	0.78	
chloroethane	ND	0.13	0.44	
chloroform	ND	0.5	1.7	
chloromethane	ND	0.27	0.91	
cis-1,2-dichloroethylene	ND	0.18	0.59	
cis-1,3-dichloropropylene	ND	0.14	0.48	
dibromochloromethane	ND	0.41	1.4	
dibromomethane	ND	0.32	1.1	
dichlorodifluoromethane	ND	0.42	1.4	
ethylbenzene	ND	0.3	0.99	
hexachlorobutadiene	ND	0.65	2.2	
isopropylbenzene	ND	0.37	1.2	
m,p-xylene	ND	0.32	1.1	
methylene chloride	ND	0.48	1.6	
naphthalene	ND	0.41	1.4	
n-butylbenzene	ND	0.46	1.5	
o-xylene	ND	0.33	1.1	
para-isopropyltoluene	ND	0.44	1.5	
propylbenzene	ND	0.39	1.3	
sec-butylbenzene	ND	0.44	1.5	
styrene	ND	0.32	1.1	
t-butylbenzene	ND	0.4	1.3	
tetrachloroethylene	ND	0.48	1.6	
toluene	ND	0.16	0.53	
trans-1,2-dichloroethylene	ND	0.2	0.68	
trans-1,3-dichloropropylene	ND	0.15	0.5	
trichloroethylene	ND	0.16	0.54	
trichlorofluoromethane	ND	1.2	3.9	
vinyl chloride	ND	0.18	0.61	

ND = Not Detected

Eau Claire City-County
Health Department

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

Sample Results - Volatile Organic Chemicals

BLUE VALLEY RESIDENTIAL WELLS

Analyzed by: Theodore P. Johnson

Owner Name:	RICHARD PUTZIER		
Sample Address:	7871 BLUE VALLEY DR		
Lab Sample Number:	O-190028		
Date Collected:	190625	Mail to Name:	RICHARD PUTZIER
Field Number/ID:	TJ8 PW-1	Mail to Address:	7871 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
1,1,1,2-tetrachloroethane	ND	0.34	1.1	
1,1,1-trichloroethane	ND	0.31	1	
1,1,2,2-tetrachloroethane	ND	0.21	0.76	
1,1,2-trichloroethane	ND	0.4	1.3	
1,1-dichloroethane	ND	0.29	0.95	
1,1-dichloroethylene	ND	0.22	0.74	
1,1-dichloropropylene	ND	0.14	0.48	
1,2,3-trichlorobenzene	ND	0.33	1.1	
1,2,3-trichloropropane	ND	0.37	1.2	
1,2,4-trichlorobenzene	ND	0.3	0.99	
1,2,4-trimethylbenzene	ND	0.44	1.5	
1,2-dibromo-3-chloropropane	ND	0.41	1.4	
1,2-dibromoethane	ND	0.3	0.99	
1,2-dichlorobenzene	ND	0.26	0.87	
1,2-dichloroethane	ND	0.2	0.68	
1,2-dichloropropane	ND	0.26	0.86	
1,3,5-trimethylbenzene	ND	0.46	1.5	
1,3-dichlorobenzene	ND	0.23	0.77	
1,3-dichloropropane	ND	0.21	0.71	
1,4-dichlorobenzene	ND	0.25	0.83	
2,2-dichloropropane	ND	0.17	0.57	
2-chlorotoluene	ND	0.34	1.1	
4-chlorotoluene	ND	0.37	1.3	
benzene	ND	0.26	0.87	
bromobenzene	ND	0.2	0.68	
bromochloromethane	ND	0.34	1.1	
bromodichloromethane	ND	0.28	0.93	
bromoform	ND	0.36	1.2	
bromomethane	ND	0.16	0.53	

ND = Not Detected

Owner Name:	RICHARD PUTZIER		
Sample Address:	7871 BLUE VALLEY DR		
Lab Sample Number:	O-190028		
Date Collected:	190625	Mail to Name:	RICHARD PUTZIER
Field Number/ID:	TJ8 PW-1	Mail to Address:	7871 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
carbon tetrachloride	ND	0.33	1.1	
chlorobenzene	ND	0.23	0.78	
chloroethane	ND	0.13	0.44	
chloroform	ND	0.5	1.7	
chloromethane	ND	0.27	0.91	
cis-1,2-dichloroethylene	ND	0.18	0.59	
cis-1,3-dichloropropylene	ND	0.14	0.48	
dibromochloromethane	ND	0.41	1.4	
dibromomethane	ND	0.32	1.1	
dichlorodifluoromethane	ND	0.42	1.4	
ethylbenzene	ND	0.3	0.99	
hexachlorobutadiene	ND	0.65	2.2	
isopropylbenzene	ND	0.37	1.2	
m,p-xylene	ND	0.32	1.1	
methylene chloride	ND	0.48	1.6	
naphthalene	ND	0.41	1.4	
n-butylbenzene	ND	0.46	1.5	
o-xylene	ND	0.33	1.1	
para-isopropyltoluene	ND	0.44	1.5	
propylbenzene	ND	0.39	1.3	
sec-butylbenzene	ND	0.44	1.5	
styrene	ND	0.32	1.1	
t-butylbenzene	ND	0.4	1.3	
tetrachloroethylene	ND	0.48	1.6	
toluene	ND	0.16	0.53	
trans-1,2-dichloroethylene	ND	0.2	0.68	
trans-1,3-dichloropropylene	ND	0.15	0.5	
trichloroethylene	ND	0.16	0.54	
trichlorofluoromethane	ND	1.2	3.9	
vinyl chloride	ND	0.18	0.61	

