

## Thompson, Matthew A - DNR

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**From:** Schultz, Karl <Karl.Schultz@tetrattech.com>  
**Sent:** Tuesday, December 18, 2018 1:39 PM  
**To:** Thompson, Matthew A - DNR  
**Cc:** Faryan, Steve  
**Subject:** Unity GW Site - 2018 Figures and Summary Tables  
**Attachments:** Fig1-ResidentialWellSampleResults\_2018.pdf; Fig2-MonitoringWellSampleResults\_2018.pdf; UnityGW\_2018\_SummaryTables.xlsx

Hi Matt,

The Unity GW Site Figures and Tables for 2018 are attached. I am still putting together the 2016-2018 comparison table, should finish it at some point today. I'll send that over when it's complete.

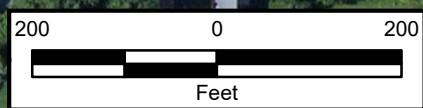
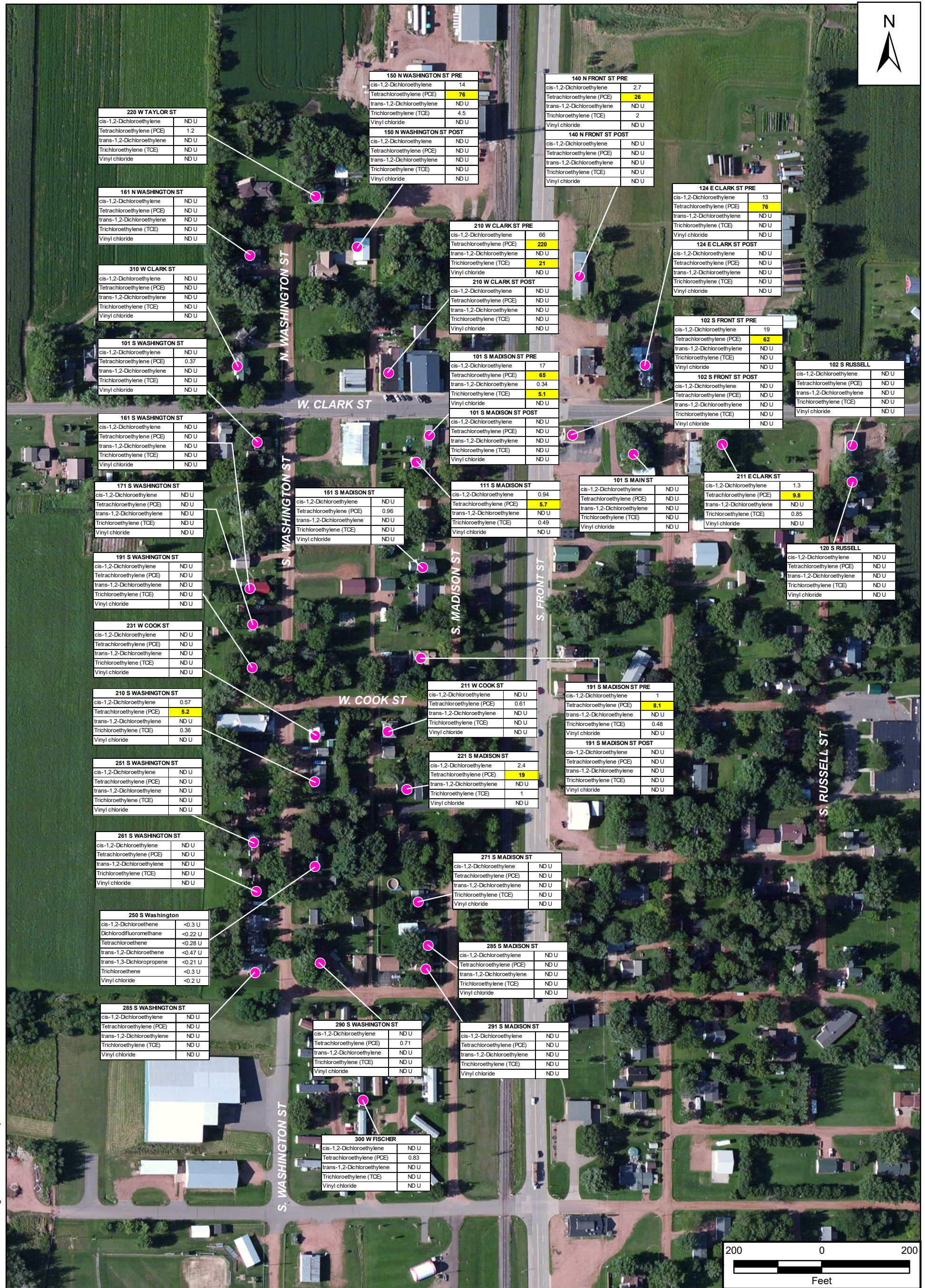
Thank you,

Karl

**Karl Schultz | Environmental Scientist**

Tetra Tech | EMI Division | [www.tetrattech.com](http://www.tetrattech.com)  
1 S. Wacker Drive, 37<sup>th</sup> Floor | Chicago, Illinois 60606  
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**Legend**

