



**CIVIL & ENVIRONMENTAL  
ENGINEERING, SURVEYING**

**October 26, 2017**

**Wisconsin Department of Natural Resources**

**Attn: Tom Hvizdak**

**473 Griffith Avenue**

**Wisconsin Rapids, WI 54494**



**Subject:**

**Additional Piezometer Installation  
Former Normington Cleaners  
821 Chestnut Street, Wisconsin Rapids, WI 54494  
BRRTS#02-72-257528**

**Dear Tom:**

This letter and attached information will summarize the results of additional piezometer installation, and piezometer and monitoring well replacement at the Former Normington Cleaners site. The site location is shown on Figure 1.

Additional piezometer (PZ9, PZ10 and PZ11) locations were determined based on the results of groundwater sampling in April 2016. All three (3) additional piezometers were installed on City of Wisconsin Rapids property on June 27, 2017 at the locations shown on Figure 2. The soil boring logs, well construction, and development forms are included in Attachment A. Soil cuttings were containerized in DOT approved drums and transported to the Lincoln County Landfill for disposal, documentation is included in Attachment B.

The new piezometers and monitoring well were developed and surveyed into the existing network on July 5, 2017. The entire monitoring network was also sampled. Development and purge water was containerized and disposed of at the Wausau Waterworks wastewater treatment plant. Documentation is included in Attachment B.

The results of groundwater sampling indicate that the contaminant plume appears to be defined to the northwest, but may require additional definition to the south and southwest. The groundwater analytical results are summarized on Tables 2a-2t. The approximate plume dimensions and groundwater contours are shown on Figure 2. Groundwater flow is consistent to the southwest, elevation data is shown on Table 3. Contaminant concentrations closer to the source have shown a general decreasing trend. A graphical representation of contaminant concentration vs. groundwater elevation and time at CPZ5 and PZWR2 is shown on Figures 3a-3b. The complete laboratory report is included in Attachment C.

Given the relatively low concentrations in piezometers CPZ10 and CPZ11, REI recommends an additional round of groundwater samples to confirm contaminant levels prior to any additional piezometer installation.



**RESPONSIVE. EFFICIENT. INNOVATIVE.**

4080 N. 20th Avenue Wausau, WI 54401

715-675-9784 [REIengineering.com](http://REIengineering.com)

Wisconsin Department of Natural Resources  
Attn: Tom Hvizdak  
October 26, 2017

Thank you for your assistance with this project, please contact me to discuss additional piezometer placement or the results of additional investigation at (715) 675-9784 or Adelforge@REIengineering.com.

Sincerely,  
REI Engineering, Inc.



Andrew R. Delforge, P.G.  
Hydrogeologist/Project Manager

cc: Pioneer Bank, Attn: Mr. Jeffrey Whitrock, 5758 Main Street, P.O. Box 220, Auburndale, WI 54412

R&R Transmission Specialists, LLC, Attn: Mr. Ray Rogus, 731 8<sup>th</sup> Street South, Wisconsin Rapids, WI 54494