ND = Not Detected

Eau Claire City-County
Health Department

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

Sample Results - Volatile Organic Chemicals

BLUE VALLEY RESIDENTIAL WELLS

Analyzed by: Theodore P. Johnson

Owner Name:	RICHARD HUSET		
Sample Address:	7629 BLUE VALLEY DR		
Lab Sample Number:	O-190029		
Date Collected:	190625	Mail to Name:	RICHARD HUSET
Field Number/ID:	TJ-9 PW-5	Mail to Address:	7629 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
1,1,1,2-tetrachloroethane	ND	0.34	1.1	
1,1,1-trichloroethane	ND	0.31	1	
1,1,2,2-tetrachloroethane	ND	0.21	0.76	
1,1,2-trichloroethane	ND	0.4	1.3	
1,1-dichloroethane	1.2	0.29	0.95	850
1,1-dichloroethylene	ND	0.22	0.74	
1,1-dichloropropylene	ND	0.14	0.48	
1,2,3-trichlorobenzene	ND	0.33	1.1	
1,2,3-trichloropropane	ND	0.37	1.2	
1,2,4-trichlorobenzene	ND	0.3	0.99	
1,2,4-trimethylbenzene	ND	0.44	1.5	
1,2-dibromo-3-chloropropane	ND	0.41	1.4	
1,2-dibromoethane	ND	0.3	0.99	
1,2-dichlorobenzene	ND	0.26	0.87	
1,2-dichloroethane	ND	0.2	0.68	
1,2-dichloropropane	ND	0.26	0.86	
1,3,5-trimethylbenzene	ND	0.46	1.5	
1,3-dichlorobenzene	ND	0.23	0.77	
1,3-dichloropropane	ND	0.21	0.71	
1,4-dichlorobenzene	ND	0.25	0.83	
2,2-dichloropropane	ND	0.17	0.57	
2-chlorotoluene	ND	0.34	1.1	
4-chlorotoluene	ND	0.37	1.3	
benzene	ND	0.26	0.87	
bromobenzene	ND	0.2	0.68	
bromochloromethane	ND	0.34	1.1	
bromodichloromethane	ND	0.28	0.93	
bromoform	ND	0.36	1.2	
bromomethane	ND	0.16	0.53	

ND = Not Detected

Owner Name:	RICHARD HUSET		
Sample Address:	7629 BLUE VALLEY DR		
Lab Sample Number:	O-190029		
Date Collected:	190625	Mail to Name:	RICHARD HUSET
Field Number/ID:	TJ-9 PW-5	Mail to Address:	7629 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
carbon tetrachloride	ND	0.33	1.1	
chlorobenzene	ND	0.23	0.78	
chloroethane	ND	0.13	0.44	
chloroform	ND	0.5	1.7	
chloromethane	ND	0.27	0.91	
cis-1,2-dichloroethylene	0.62	0.18	0.59	70
cis-1,3-dichloropropylene	ND	0.14	0.48	
dibromochloromethane	ND	0.41	1.4	
dibromomethane	ND	0.32	1.1	
dichlorodifluoromethane	ND	0.42	1.4	
ethylbenzene	ND	0.3	0.99	
hexachlorobutadiene	ND	0.65	2.2	
isopropylbenzene	ND	0.37	1.2	
m,p-xylene	ND	0.32	1.1	
methylene chloride	ND	0.48	1.6	
naphthalene	ND	0.41	1.4	
n-butylbenzene	ND	0.46	1.5	
o-xylene	ND	0.33	1.1	
para-isopropyltoluene	ND	0.44	1.5	
propylbenzene	ND	0.39	1.3	
sec-butylbenzene	ND	0.44	1.5	
styrene	ND	0.32	1.1	
t-butylbenzene	ND	0.4	1.3	
tetrachloroethylene	ND	0.48	1.6	
toluene	ND	0.16	0.53	
trans-1,2-dichloroethylene	ND	0.2	0.68	
trans-1,3-dichloropropylene	ND	0.15	0.5	
trichloroethylene	ND	0.16	0.54	
trichlorofluoromethane	ND	1.2	3.9	
vinyl chloride	ND	0.18	0.61	

ND = Not Detected

Eau Claire City-County
Health Department

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

Sample Results - Volatile Organic Chemicals

BLUE VALLEY RESIDENTIAL WELLS

Analyzed by: Theodore P. Johnson

Owner Name:	NANCY NEFF		
Sample Address:	7822 BLUE VALLEY DR		
Lab Sample Number:	O-190030		
Date Collected:	190625	Mail to Name:	NANCY NEFF
Field Number/ID:	TJ-10 PW-7	Mail to Address:	7822 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
1,1,1,2-tetrachloroethane	ND	0.34	1.1	
1,1,1-trichloroethane	ND	0.31	1	
1,1,2,2-tetrachloroethane	ND	0.21	0.76	
1,1,2-trichloroethane	ND	0.4	1.3	
1,1-dichloroethane	ND	0.29	0.95	
1,1-dichloroethylene	ND	0.22	0.74	
1,1-dichloropropylene	ND	0.14	0.48	
1,2,3-trichlorobenzene	ND	0.33	1.1	
1,2,3-trichloropropane	ND	0.37	1.2	
1,2,4-trichlorobenzene	ND	0.3	0.99	
1,2,4-trimethylbenzene	ND	0.44	1.5	
1,2-dibromo-3-chloropropane	ND	0.41	1.4	
1,2-dibromoethane	ND	0.3	0.99	
1,2-dichlorobenzene	ND	0.26	0.87	
1,2-dichloroethane	ND	0.2	0.68	
1,2-dichloropropane	ND	0.26	0.86	
1,3,5-trimethylbenzene	ND	0.46	1.5	
1,3-dichlorobenzene	ND	0.23	0.77	
1,3-dichloropropane	ND	0.21	0.71	
1,4-dichlorobenzene	ND	0.25	0.83	
2,2-dichloropropane	ND	0.17	0.57	
2-chlorotoluene	ND	0.34	1.1	
4-chlorotoluene	ND	0.37	1.3	
benzene	ND	0.26	0.87	
bromobenzene	ND	0.2	0.68	
bromochloromethane	ND	0.34	1.1	
bromodichloromethane	ND	0.28	0.93	
bromoform	ND	0.36	1.2	
bromomethane	ND	0.16	0.53	