**19** Yellow highlight indicates an analytical result that exceeds the action criteria

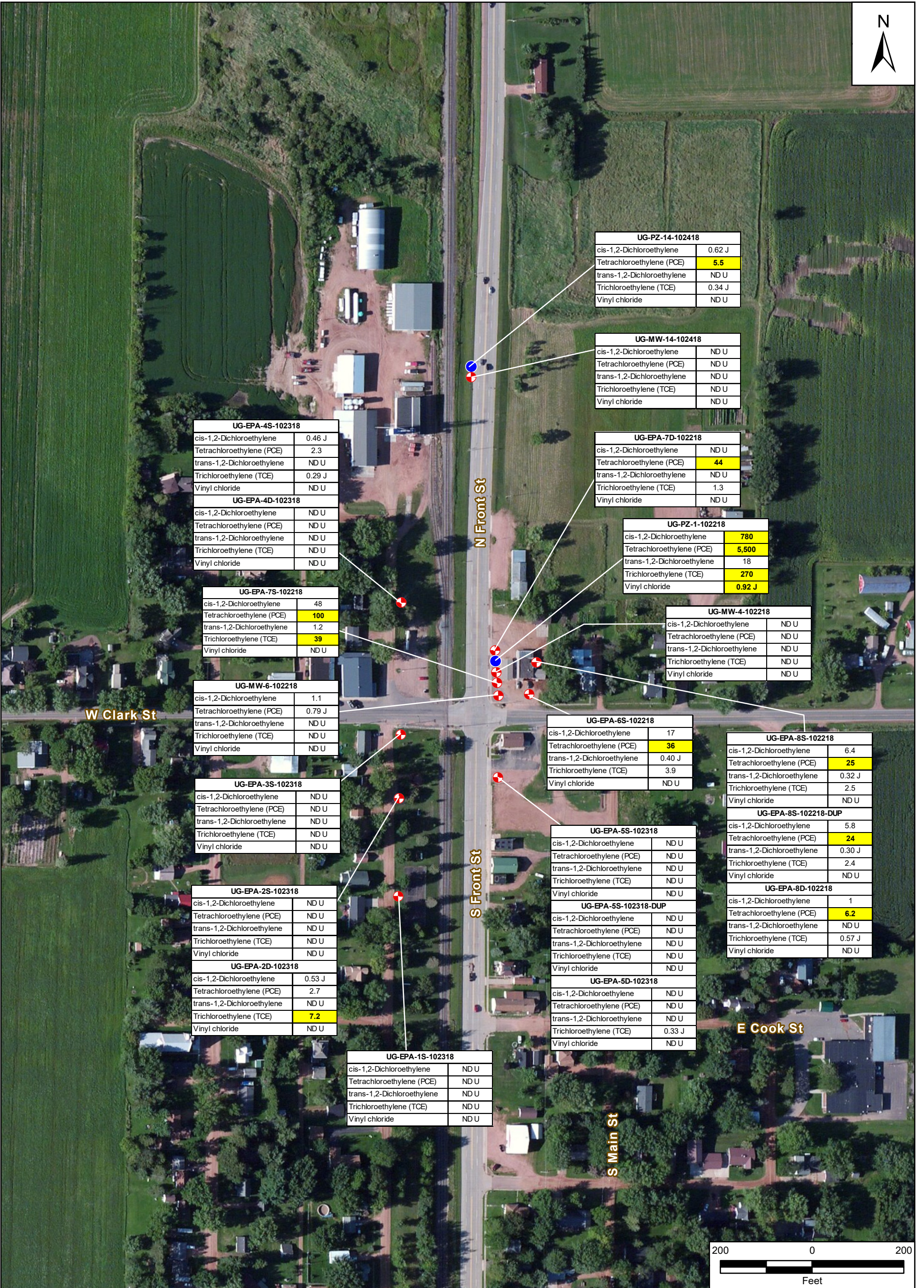
Results are in units of micrograms per liter (µg/L)  
 DUP = Duplicate  
 J = The analyte was positively identified. The associated value is an approximate concentration.  
 U = The analyte was not detected above the laboratory reporting limit.  
 ND = Non-detect

Unity Auto Mart  
 102 N. Front Street  
 Unity, Clark County, Wisconsin

**Figure 1**  
**Residential Well Sample Results**  
**October 2018**



Prepared For: US EPA      Prepared By: Tetra Tech



UG-EPA-4S-102318	
cis-1,2-Dichloroethylene	0.46 J
Tetrachloroethylene (PCE)	2.3
trans-1,2-Dichloroethylene	ND U
Trichloroethylene (TCE)	0.29 J
Vinyl chloride	ND U
UG-EPA-4D-102318	
cis-1,2-Dichloroethylene	ND U
Tetrachloroethylene (PCE)	ND U
trans-1,2-Dichloroethylene	ND U
Trichloroethylene (TCE)	ND U
Vinyl chloride	ND U

UG-EPA-7S-102318	
cis-1,2-Dichloroethylene	48
Tetrachloroethylene (PCE)	100
trans-1,2-Dichloroethylene	1.2
Trichloroethylene (TCE)	39
Vinyl chloride	ND U

UG-MW-6-102218	
cis-1,2-Dichloroethylene	1.1
Tetrachloroethylene (PCE)	0.79 J
trans-1,2-Dichloroethylene	ND U
Trichloroethylene (TCE)	ND U
Vinyl chloride	ND U

UG-EPA-3S-102318	
cis-1,2-Dichloroethylene	ND U
Tetrachloroethylene (PCE)	ND U
trans-1,2-Dichloroethylene	ND U
Trichloroethylene (TCE)	ND U
Vinyl chloride	ND U

UG-EPA-2S-102318	
cis-1,2-Dichloroethylene	ND U
Tetrachloroethylene (PCE)	ND U
trans-1,2-Dichloroethylene	ND U
Trichloroethylene (TCE)	ND U
Vinyl chloride	ND U