ND = Not Detected

Owner Name:	NANCY NEFF		
Sample Address:	7822 BLUE VALLEY DR		
Lab Sample Number:	O-190030		
Date Collected:	190625	Mail to Name:	NANCY NEFF
Field Number/ID:	TJ-10 PW-7	Mail to Address:	7822 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
carbon tetrachloride	ND	0.33	1.1	
chlorobenzene	ND	0.23	0.78	
chloroethane	ND	0.13	0.44	
chloroform	ND	0.5	1.7	
chloromethane	ND	0.27	0.91	
cis-1,2-dichloroethylene	ND	0.18	0.59	
cis-1,3-dichloropropylene	ND	0.14	0.48	
dibromochloromethane	ND	0.41	1.4	
dibromomethane	ND	0.32	1.1	
dichlorodifluoromethane	ND	0.42	1.4	
ethylbenzene	ND	0.3	0.99	
hexachlorobutadiene	ND	0.65	2.2	
isopropylbenzene	ND	0.37	1.2	
m,p-xylene	ND	0.32	1.1	
methylene chloride	ND	0.48	1.6	
naphthalene	ND	0.41	1.4	
n-butylbenzene	ND	0.46	1.5	
o-xylene	ND	0.33	1.1	
para-isopropyltoluene	ND	0.44	1.5	
propylbenzene	ND	0.39	1.3	
sec-butylbenzene	ND	0.44	1.5	
styrene	ND	0.32	1.1	
t-butylbenzene	ND	0.4	1.3	
tetrachloroethylene	ND	0.48	1.6	
toluene	ND	0.16	0.53	
trans-1,2-dichloroethylene	ND	0.2	0.68	
trans-1,3-dichloropropylene	ND	0.15	0.5	
trichloroethylene	ND	0.16	0.54	
trichlorofluoromethane	ND	1.2	3.9	
vinyl chloride	ND	0.18	0.61	

ND = Not Detected

Eau Claire City-County
Health Department

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

Sample Results - Volatile Organic Chemicals

BLUE VALLEY RESIDENTIAL WELLS

Analyzed by: Theodore P. Johnson

Owner Name:	HOLLY GOSS		
Sample Address:	6606 CRESCENT AVE		
Lab Sample Number:	O-190031		
Date Collected:	190625	Mail to Name:	HOLLY GOSS
Field Number/ID:	TJ-11 PW-15	Mail to Address:	6606 CRESCENT AVE
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
1,1,1,2-tetrachloroethane	ND	0.34	1.1	
1,1,1-trichloroethane	ND	0.31	1	
1,1,2,2-tetrachloroethane	ND	0.21	0.76	
1,1,2-trichloroethane	ND	0.4	1.3	
1,1-dichloroethane	ND	0.29	0.95	
1,1-dichloroethylene	ND	0.22	0.74	
1,1-dichloropropylene	ND	0.14	0.48	
1,2,3-trichlorobenzene	ND	0.33	1.1	
1,2,3-trichloropropane	ND	0.37	1.2	
1,2,4-trichlorobenzene	ND	0.3	0.99	
1,2,4-trimethylbenzene	ND	0.44	1.5	
1,2-dibromo-3-chloropropane	ND	0.41	1.4	
1,2-dibromoethane	ND	0.3	0.99	
1,2-dichlorobenzene	ND	0.26	0.87	
1,2-dichloroethane	ND	0.2	0.68	
1,2-dichloropropane	ND	0.26	0.86	
1,3,5-trimethylbenzene	ND	0.46	1.5	
1,3-dichlorobenzene	ND	0.23	0.77	
1,3-dichloropropane	ND	0.21	0.71	
1,4-dichlorobenzene	ND	0.25	0.83	
2,2-dichloropropane	ND	0.17	0.57	
2-chlorotoluene	ND	0.34	1.1	
4-chlorotoluene	ND	0.37	1.3	
benzene	ND	0.26	0.87	
bromobenzene	ND	0.2	0.68	
bromochloromethane	ND	0.34	1.1	
bromodichloromethane	ND	0.28	0.93	
bromoform	ND	0.36	1.2	
bromomethane	ND	0.16	0.53	

ND = Not Detected

Owner Name:	HOLLY GOSS		
Sample Address:	6606 CRESCENT AVE		
Lab Sample Number:	O-190031		
Date Collected:	190625	Mail to Name:	HOLLY GOSS
Field Number/ID:	TJ-11 PW-15	Mail to Address:	6606 CRESCENT AVE
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
carbon tetrachloride	ND	0.33	1.1	
chlorobenzene	ND	0.23	0.78	
chloroethane	ND	0.13	0.44	
chloroform	0.87	0.5	1.7	100
chloromethane	ND	0.27	0.91	
cis-1,2-dichloroethylene	ND	0.18	0.59	
cis-1,3-dichloropropylene	ND	0.14	0.48	
dibromochloromethane	ND	0.41	1.4	
dibromomethane	ND	0.32	1.1	
dichlorodifluoromethane	ND	0.42	1.4	
ethylbenzene	ND	0.3	0.99	
hexachlorobutadiene	ND	0.65	2.2	
isopropylbenzene	ND	0.37	1.2	
m,p-xylene	ND	0.32	1.1	
methylene chloride	ND	0.48	1.6	
naphthalene	ND	0.41	1.4	
n-butylbenzene	ND	0.46	1.5	
o-xylene	ND	0.33	1.1	
para-isopropyltoluene	ND	0.44	1.5	
propylbenzene	ND	0.39	1.3	
sec-butylbenzene	ND	0.44	1.5	
styrene	ND	0.32	1.1	
t-butylbenzene	ND	0.4	1.3	
tetrachloroethylene	ND	0.48	1.6	
toluene	ND	0.16	0.53	
trans-1,2-dichloroethylene	ND	0.2	0.68	
trans-1,3-dichloropropylene	ND	0.15	0.5	
trichloroethylene	ND	0.16	0.54	
trichlorofluoromethane	ND	1.2	3.9	
vinyl chloride	ND	0.18	0.61	

ND = Not Detected

Eau Claire City-County
Health Department

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

Sample Results - Volatile Organic Chemicals

BLUE VALLEY RESIDENTIAL WELLS

Analyzed by: Theodore P. Johnson

Theodore P. Johnson

Owner Name:	CHRIS BERTSCH		
Sample Address:	7593 BLUE VALLEY DR		
Lab Sample Number:	O-190032		
Date Collected:	190625	Mail to Name:	CHRIS BERTSCH
Field Number/ID:	TJ-12 PW-33	Mail to Address:	7593 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
1,1,1,2-tetrachloroethane	ND	0.34	1.1	
1,1,1-trichloroethane	2.8	0.31	1	200
1,1,2,2-tetrachloroethane	ND	0.21	0.76	
1,1,2-trichloroethane	1.7	0.4	1.3	5
1,1-dichloroethane	37	0.29	0.95	850
1,1-dichloroethylene	0.90	0.22	0.74	7
1,1-dichloropropylene	ND	0.14	0.48	
1,2,3-trichlorobenzene	ND	0.33	1.1	
1,2,3-trichloropropane	ND	0.37	1.2	
1,2,4-trichlorobenzene	ND	0.3	0.99	
1,2,4-trimethylbenzene	ND	0.44	1.5	
1,2-dibromo-3-chloropropane	ND	0.41	1.4	
1,2-dibromoethane	ND	0.3	0.99	
1,2-dichlorobenzene	ND	0.26	0.87	
1,2-dichloroethane	2.8	0.2	0.68	5
1,2-dichloropropane	1.1	0.26	0.86	5
1,3,5-trimethylbenzene	ND	0.46	1.5	
1,3-dichlorobenzene	ND	0.23	0.77	
1,3-dichloropropane	ND	0.21	0.71	
1,4-dichlorobenzene	ND	0.25	0.83	
2,2-dichloropropane	ND	0.17	0.57	
2-chlorotoluene	ND	0.34	1.1	
4-chlorotoluene	ND	0.37	1.3	
benzene	ND	0.26	0.87	
bromobenzene	ND	0.2	0.68	
bromochloromethane	ND	0.34	1.1	
bromodichloromethane	ND	0.28	0.93	
bromoform	ND	0.36	1.2	
bromomethane	ND	0.16	0.53	

ND = Not Detected

Owner Name:	CHRIS BERTSCH		
Sample Address:	7593 BLUE VALLEY DR		
Lab Sample Number:	O-190032		
Date Collected:	190625	Mail to Name:	CHRIS BERTSCH
Field Number/ID:	TJ-12 PW-33	Mail to Address:	7593 BLUE VALLEY DR
Date Analyzed	190705	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
carbon tetrachloride	0.33	0.33	1.1	
chlorobenzene	ND	0.23	0.78	
chloroethane	0.64	0.13	0.44	
chloroform	ND	0.5	1.7	
chloromethane	ND	0.27	0.91	
cis-1,2-dichloroethylene	13	0.18	0.59	70
cis-1,3-dichloropropylene	ND	0.14	0.48	
dibromochloromethane	ND	0.41	1.4	
dibromomethane	ND	0.32	1.1	
dichlorodifluoromethane	2.3	0.42	1.4	1000
ethylbenzene	ND	0.3	0.99	
hexachlorobutadiene	ND	0.65	2.2	
isopropylbenzene	ND	0.37	1.2	
m,p-xylene	ND	0.32	1.1	
methylene chloride	0.90	0.48	1.6	5
naphthalene	ND	0.41	1.4	
n-butylbenzene	ND	0.46	1.5	
o-xylene	ND	0.33	1.1	
para-isopropyltoluene	ND	0.44	1.5	
propylbenzene	ND	0.39	1.3	
sec-butylbenzene	ND	0.44	1.5	
styrene	ND	0.32	1.1	
t-butylbenzene	ND	0.4	1.3	
tetrachloroethylene	ND	0.48	1.6	
toluene	ND	0.16	0.53	
trans-1,2-dichloroethylene	ND	0.2	0.68	
trans-1,3-dichloropropylene	ND	0.15	0.5	
trichloroethylene	1.5	0.16	0.54	5
trichlorofluoromethane	ND	1.2	3.9	
vinyl chloride	ND	0.18	0.61	