UG-EPA-2D-102318	
cis-1,2-Dichloroethylene	0.53 J
Tetrachloroethylene (PCE)	2.7
trans-1,2-Dichloroethylene	ND U
Trichloroethylene (TCE)	7.2
Vinyl chloride	ND U

UG-EPA-1S-102318	
cis-1,2-Dichloroethylene	ND U
Tetrachloroethylene (PCE)	ND U
trans-1,2-Dichloroethylene	ND U
Trichloroethylene (TCE)	ND U
Vinyl chloride	ND U

UG-PZ-14-102418	
cis-1,2-Dichloroethylene	0.62 J
Tetrachloroethylene (PCE)	5.5
trans-1,2-Dichloroethylene	ND U
Trichloroethylene (TCE)	0.34 J
Vinyl chloride	ND U

UG-MW-14-102418	
cis-1,2-Dichloroethylene	ND U
Tetrachloroethylene (PCE)	ND U
trans-1,2-Dichloroethylene	ND U
Trichloroethylene (TCE)	ND U
Vinyl chloride	ND U

UG-EPA-7D-102218	
cis-1,2-Dichloroethylene	ND U
Tetrachloroethylene (PCE)	44
trans-1,2-Dichloroethylene	ND U
Trichloroethylene (TCE)	1.3
Vinyl chloride	ND U

UG-PZ-1-102218	
cis-1,2-Dichloroethylene	780
Tetrachloroethylene (PCE)	5,500
trans-1,2-Dichloroethylene	18
Trichloroethylene (TCE)	270
Vinyl chloride	0.92 J

UG-MW-4-102218	
cis-1,2-Dichloroethylene	ND U
Tetrachloroethylene (PCE)	ND U
trans-1,2-Dichloroethylene	ND U
Trichloroethylene (TCE)	ND U
Vinyl chloride	ND U

UG-EPA-6S-102218	
cis-1,2-Dichloroethylene	17
Tetrachloroethylene (PCE)	36
trans-1,2-Dichloroethylene	0.40 J
Trichloroethylene (TCE)	3.9
Vinyl chloride	ND U

UG-EPA-8S-102218	
cis-1,2-Dichloroethylene	6.4
Tetrachloroethylene (PCE)	25
trans-1,2-Dichloroethylene	0.32 J
Trichloroethylene (TCE)	2.5
Vinyl chloride	ND U

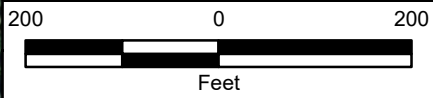
UG-EPA-5S-102318	
cis-1,2-Dichloroethylene	ND U
Tetrachloroethylene (PCE)	ND U
trans-1,2-Dichloroethylene	ND U
Trichloroethylene (TCE)	ND U
Vinyl chloride	ND U

UG-EPA-8S-102218-DUP	
cis-1,2-Dichloroethylene	5.8
Tetrachloroethylene (PCE)	24
trans-1,2-Dichloroethylene	0.30 J
Trichloroethylene (TCE)	2.4
Vinyl chloride	ND U

UG-EPA-5S-102318-DUP	
cis-1,2-Dichloroethylene	ND U
Tetrachloroethylene (PCE)	ND U
trans-1,2-Dichloroethylene	ND U
Trichloroethylene (TCE)	ND U
Vinyl chloride	ND U

UG-EPA-8D-102218	
cis-1,2-Dichloroethylene	1
Tetrachloroethylene (PCE)	6.2
trans-1,2-Dichloroethylene	ND U
Trichloroethylene (TCE)	0.57 J
Vinyl chloride	ND U

UG-EPA-5D-102318	
cis-1,2-Dichloroethylene	ND U
Tetrachloroethylene (PCE)	ND U
trans-1,2-Dichloroethylene	ND U
Trichloroethylene (TCE)	0.33 J
Vinyl chloride	ND U



**Legend**

- Monitoring Well Location
- Piezometer Location

**7.2** Yellow highlight indicates an analytical result that exceeds the action criteria

Results are in units of micrograms per liter (µg/L)  
 DUP = Duplicate  
 J = The analyte was positively identified. The associated value is an approximate concentration.  
 U = The analyte was not detected above the laboratory reporting limit.  
 ND = Non-detect