ND = Not Detected

Eau Claire City-County
Health Department

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

Sample Results - Volatile Organic Chemicals

Analyzed by: Theodore P. Johnson

Owner Name:	CHRIS BERTSCH		
Sample Address:	7593 BLUE VALLEY DR		
Lab Sample Number:	O-190033		
Date Collected:	190625	Mail to Name:	CHRIS BERTSCH
Field Number/ID:	TJ-13 PW-33 TREATED	Mail to Address:	7593 BLUE VALLEY DR
Date Analyzed	190709	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
1,1,1,2-tetrachloroethane	ND	0.34	1.1	
1,1,1-trichloroethane	ND	0.31	1	
1,1,2,2-tetrachloroethane	ND	0.21	0.76	
1,1,2-trichloroethane	ND	0.4	1.3	
1,1-dichloroethane	4.4	0.29	0.95	850
1,1-dichloroethylene	ND	0.22	0.74	
1,1-dichloropropylene	ND	0.14	0.48	
1,2,3-trichlorobenzene	ND	0.33	1.1	
1,2,3-trichloropropane	ND	0.37	1.2	
1,2,4-trichlorobenzene	ND	0.3	0.99	
1,2,4-trimethylbenzene	ND	0.44	1.5	
1,2-dibromo-3-chloropropane	ND	0.41	1.4	
1,2-dibromoethane	ND	0.3	0.99	
1,2-dichlorobenzene	ND	0.26	0.87	
1,2-dichloroethane	ND	0.2	0.68	
1,2-dichloropropane	ND	0.26	0.86	
1,3,5-trimethylbenzene	ND	0.46	1.5	
1,3-dichlorobenzene	ND	0.23	0.77	
1,3-dichloropropane	ND	0.21	0.71	
1,4-dichlorobenzene	ND	0.25	0.83	
2,2-dichloropropane	ND	0.17	0.57	
2-chlorotoluene	ND	0.34	1.1	
4-chlorotoluene	ND	0.37	1.3	
benzene	ND	0.26	0.87	
bromobenzene	ND	0.2	0.68	
bromochloromethane	1.3	0.34	1.1	
bromodichloromethane	1.2	0.28	0.93	100
bromoform	ND	0.36	1.2	
bromomethane	ND	0.16	0.53	

ND = Not Detected

Owner Name:	CHRIS BERTSCH		
Sample Address:	7593 BLUE VALLEY DR		
Lab Sample Number:	O-190033		
Date Collected:	190625	Mail to Name:	CHRIS BERTSCH
Field Number/ID:	TJ-13 PW-33 TREATED	Mail to Address:	7593 BLUE VALLEY DR
Date Analyzed	190709	Mail to City, State, Zip:	EAU CLAIRE WI 54703

Chemical	*Result (ppb)*	*Limit of Detection (ppb)*	*Limit of Quantitation (ppb)*	*Health Advisory (ppb)*
carbon tetrachloride	ND	0.33	1.1	
chlorobenzene	ND	0.23	0.78	
chloroethane	ND	0.13	0.44	
chloroform	9.8	0.5	1.7	100
chloromethane	ND	0.27	0.91	
cis-1,2-dichloroethylene	ND	0.18	0.59	
cis-1,3-dichloropropylene	ND	0.14	0.48	
dibromochloromethane	ND	0.41	1.4	
dibromomethane	ND	0.32	1.1	
dichlorodifluoromethane	ND	0.42	1.4	
ethylbenzene	ND	0.3	0.99	
hexachlorobutadiene	ND	0.65	2.2	
isopropylbenzene	ND	0.37	1.2	
m,p-xylene	ND	0.32	1.1	
methylene chloride	ND	0.48	1.6	
naphthalene	ND	0.41	1.4	
n-butylbenzene	ND	0.46	1.5	
o-xylene	ND	0.33	1.1	
para-isopropyltoluene	ND	0.44	1.5	
propylbenzene	ND	0.39	1.3	
sec-butylbenzene	ND	0.44	1.5	
styrene	ND	0.32	1.1	
t-butylbenzene	ND	0.4	1.3	
tetrachloroethylene	ND	0.48	1.6	
toluene	ND	0.16	0.53	
trans-1,2-dichloroethylene	ND	0.2	0.68	
trans-1,3-dichloropropylene	ND	0.15	0.5	
trichloroethylene	ND	0.16	0.54	
trichlorofluoromethane	ND	1.2	3.9	
vinyl chloride	ND	0.18	0.61	