Unity Auto Mart  
 102 N. Front Street  
 Unity, Clark County, Wisconsin

**Figure 2**  
**Monitoring Well and Piezometer**  
**Sample Results**

Prepared For: US EPA      Prepared By: Tetra Tech

**Table X.  
Groundwater VOC Results  
Unity Groundwater Removal Site  
NEED LOCATION**

Analyte <sup>1</sup>	Action Criteria ((µg/L) <sup>2</sup>	Sample Date: 10/22/2018	Sample Date: 10/22/2018	Sample Date: 10/22/2018	Sample Date: 10/22/2018
		Sample Name: UG-EPA-8S-102218	Sample Name: UG-EPA-8S-102218-DUP	Sample Name: UG-EPA-8D-102218	Sample Name: UG-EPA-6S-102218
cis-1,2-Dichloroethylene	70	6.4	5.8	1.0	17
Tetrachloroethylene (PCE)	5	25	24	6.2	36
trans-1,2-Dichloroethylene	100	0.32 J	0.30 J	ND U	0.40 J
Trichloroethylene (TCE)	5	2.5	2.4	0.57 J	3.9
Vinyl chloride	0.2	ND U	ND U	ND U	ND U
Analyte	Action Criteria ((µg/L)	Sample Date: 10/22/2018	Sample Date: 10/22/2018	Sample Date: 10/22/2018	Sample Date: 10/22/2018
		Sample Name: UG-MW-6-102218	Sample Name: UG-EPA-7S-102218	Sample Name: UG-PZ-1-102218	Sample Name: UG-MW-4-102218
cis-1,2-Dichloroethylene	70	1.1	48	780	ND U
Tetrachloroethylene (PCE)	5	0.79 J	100	5,500	ND U
trans-1,2-Dichloroethylene	100	ND U	1.2	18	ND U
Trichloroethylene (TCE)	5	ND U	39	270	ND U
Vinyl chloride	0.2	ND U	ND U	0.92 J	ND U
Analyte	Action Criteria ((µg/L)	Sample Date: 10/22/2018	Sample Date: 10/22/2018	Sample Date: 10/23/2018	Sample Date: 10/23/2018
		Sample Name: UG-EPA-7D-102218	Sample Name: UG-EPA-5D-102218	Sample Name: UG-EPA-5S-102318	Sample Name: UG-EPA-5S-102318-DUP
cis-1,2-Dichloroethylene	70	ND U	ND U	ND U	ND U
Tetrachloroethylene (PCE)	5	44	ND U	ND U	ND U
trans-1,2-Dichloroethylene	100	ND U	ND U	ND U	ND U
Trichloroethylene (TCE)	5	1.3	0.33 J	ND U	ND U
Vinyl chloride	0.2	ND U	ND U	ND U	ND U
Analyte	Action Criteria ((µg/L)	Sample Date: 10/23/2018	Sample Date: 10/23/2018	Sample Date: 10/23/2018	Sample Date: 10/23/2018
		Sample Name: UG-EPA-1S-102318	Sample Name: UG-EPA-2D-102318	Sample Name: UG-EPA-2S-102318	Sample Name: UG-EPA-3S-102318
cis-1,2-Dichloroethylene	70	ND U	0.53 J	ND U	ND U
Tetrachloroethylene (PCE)	5	ND U	2.7	ND U	ND U
trans-1,2-Dichloroethylene	100	ND U	ND U	ND U	ND U
Trichloroethylene (TCE)	5	ND U	7.2	ND U	ND U
Vinyl chloride	0.2	ND U	ND U	ND U	ND U
Analyte	Action Criteria ((µg/L)	Sample Date: 10/23/2018	Sample Date: 10/23/2018	Sample Date: 10/24/2018	Sample Date: 10/24/2018
		Sample Name: UG-EPA-4D-102318	Sample Name: UG-EPA-4S-102318	Sample Name: UG-PZ-14-102418	Sample Name: UG-MW-14-102418
cis-1,2-Dichloroethylene	70	ND U	0.46 J	0.62 J	ND U
Tetrachloroethylene (PCE)	5	ND U	2.3	5.5	ND U
trans-1,2-Dichloroethylene	100	ND U	ND U	ND U	ND U
Trichloroethylene (TCE)	5	ND U	0.29 J	0.34 J	ND U
Vinyl chloride	0.2	ND U	ND U	ND U	ND U
Analyte	Action Criteria ((µg/L)	Sample Date: 10/22/18			
		Sample Name: TRIP BLANK			
cis-1,2-Dichloroethylene	70	ND U			
Tetrachloroethylene (PCE)	5	ND U			
trans-1,2-Dichloroethylene	100	ND U			
Trichloroethylene (TCE)	5	ND U			
Vinyl chloride	0.2	Not Analyzed			

**Notes:**

<sup>1</sup>Yellow highlight indicates an analytical result that exceeds the action criteria.

<sup>2</sup>The action criteria for the detected analytical parameters is based on the State of Wisconsin NR 140 Public Health Enforcement Standard, dated May 2017.

- DUP Duplicate
- J Qualifier Estimated value
- ND Non-detect
- µg/L micrograms/liter
- U Qualifier Analyte concentration was below detection limit.