ND = Not Detected

VOLATILE ORGANIC CHEMICALS BY EPA METHOD 524.2

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

		OWNER:	GERALD CANDELL	JEFF WOLD	THOMAS TWICHELL	DAVID HOVLAND
		SAMPLING DATE (YYMMDD):	190624	190624	190624	190624
		LAB SAMPLE NUMBER:	O-190022	O-190021	O-190023	O-190024
	LOD	LOQ				
CHEMICAL	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-tetrachloroethane	0.34	1.1	ND	ND	ND	ND
1,1,1-trichloroethane	0.31	1	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	0.21	0.76	ND	ND	ND	ND
1,1,2-trichloroethane	0.4	1.3	ND	ND	ND	ND
1,1-dichloroethane	0.29	0.95	ND	ND	ND	ND
1,1-dichloroethene	0.22	0.74	ND	ND	ND	ND
1,1-dichloropropene	0.14	0.48	ND	ND	ND	ND
1,2,3-trichlorobenzene	0.33	1.1	ND	ND	ND	ND
1,2,3-trichloropropane	0.37	1.2	ND	ND	ND	ND
1,2,4-trichlorobenzene	0.3	0.99	ND	ND	ND	ND
1,2,4-trimethylbenzene	0.44	1.5	ND	ND	ND	ND
1,2-dibromo-3-chloropropane	0.41	1.4	ND	ND	ND	ND
1,2-dibromoethane	0.3	0.99	ND	ND	ND	ND
1,2-dichlorobenzene	0.26	0.87	ND	ND	ND	ND
1,2-dichloroethane	0.2	0.68	ND	ND	ND	ND
1,2-dichloropropane	0.26	0.86	ND	ND	ND	ND
1,3,5-trimethylbenzene	0.46	1.5	ND	ND	ND	ND
1,3-dichlorobenzene	0.23	0.77	ND	ND	ND	ND
1,3-dichloropropane	0.21	0.71	ND	ND	ND	ND
1,4-dichlorobenzene	0.25	0.83	ND	ND	ND	ND
2,2-dichloropropane	0.17	0.57	ND	ND	ND	ND
2-chlorotoluene	0.34	1.1	ND	ND	ND	ND
4-chlorotoluene	0.37	1.3	ND	ND	ND	ND
benzene	0.26	0.87	ND	ND	ND	ND
bromobenzene	0.2	0.68	ND	ND	ND	ND
bromochloromethane	0.34	1.1	ND	ND	ND	ND
bromodichloromethane	0.28	0.93	ND	ND	ND	ND
bromoform	0.36	1.2	ND	ND	ND	ND
bromomethane	0.16	0.53	ND	ND	ND	ND
carbon tetrachloride	0.33	1.1	ND	ND	ND	ND
chlorobenzene	0.23	0.78	ND	ND	ND	ND
chloroethane	0.13	0.44	ND	ND	ND	ND
chloroform	0.5	1.7	ND	ND	0.67	ND
chloromethane	0.27	0.91	ND	ND	ND	ND
cis-1,2-dichloroethene	0.18	0.59	ND	ND	ND	ND
cis-1,3-dichloropropene	0.14	0.48	ND	ND	ND	ND
dibromochloromethane	0.41	1.4	ND	ND	ND	ND
dibromomethane	0.34	1.1	ND	ND	ND	ND
dichlorodifluoromethane	0.31	1	ND	ND	ND	ND
ethylbenzene	0.21	0.76	ND	ND	ND	ND
hexachlorobutadiene	0.4	1.3	ND	ND	ND	ND
isopropylbenzene	0.29	0.95	ND	ND	ND	ND
m,p-xylene	0.22	0.74	ND	ND	ND	ND
methylene chloride	0.14	0.48	ND	ND	ND	ND
naphthalene	0.33	1.1	ND	ND	ND	ND
n-butylbenzene	0.37	1.2	ND	ND	ND	ND
o-xylene	0.3	0.99	ND	ND	ND	ND
para-isopropyltoluene	0.44	1.5	ND	ND	ND	ND
propylbenzene	0.41	1.4	ND	ND	ND	ND
sec-butylbenzene	0.3	0.99	ND	ND	ND	ND
styrene	0.26	0.87	ND	ND	ND	ND
t-butylbenzene	0.2	0.68	ND	ND	ND	ND
tetrachloroethylene	0.26	0.86	ND	ND	ND	ND
toluene	0.46	1.5	ND	ND	ND	ND
trans-1,2-dichloroethene	0.23	0.77	ND	ND	ND	ND
trans-1,3-dichloropropene	0.21	0.71	ND	ND	ND	ND
trichloroethylene	0.25	0.83	ND	ND	ND	ND
trichlorofluoromethane	0.17	0.57	ND	ND	ND	ND
vinyl chloride	0.34	1.1	ND	ND	ND	ND