**Table X.  
Drinking Water VOC Results  
Unity Groundwater Removal Site  
NEED LOCATION**

Analyte <sup>1</sup>	Action Criteria ((µg/L) <sup>2</sup>	Sample Date: 10/22/18	Sample Date: 10/22/18	Sample Date: 10/22/18	Sample Date: 10/22/18
		Sample Name: 102 S FRONT ST PRE	Sample Name: 102 S FRONT ST POST	Sample Name: 120 S RUSSELL	Sample Name: 101 S MAIN ST
cis-1,2-Dichloroethylene	70	19	ND U	ND U	ND U
Tetrachloroethylene (PCE)	5	62	ND U	ND U	ND U
trans-1,2-Dichloroethylene	100	ND U	ND U	ND U	ND U
Trichloroethylene (TCE)	5	ND U	ND U	ND U	ND U
Vinyl chloride	0.2	ND U	ND U	ND U	ND U
Analyte	Action Criteria ((µg/L)	Sample Date: 10/22/18	Sample Date: 10/22/18	Sample Date: 10/22/18	Sample Date: 10/22/18
		Sample Name: 101 S MADISON ST PRE	Sample Name: 101 S MADISON ST POST	Sample Name: 191 S MADISON ST POST	Sample Name: 191 S MADISON ST PRE
cis-1,2-Dichloroethylene	70	17	ND U	ND U	1
Tetrachloroethylene (PCE)	5	65	ND U	ND U	8.1
trans-1,2-Dichloroethylene	100	0.34	ND U	ND U	ND U
Trichloroethylene (TCE)	5	5.1	ND U	ND U	0.48
Vinyl chloride	0.2	ND U	ND U	ND U	ND U
Analyte	Action Criteria ((µg/L)	Sample Date: 10/22/18	Sample Date: 10/22/18	Sample Date: 10/22/18	Sample Date: 10/22/18
		Sample Name: 191 S WASHINGTON	Sample Name: 161 S WASHINGTON	Sample Name: 220 W TAYLOR ST	Sample Name: 161 N WASHINGTON
cis-1,2-Dichloroethylene	70	ND U	ND U	ND U	ND U
Tetrachloroethylene (PCE)	5	ND U	ND U	1.2	ND U
trans-1,2-Dichloroethylene	100	ND U	ND U	ND U	ND U
Trichloroethylene (TCE)	5	ND U	ND U	ND U	ND U
Vinyl chloride	0.2	ND U	ND U	ND U	ND U
Analyte	Action Criteria ((µg/L)	Sample Date: 10/22/18	Sample Date: 10/22/18	Sample Date: 10/22/18	Sample Date: 10/22/18
		Sample Name: 310 W CLARK ST	Sample Name: 251 S WASHINGTON	Sample Name: 261 S WASHINGTON	Sample Name: 285 S WASHINGTON
cis-1,2-Dichloroethylene	70	ND U	ND U	ND U	ND U
Tetrachloroethylene (PCE)	5	ND U	ND U	ND U	ND U
trans-1,2-Dichloroethylene	100	ND U	ND U	ND U	ND U
Trichloroethylene (TCE)	5	ND U	ND U	ND U	ND U
Vinyl chloride	0.2	ND U	ND U	ND U	ND U
Analyte	Action Criteria ((µg/L)	Sample Date: 10/22/18	Sample Date: 10/22/18	Sample Date: 10/22/18	Sample Date: 10/22/18
		Sample Name: 171 S WASHINGTON	Sample Name: 210 W CLARK ST PRE	Sample Name: 210 W CLARK ST POST	Sample Name: 211 W COOK
cis-1,2-Dichloroethylene	70	ND U	66	ND U	ND U
Tetrachloroethylene (PCE)	5	ND U	220	ND U	0.61
trans-1,2-Dichloroethylene	100	ND U	ND U	ND U	ND U
Trichloroethylene (TCE)	5	ND U	21	ND U	ND U
Vinyl chloride	0.2	ND U	ND U	ND U	ND U
Analyte	Action Criteria ((µg/L)	Sample Date: 10/22/18	Sample Date: 10/22/18	Sample Date: 10/22/18	Sample Date: 10/22/18
		Sample Name: 151 S MADISON ST	Sample Name: 231 W COOK	Sample Name: 111 S MADISON ST	Sample Name: 102 S RUSSELL
cis-1,2-Dichloroethylene	70	ND U	ND U	0.94	ND U
Tetrachloroethylene (PCE)	5	0.96	ND U	5.7	ND U
trans-1,2-Dichloroethylene	100	ND U	ND U	ND U	ND U
Trichloroethylene (TCE)	5	ND U	ND U	0.49	ND U
Vinyl chloride	0.2	ND U	ND U	ND U	ND U
Analyte	Action Criteria ((µg/L)	Sample Date: 10/22/18	Sample Date: 10/22/18	Sample Date: 10/22/18	Sample Date: 10/23/18
		Sample Name: 221 S MADISON ST	Sample Name: 271 S MADISON ST	Sample Name: 291 S MADISON ST	Sample Name: 210 S WASHINGTON
cis-1,2-Dichloroethylene	70	2.4	ND U	ND U	0.57
Tetrachloroethylene (PCE)	5	19	ND U	ND U	5.2
trans-1,2-Dichloroethylene	100	ND U	ND U	ND U	ND U
Trichloroethylene (TCE)	5	1	ND U	ND U	0.36
Vinyl chloride	0.2	ND U	ND U	ND U	ND U
Analyte	Action Criteria ((µg/L)	Sample Date: 10/23/18	Sample Date: 10/23/18	Sample Date: 10/23/18	Sample Date: 10/23/18
		Sample Name: 285 S MADISON ST	Sample Name: 140 N FRONT ST POST	Sample Name: 140 N FRONT ST PRE	Sample Name: 211 E CLARK
cis-1,2-Dichloroethylene	70	ND U	ND U	2.7	1.3
Tetrachloroethylene (PCE)	5	ND U	ND U	26	9.8
trans-1,2-Dichloroethylene	100	ND U	ND U	ND U	ND U
Trichloroethylene (TCE)	5	ND U	ND U	2	0.85
Vinyl chloride	0.2	ND U	ND U	ND U	ND U

**Table X.  
Drinking Water VOC Results  
Unity Groundwater Removal Site  
NEED LOCATION**

Analyte	Action Criteria ((µg/L)	Sample Date: 10/23/18	Sample Date: 10/23/18	Sample Date: 10/23/18	Sample Date: 10/23/18
		Sample Name: 101 S WASHINGTON	Sample Name: 300 W FISCHER	Sample Name: 124 E CLARK ST PRE	Sample Name: 124 E CLARK ST POST
cis-1,2-Dichloroethylene	70	ND U	ND U	13	ND U
Tetrachloroethylene (PCE)	5	0.37	0.83	76	ND U
trans-1,2-Dichloroethylene	100	ND U	ND U	ND U	ND U
Trichloroethylene (TCE)	5	ND U	ND U	ND U	ND U
Vinyl chloride	0.2	ND U	ND U	ND U	ND U
Analyte	Action Criteria ((µg/L)	Sample Date: 10/23/18	Sample Date: 10/23/18	Sample Date: 10/22/18	Sample Date: 10/25/18
		Sample Name: 150 N WASHINGTON ST PRE	Sample Name: 150 N WASHINGTON ST POST	Sample Name: TRIP BLANK	Sample Name: 290 S. WASHINGTON
cis-1,2-Dichloroethylene	70	14	ND U	ND U	ND U
Tetrachloroethylene (PCE)	5	76	ND U	ND U	0.71
trans-1,2-Dichloroethylene	100	ND U	ND U	ND U	ND U
Trichloroethylene (TCE)	5	4.5	ND U	ND U	ND U
Vinyl chloride	0.2	ND U	ND U	0.23	ND U
Analyte	Action Criteria ((µg/L)	Sample Date: 10/25/18			
		Sample Name: TRIP BLANK			
cis-1,2-Dichloroethylene	70	ND U			
Tetrachloroethylene (PCE)	5	ND U			
trans-1,2-Dichloroethylene	100	ND U			
Trichloroethylene (TCE)	5	ND U			
Vinyl chloride	0.2	0.25 J			