ND = Not detected

		OWNER:	THOMAS METCALFE	JAMES BAUER	KAYLA BRIGGS	RICHARD PUTZIER
		SAMPLING DATE (YYMMDD):	190624	190624	190625	190625
		LAB SAMPLE NUMBER:	O-190025	O-190026	O-190027	O-190028
	LOD	LOQ				
CHEMICAL	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-tetrachloroethane	0.34	1.1	ND	ND	ND	ND
1,1,1-trichloroethane	0.31	1	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	0.21	0.76	ND	ND	ND	ND
1,1,2-trichloroethane	0.4	1.3	ND	ND	ND	ND
1,1-dichloroethane	0.29	0.95	ND	ND	ND	ND
1,1-dichloroethene	0.22	0.74	ND	ND	ND	ND
1,1-dichloropropene	0.14	0.48	ND	ND	ND	ND
1,2,3-trichlorobenzene	0.33	1.1	ND	ND	ND	ND
1,2,3-trichloropropane	0.37	1.2	ND	ND	ND	ND
1,2,4-trichlorobenzene	0.3	0.99	ND	ND	ND	ND
1,2,4-trimethylbenzene	0.44	1.5	ND	ND	ND	ND
1,2-dibromo-3-chloropropane	0.41	1.4	ND	ND	ND	ND
1,2-dibromoethane	0.3	0.99	ND	ND	ND	ND
1,2-dichlorobenzene	0.26	0.87	ND	ND	ND	ND
1,2-dichloroethane	0.2	0.68	ND	ND	ND	ND
1,2-dichloropropane	0.26	0.86	ND	ND	ND	ND
1,3,5-trimethylbenzene	0.46	1.5	ND	ND	ND	ND
1,3-dichlorobenzene	0.23	0.77	ND	ND	ND	ND
1,3-dichloropropane	0.21	0.71	ND	ND	ND	ND
1,4-dichlorobenzene	0.25	0.83	ND	ND	ND	ND
2,2-dichloropropane	0.17	0.57	ND	ND	ND	ND
2-chlorotoluene	0.34	1.1	ND	ND	ND	ND
4-chlorotoluene	0.37	1.3	ND	ND	ND	ND
benzene	0.26	0.87	ND	ND	ND	ND
bromobenzene	0.2	0.68	ND	ND	ND	ND
bromochloromethane	0.34	1.1	1.9	ND	ND	ND
bromodichloromethane	0.28	0.93	1.8	ND	ND	ND
bromoform	0.36	1.2	ND	ND	ND	ND
bromomethane	0.16	0.53	ND	ND	ND	ND
carbon tetrachloride	0.33	1.1	ND	ND	ND	ND
chlorobenzene	0.23	0.78	ND	ND	ND	ND
chloroethane	0.13	0.44	ND	ND	ND	ND
chloroform	0.5	1.7	15	ND	ND	ND
chloromethane	0.27	0.91	ND	ND	ND	ND
cis-1,2-dichloroethene	0.18	0.59	ND	ND	ND	ND
cis-1,3-dichloropropene	0.14	0.48	ND	ND	ND	ND
dibromochloromethane	0.41	1.4	ND	ND	ND	ND
dibromomethane	0.34	1.1	ND	ND	ND	ND
dichlorodifluoromethane	0.31	1	ND	ND	ND	ND
ethylbenzene	0.21	0.76	ND	ND	ND	ND
hexachlorobutadiene	0.4	1.3	ND	ND	ND	ND
isopropylbenzene	0.29	0.95	ND	ND	ND	ND
m,p-xylene	0.22	0.74	ND	ND	ND	ND
methylene chloride	0.14	0.48	ND	ND	ND	ND
naphthalene	0.33	1.1	ND	ND	ND	ND
n-butylbenzene	0.37	1.2	ND	ND	ND	ND
o-xylene	0.3	0.99	ND	ND	ND	ND
para-isopropyltoluene	0.44	1.5	ND	ND	ND	ND
propylbenzene	0.41	1.4	ND	ND	ND	ND
sec-butylbenzene	0.3	0.99	ND	ND	ND	ND
styrene	0.26	0.87	ND	ND	ND	ND
t-butylbenzene	0.2	0.68	ND	ND	ND	ND
tetrachloroethylene	0.26	0.86	ND	ND	ND	ND
toluene	0.46	1.5	ND	ND	ND	ND
trans-1,2-dichloroethene	0.23	0.77	ND	ND	ND	ND
trans-1,3-dichloropropene	0.21	0.71	ND	ND	ND	ND
trichloroethylene	0.25	0.83	ND	ND	ND	ND
trichlorofluoromethane	0.17	0.57	ND	ND	ND	ND
vinyl chloride	0.34	1.1	ND	ND	ND	ND

ND = Not detected

		OWNER:	RICHARD HUSET	NANCY NEFF	HOLLY GOSS	CHRIS BERTSCH
		SAMPLING DATE (YYMMDD):	190625	190625	190625	190625
		LAB SAMPLE NUMBER:	O-190029	O-190030	O-190031	O-190032
	LOD	LOQ				
CHEMICAL	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-tetrachloroethane	0.34	1.1	ND	ND	ND	ND
1,1,1-trichloroethane	0.31	1	ND	ND	ND	2.8
1,1,2,2-tetrachloroethane	0.21	0.76	ND	ND	ND	ND
1,1,2-trichloroethane	0.4	1.3	ND	ND	ND	1.7
1,1-dichloroethane	0.29	0.95	1.2	ND	ND	37
1,1-dichloroethene	0.22	0.74	ND	ND	ND	0.90
1,1-dichloropropene	0.14	0.48	ND	ND	ND	ND
1,2,3-trichlorobenzene	0.33	1.1	ND	ND	ND	ND
1,2,3-trichloropropane	0.37	1.2	ND	ND	ND	ND
1,2,4-trichlorobenzene	0.3	0.99	ND	ND	ND	ND
1,2,4-trimethylbenzene	0.44	1.5	ND	ND	ND	ND
1,2-dibromo-3-chloropropane	0.41	1.4	ND	ND	ND	ND
1,2-dibromoethane	0.3	0.99	ND	ND	ND	ND
1,2-dichlorobenzene	0.26	0.87	ND	ND	ND	ND
1,2-dichloroethane	0.2	0.68	ND	ND	ND	2.8
1,2-dichloropropane	0.26	0.86	ND	ND	ND	1.1
1,3,5-trimethylbenzene	0.46	1.5	ND	ND	ND	ND
1,3-dichlorobenzene	0.23	0.77	ND	ND	ND	ND
1,3-dichloropropane	0.21	0.71	ND	ND	ND	ND
1,4-dichlorobenzene	0.25	0.83	ND	ND	ND	ND
2,2-dichloropropane	0.17	0.57	ND	ND	ND	ND
2-chlorotoluene	0.34	1.1	ND	ND	ND	ND
4-chlorotoluene	0.37	1.3	ND	ND	ND	ND
benzene	0.26	0.87	ND	ND	ND	ND
bromobenzene	0.2	0.68	ND	ND	ND	ND
bromochloromethane	0.34	1.1	ND	ND	ND	ND
bromodichloromethane	0.28	0.93	ND	ND	ND	ND
bromoform	0.36	1.2	ND	ND	ND	ND
bromomethane	0.16	0.53	ND	ND	ND	ND
carbon tetrachloride	0.33	1.1	ND	ND	ND	0.33
chlorobenzene	0.23	0.78	ND	ND	ND	ND
chloroethane	0.13	0.44	ND	ND	ND	0.64
chloroform	0.5	1.7	ND	ND	0.87	ND
chloromethane	0.27	0.91	ND	ND	ND	ND
cis-1,2-dichloroethene	0.18	0.59	0.62	ND	ND	13
cis-1,3-dichloropropene	0.14	0.48	ND	ND	ND	ND
dibromochloromethane	0.41	1.4	ND	ND	ND	ND
dibromomethane	0.34	1.1	ND	ND	ND	ND
dichlorodifluoromethane	0.31	1	ND	ND	ND	2.3
ethylbenzene	0.21	0.76	ND	ND	ND	ND
hexachlorobutadiene	0.4	1.3	ND	ND	ND	ND
isopropylbenzene	0.29	0.95	ND	ND	ND	ND
m,p-xylene	0.22	0.74	ND	ND	ND	ND
methylene chloride	0.14	0.48	ND	ND	ND	0.90
naphthalene	0.33	1.1	ND	ND	ND	ND
n-butylbenzene	0.37	1.2	ND	ND	ND	ND
o-xylene	0.3	0.99	ND	ND	ND	ND
para-isopropyltoluene	0.44	1.5	ND	ND	ND	ND
propylbenzene	0.41	1.4	ND	ND	ND	ND
sec-butylbenzene	0.3	0.99	ND	ND	ND	ND
styrene	0.26	0.87	ND	ND	ND	ND
t-butylbenzene	0.2	0.68	ND	ND	ND	ND
tetrachloroethylene	0.26	0.86	ND	ND	ND	ND
toluene	0.46	1.5	ND	ND	ND	ND
trans-1,2-dichloroethene	0.23	0.77	ND	ND	ND	ND
trans-1,3-dichloropropene	0.21	0.71	ND	ND	ND	ND
trichloroethylene	0.25	0.83	ND	ND	ND	1.5
trichlorofluoromethane	0.17	0.57	ND	ND	ND	ND
vinyl chloride	0.34	1.1	ND	ND	ND	ND