**Notes:**

<sup>1</sup>Yellow highlight indicates an analytical result that exceeds the action criteria.

<sup>2</sup>The action criteria for the detected analytical parameters is based on the State of Wisconsin NR 140 Public Health Enforcement Standard, dated May 2017.

DUP	Duplicate
J Qualifier	Estimated value
ND	Non-detect
µg/L	micrograms/liter
U Qualifier	Analyte concentration was below detection limit.

**Wisconsin Department of Natural Resources  
Laboratory Report**

12/26/2018

Lab: 113133790

Sample: 422665002

Page 1 of 3

**Laboratory:** Wisconsin State Laboratory of Hygiene  
 PO Box 7996  
 Madison WI 53718  
 Phone : 608-224-6203 Fax Phone : 608-224-6213

DNR ID 113133790

**Sample:**

Field #: <b>POST TREATMENT</b>	Sample #: <b>422665002</b>
Collection Start: <b>12/03/2018 02:45 pm</b>	Collection End: <b>12/03/2018 02:45 pm</b>
Collected by: <b>MATTHEW A THOMPSON</b>	Waterbody/Outfall Id:
ID #:	ID Point #:
County: <b>Clark</b>	Account #: <b>RR052</b>
Sample Location: <b>131 N FRONT ST, UNITY, WI</b>	
Sample Description: <b>POST TREATMENT</b>	
Sample Source: <b>Private (other)</b>	Sample Depth:
Date Reported: <b>12/21/2018</b>	Sample Status: <b>COMPLETE</b>
Project No:	Sample Reason:
Comment: <b>Sample not collected in a SLH container.</b>	

**Analyses and Results:**

Analysis Method	Analysis Date	Lab Comment
<b>EPA 524.2 VOCs in Water</b>	<b>12/13/2018</b>	
<i>Code Description</i>	<i>Result</i>	<i>Units LOD Report Limit LOQ</i>
<b>77562 1,1,1,2-TETRACHLOROETHANE</b>	<b>ND</b>	<b>ug/L 0.50 1.7</b>
<b>34506 1,1,1-TRICHLOROETHANE</b>	<b>ND</b>	<b>ug/L 0.27 0.90</b>
<b>34516 1,1,2,2-TETRACHLOROETHANE</b>	<b>ND</b>	<b>ug/L 0.30 1.0</b>
<b>34511 1,1,2-TRICHLOROETHANE</b>	<b>ND</b>	<b>ug/L 0.40 1.3</b>
<b>34496 1,1-DICHLOROETHANE</b>	<b>ND</b>	<b>ug/L 0.31 1.0</b>
<b>34501 1,1-DICHLOROETHYLENE</b>	<b>ND</b>	<b>ug/L 0.23 0.77</b>
<b>77168 1,1-DICHLOROPROPENE</b>	<b>ND</b>	<b>ug/L 0.25 0.83</b>
<b>77613 1,2,3-TRICHLOROBENZENE</b>	<b>ND</b>	<b>ug/L 0.19 0.63</b>
<b>77443 1,2,3-TRICHLOROPROPANE</b>	<b>ND</b>	<b>ug/L 0.34 1.1</b>
<b>34551 1,2,4-TRICHLOROBENZENE</b>	<b>ND</b>	<b>ug/L 0.30 1.0</b>
<b>77222 1,2,4-TRIMETHYLBENZENE</b>	<b>ND</b>	<b>ug/L 0.20 0.67</b>
<b>34536 1,2-DICHLOROBENZENE</b>	<b>ND</b>	<b>ug/L 0.40 1.3</b>
<b>34531 1,2-DICHLOROETHANE</b>	<b>ND</b>	<b>ug/L 0.30 1.0</b>
<b>77093 1,2-DICHLOROETHYLENE CIS</b>	<b>ND</b>	<b>ug/L 0.17 0.57</b>
<b>34546 1,2-DICHLOROETHYLENE TRANS</b>	<b>ND</b>	<b>ug/L 0.24 0.80</b>
<b>34541 1,2-DICHLOROPROPANE</b>	<b>ND</b>	<b>ug/L 0.40 1.3</b>
<b>77226 1,3,5-TRIMETHYLBENZENE</b>	<b>ND</b>	<b>ug/L 0.14 0.47</b>
<b>34566 1,3-DICHLOROBENZENE</b>	<b>ND</b>	<b>ug/L 0.15 0.50</b>

**Wisconsin Department of Natural Resources  
Laboratory Report**

12/26/2018

Lab: 113133790

Sample: 422665002

Page 2 of 3

<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
77173	1,3-DICHLOROPROPANE	ND	ug/L	0.30		1.0
34704	1,3-DICHLOROPROPENE-CIS	ND	ug/L	0.40		1.3
34699	1,3-DICHLOROPROPENE-TRANS	ND	ug/L	0.30		1.0
34571	1,4-DICHLOROBENZENE	ND	ug/L	0.22		0.73
77170	2,2-DICHLOROPROPANE	ND	ug/L	0.55		1.8
77275	2-CHLOROTOLUENE	ND	ug/L	0.19		0.63
34030	BENZENE	ND	ug/L	0.18		0.60
81555	BROMOBENZENE	ND	ug/L	0.39		1.3
77297	BROMOCHLOROMETHANE	ND	ug/L	1.0		3.3
32101	BROMODICHLOROMETHANE	ND	ug/L	0.40		1.3
32104	BROMOFORM	ND	ug/L	0.50		1.7
34413	BROMOMETHANE	ND	ug/L	0.53		1.8
77350	BUTYLBENZENE SEC	ND	ug/L	0.11		0.37
77353	BUTYLBENZENE TERT	ND	ug/L	0.17		0.57
77041	CARBON DISULFIDE	ND	ug/L	0.30		1.0
32102	CARBON TETRACHLORIDE	ND	ug/L	0.37		1.2
34301	CHLOROBENZENE	ND	ug/L	0.17		0.57
34311	CHLOROETHANE	ND	ug/L	0.45		1.5
32106	CHLOROFORM	ND	ug/L	0.27		0.90
34418	CHLOROMETHANE	ND	ug/L	0.39		1.3
	<i>Comment: Compound detected in trip blank.</i>					
32105	DIBROMOCHLOROMETHANE	ND	ug/L	0.40		1.3
77596	DIBROMOMETHANE	ND	ug/L	0.40		1.3
34668	DICHLORODIFLUOROMETHANE	ND	ug/L	0.40		1.3
81577	DIISOPROPYL ETHER	ND	ug/L	0.39		1.3
34371	ETHYLBENZENE	ND	ug/L	0.13		0.43
34391	HEXACHLOROBUTADIENE	ND	ug/L	0.52		1.7
81590	HEXANE, MIXTURE OF ISOMERS	ND	ug/L	0.82		2.7
77223	ISOPROPYLBENZENE	ND	ug/L	0.20		0.67
85795	M/P-XYLENE	ND	ug/L	0.31		1.0
81595	METHYL ETHYL KETONE	ND	ug/L	3.8		13
78133	METHYL ISOBUTYL KETONE (MIBK)	ND	ug/L	4.1		14



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Lab: 113133790

Sample: 422665002

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<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
78032	METHYL TERT BUTYL ETHER	ND	ug/L	0.19		0.63
34423	METHYLENE CHLORIDE	ND	ug/L	0.32		1.1
77342	N-BUTYLBENZENE	ND	ug/L	0.15		0.50
77224	N-PROPYLBENZENE	ND	ug/L	0.10		0.33
34696	NAPHTHALENE	ND	ug/L	0.30		1.0
77135	O-XYLENE	ND	ug/L	0.40		1.3
77277	P-CHLOROTOLUENE	ND	ug/L	0.20		0.67
77356	P-ISOPROPYLTOLUENE	ND	ug/L	0.063		0.21
77128	STYRENE	ND	ug/L	0.30		1.0
34475	TETRACHLOROETHYLENE	ND	ug/L	0.27		0.90
81607	TETRAHYDROFURAN	ND	ug/L	4.8		16
34010	TOLUENE	ND	ug/L	0.14		0.47
39180	TRICHLOROETHYLENE	ND	ug/L	0.18		0.60
34488	TRICHLOROFLUOROMETHANE	ND	ug/L	0.28		0.93
81611	TRICHLOROTRIFLUOROETHA NE	ND	ug/L	0.40		1.3
39175	VINYL CHLORIDE	ND	ug/L	0.20		0.67

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Sample: 422665001

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
PO Box 7996  
Madison WI 53718  
Phone : 608-224-6203 Fax Phone : 608-224-6213

DNR ID 113133790

**Sample:**

Field #:	PRE TREATMENT	Sample #:	422665001
Collection Start:	12/03/2018 03:00 pm	Collection End:	12/03/2018 03:00 pm
Collected by:	MATTHEW A THOMPSON	Waterbody/Outfall Id:	
ID #:		ID Point #:	
County:	Clark	Account #:	RR052
Sample Location:	131 N FRONT ST, UNITY, WI		
Sample Description:	PRE TREATMENT		
Sample Source:	Private (other)	Sample Depth:	
Date Reported:	12/21/2018	Sample Status:	COMPLETE
Project No:		Sample Reason:	
Comment:	Sample not collected in a SLH container.		

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment			
EPA 524.2 VOCs in Water		12/13/2018				
Code	Description	Result	Units	LOD	Report Limit	LOQ
77562	1,1,1,2-TETRACHLOROETHANE	ND	ug/L	0.50		1.7
34506	1,1,1-TRICHLOROETHANE	ND	ug/L	0.27		0.90
34516	1,1,2,2-TETRACHLOROETHANE	ND	ug/L	0.30		1.0
34511	1,1,2-TRICHLOROETHANE	ND	ug/L	0.40		1.3
34496	1,1-DICHLOROETHANE	ND	ug/L	0.31		1.0
34501	1,1-DICHLOROETHYLENE	ND	ug/L	0.23		0.77
77168	1,1-DICHLOROPROPENE	ND	ug/L	0.25		0.83
77613	1,2,3-TRICHLOROBENZENE	ND	ug/L	0.19		0.63
77443	1,2,3-TRICHLOROPROPANE	ND	ug/L	0.34		1.1
34551	1,2,4-TRICHLOROBENZENE	ND	ug/L	0.30		1.0
77222	1,2,4-TRIMETHYLBENZENE	ND	ug/L	0.20		0.67
34536	1,2-DICHLOROBENZENE	ND	ug/L	0.40		1.3
34531	1,2-DICHLOROETHANE	ND	ug/L	0.30		1.0
34546	1,2-DICHLOROETHYLENE TRANS	1.2	ug/L	0.24		0.80
34541	1,2-DICHLOROPROPANE	ND	ug/L	0.40		1.3
77226	1,3,5-TRIMETHYLBENZENE	ND	ug/L	0.14		0.47
34566	1,3-DICHLOROBENZENE	ND	ug/L	0.15		0.50
77173	1,3-DICHLOROPROPANE	ND	ug/L	0.30		1.0