ND = Not detected

		OWNER:	TRIP BLANK	TRIP BLANK
		SAMPLING DATE (YYMMDD):	190624	190625
		LAB SAMPLE NUMBER:	TB190624	TB190625
	LOD	LOQ		
CHEMICAL	ug/L	ug/L	ug/L	ug/L
1,1,1,2-tetrachloroethane	0.34	1.1	ND	ND
1,1,1-trichloroethane	0.31	1	ND	ND
1,1,2,2-tetrachloroethane	0.21	0.76	ND	ND
1,1,2-trichloroethane	0.4	1.3	ND	ND
1,1-dichloroethane	0.29	0.95	ND	ND
1,1-dichloroethene	0.22	0.74	ND	ND
1,1-dichloropropene	0.14	0.48	ND	ND
1,2,3-trichlorobenzene	0.33	1.1	ND	ND
1,2,3-trichloropropane	0.37	1.2	ND	ND
1,2,4-trichlorobenzene	0.3	0.99	ND	ND
1,2,4-trimethylbenzene	0.44	1.5	ND	ND
1,2-dibromo-3-chloropropane	0.41	1.4	ND	ND
1,2-dibromoethane	0.3	0.99	ND	ND
1,2-dichlorobenzene	0.26	0.87	ND	ND
1,2-dichloroethane	0.2	0.68	ND	ND
1,2-dichloropropane	0.26	0.86	ND	ND
1,3,5-trimethylbenzene	0.46	1.5	ND	ND
1,3-dichlorobenzene	0.23	0.77	ND	ND
1,3-dichloropropane	0.21	0.71	ND	ND
1,4-dichlorobenzene	0.25	0.83	ND	ND
2,2-dichloropropane	0.17	0.57	ND	ND
2-chlorotoluene	0.34	1.1	ND	ND
4-chlorotoluene	0.37	1.3	ND	ND
benzene	0.26	0.87	ND	ND
bromobenzene	0.2	0.68	ND	ND
bromochloromethane	0.34	1.1	ND	ND
bromodichloromethane	0.28	0.93	ND	ND
bromoform	0.36	1.2	ND	ND
bromomethane	0.16	0.53	ND	ND
carbon tetrachloride	0.33	1.1	ND	ND
chlorobenzene	0.23	0.78	ND	ND
chloroethane	0.13	0.44	ND	ND
chloroform	0.5	1.7	ND	ND
chloromethane	0.27	0.91	ND	ND
cis-1,2-dichloroethene	0.18	0.59	ND	ND
cis-1,3-dichloropropene	0.14	0.48	ND	ND
dibromochloromethane	0.41	1.4	ND	ND
dibromomethane	0.34	1.1	ND	ND
dichlorodifluoromethane	0.31	1	ND	ND
ethylbenzene	0.21	0.76	ND	ND
hexachlorobutadiene	0.4	1.3	ND	ND
isopropylbenzene	0.29	0.95	ND	ND
m,p-xylene	0.22	0.74	0.40	ND
methylene chloride	0.14	0.48	ND	ND
naphthalene	0.33	1.1	ND	ND
n-butylbenzene	0.37	1.2	ND	ND
o-xylene	0.3	0.99	ND	ND
para-isopropyltoluene	0.44	1.5	0.68	ND
propylbenzene	0.41	1.4	ND	ND
sec-butylbenzene	0.3	0.99	ND	ND
styrene	0.26	0.87	ND	ND
t-butylbenzene	0.2	0.68	ND	ND
tetrachloroethylene	0.26	0.86	ND	ND
toluene	0.46	1.5	ND	ND
trans-1,2-dichloroethene	0.23	0.77	ND	ND
trans-1,3-dichloropropene	0.21	0.71	ND	ND
trichloroethylene	0.25	0.83	ND	ND
trichlorofluoromethane	0.17	0.57	ND	ND
vinyl chloride	0.34	1.1	0.29	ND

ND = Not detected