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<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
34704	1,3-DICHLOROPROPENE-CIS	ND	ug/L	0.40		1.3
34699	1,3-DICHLOROPROPENE-TRANS	ND	ug/L	0.30		1.0
34571	1,4-DICHLOROBENZENE	ND	ug/L	0.22		0.73
77170	2,2-DICHLOROPROPANE	ND	ug/L	0.55		1.8
77275	2-CHLOROTOLUENE	ND	ug/L	0.19		0.63
34030	BENZENE	ND	ug/L	0.18		0.60
81555	BROMOBENZENE	ND	ug/L	0.39		1.3
77297	BROMOCHLOROMETHANE	ND	ug/L	1.0		3.3
32101	BROMODICHLOROMETHANE	ND	ug/L	0.40		1.3
32104	BROMOFORM	ND	ug/L	0.50		1.7
34413	BROMOMETHANE	ND	ug/L	0.53		1.8
77350	BUTYLBENZENE SEC	ND	ug/L	0.11		0.37
77353	BUTYLBENZENE TERT	ND	ug/L	0.17		0.57
77041	CARBON DISULFIDE	ND	ug/L	0.30		1.0
32102	CARBON TETRACHLORIDE	ND	ug/L	0.37		1.2
34301	CHLOROBENZENE	ND	ug/L	0.17		0.57
34311	CHLOROETHANE	ND	ug/L	0.45		1.5
32106	CHLOROFORM	ND	ug/L	0.27		0.90
34418	CHLOROMETHANE	ND	ug/L	0.39		1.3
	<i>Comment: Compound detected in trip blank.</i>					
32105	DIBROMOCHLOROMETHANE	ND	ug/L	0.40		1.3
77596	DIBROMOMETHANE	ND	ug/L	0.40		1.3
34668	DICHLORODIFLUOROMETHANE	ND	ug/L	0.40		1.3
81577	DIISOPROPYL ETHER	ND	ug/L	0.39		1.3
34371	ETHYLBENZENE	ND	ug/L	0.13		0.43
34391	HEXACHLOROBUTADIENE	ND	ug/L	0.52		1.7
81590	HEXANE, MIXTURE OF ISOMERS	ND	ug/L	0.82		2.7
77223	ISOPROPYLBENZENE	ND	ug/L	0.20		0.67
85795	M/P-XYLENE	ND	ug/L	0.31		1.0
81595	METHYL ETHYL KETONE	ND	ug/L	3.8		13
78133	METHYL ISOBUTYL KETONE (MIBK)	ND	ug/L	4.1		14
78032	METHYL TERT BUTYL ETHER	ND	ug/L	0.19		0.63

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Sample: 422665001

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<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>34423</b>	<b>METHYLENE CHLORIDE</b>	<b>ND</b>	ug/L	0.32		1.1
<b>77342</b>	<b>N-BUTYLBENZENE</b>	<b>ND</b>	ug/L	0.15		0.50
<b>77224</b>	<b>N-PROPYLBENZENE</b>	<b>ND</b>	ug/L	0.10		0.33
<b>34696</b>	<b>NAPHTHALENE</b>	<b>ND</b>	ug/L	0.30		1.0
<b>77135</b>	<b>O-XYLENE</b>	<b>ND</b>	ug/L	0.40		1.3
<b>77277</b>	<b>P-CHLOROTOLUENE</b>	<b>ND</b>	ug/L	0.20		0.67
<b>77356</b>	<b>P-ISOPROPYLTOLUENE</b>	<b>ND</b>	ug/L	0.063		0.21
<b>77128</b>	<b>STYRENE</b>	<b>ND</b>	ug/L	0.30		1.0
<b>81607</b>	<b>TETRAHYDROFURAN</b>	<b>ND</b>	ug/L	4.8		16
<b>34010</b>	<b>TOLUENE</b>	<b>ND</b>	ug/L	0.14		0.47
<b>39180</b>	<b>TRICHLOROETHYLENE</b>	<b>18</b>	ug/L	0.18		0.60
<b>34488</b>	<b>TRICHLOROFLUOROMETHANE</b>	<b>ND</b>	ug/L	0.28		0.93
<b>81611</b>	<b>TRICHLOROTRIFLUOROETHA NE</b>	<b>ND</b>	ug/L	0.40		1.3
<b>39175</b>	<b>VINYL CHLORIDE</b>	<b>ND</b>	ug/L	0.20		0.67

<i>Analysis Method</i>	<i>Analysis Date</i>	<i>Lab Comment</i>
<b>EPA 524.2 VOCs in Water</b>	<b>12/13/2018</b>	

<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>77093</b>	<b>1,2-DICHLOROETHYLENE CIS</b>	<b>58</b>	ug/L	2.1		7.1
<b>34475</b>	<b>TETRACHLOROETHYLENE</b>	<b>240</b>	ug/L	3.4		11