**Table 2a**  
**PZ1 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	PZ1							
	ES	PAL	8/7/02	9/24/02	12/9/02	4/3/03	4/28/16	7/5/17
<b>Detected VOC's (ug/L)</b>								
Benzene	5	0.5	<0.48	<i>0.67</i>	<0.25	<0.41	<0.50	<0.50
Bromobenzene			<0.44	<0.74	<0.74	<0.82	<0.23	<0.23
Bromochloromethane			<0.61	<0.67	<0.67	<0.97	<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.61	<0.23	<0.23	<0.56	<0.50	<0.50
Bromoform	4.4	0.44	<0.70	<0.45	<0.45	<0.94	<0.50	<0.50
Bromomethane	10	1	<0.71	<0.87	<0.87	<0.91	<2.4	<2.4
n-Butylbenzene			<0.61	<0.65	<0.65	<0.93	<0.50	<0.50
sec-Butylbenzene			<0.49	<0.62	<0.62	<0.89	<2.2	<2.2
tert-Butylbenzene			<0.50	<0.96	<0.96	<0.97	<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.73	<0.47	<0.47	<0.49	<0.50	<0.50
Chlorobenzene			<0.55	<0.58	<0.58	<0.41	<0.50	<0.50
Chloroethane	400	80	<0.57	<0.84	<0.84	<0.97	<0.37	<0.37
Chloroform	6	0.6	<0.75	<0.45	<0.45	<0.37	<i>4.6j</i>	<i>5.4</i>
Chloromethane	3	3	<0.62	<0.27	<0.27	<0.24	<0.50	<0.50
2-Chlorotoluene			<0.48	<0.66	<0.66	<0.85	<0.50	<0.50
4-Chlorotoluene			<0.72	<0.89	<0.89	<0.74	<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.0	<0.88	<0.88	<0.87	<2.2	<2.2
Dibromochloromethane	60	6	<0.43	<0.84	<0.84	<0.81	<0.50	<0.50
1,2-Dibromoethane	0.05	0.005	<0.91	<0.66	<0.66	<0.56	<0.18	<0.18
Dibromomethane			<0.67	<0.74	<0.74	<0.60	<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.67	<0.71	<0.71	<0.83	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.54	<0.58	<0.58	<0.87	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.39	<0.63	<0.63	<0.95	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.68	<0.57	<0.57	<0.99	<0.22	<0.22
1,1-Dichloroethane	850	85	<0.48	<0.87	<0.87	<0.36	<0.24	<0.24
1,2-Dichloroethane	5	0.5	<0.47	<0.55	<0.55	<0.36	<0.17	<0.17
1,1-Dichloroethene	7	0.7	<0.85	<0.56	<0.56	<0.57	<0.41	<0.41
cis-1,2-Dichloroethene	70	7	<0.73	<0.81	<0.81	<0.83	<0.26	<0.26
trans-1,2-Dichloroethylene	100	20	<0.79	<0.80	<0.80	<0.89	<0.26	<0.26
1,2-Dichloropropane	5	0.5	<0.53	<0.39	<0.39	<0.46	<0.23	<0.23
1,3-Dichloropropane			<0.53	<0.62	<0.62	<0.61	<0.50	<0.50
2,2-Dichloropropane			<0.95	<0.99	<0.99	<0.62	<0.48	<0.48
1,1-Dichloropropene			<0.85	<0.79	<0.79	<0.75	<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.56	<0.57	<0.57	<0.19	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.51	<0.64	<0.64	<0.19	<0.23	<0.23
Diisopropyl ether			<0.60	<0.60	<0.60	<0.76	<0.50	<0.50
Ethylbenzene	700	140	<0.43	3.1	<0.53	1.5	<0.50	<0.50
Hexachloro-1,3-butadiene			<0.84	<0.95	<0.95	<0.67	<2.1	<2.1
Isopropylbenzene			<0.43	<0.66	<0.66	<0.59	<0.14	<0.14
p-Isopropyltoluene			<0.57	<0.58	<0.58	<0.67	<0.50	<0.50
Methylene Chloride	5	0.5	<0.85	<0.47	<0.47	<i>0.84</i>	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<0.67	<0.87	<0.87	<0.61	<0.17	<0.17
Naphthalene	100	10	<0.59	1.3	<0.63	0.80	<2.5	<2.5
n-Propylbenzene			0.73	1.7	<0.95	0.98	<0.50	<0.50
Styrene	100	10	<0.43	<0.62	<0.62	<0.86	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.75	<0.95	<0.95	<0.92	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.91	<0.77	<0.77	<0.20	<0.25	<0.25
Terachloroethylene	5	0.5	<0.57	<0.63	<0.63	<0.45	<0.50	<0.50
Toluene	800	160	<0.47	4.9	<0.84	4.0	<0.50	<0.50
1,2,3-Trichlorobenzene			<0.57	<0.77	<0.77	<0.74	<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<0.60	<0.57	<0.57	<0.97	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.69	<0.65	<0.65	<0.90	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.72	<0.50	<0.50	<0.42	<0.20	<0.20
Trichloroethylene	5	0.5	<0.4	<0.39	<0.39	<0.48	<0.33	<0.33
Trichlorofluoromethane	3,490	698	<0.52	<0.85	<0.85	<0.79	<0.18	<0.18
1,2,3-Trichloropropane	60	12	<0.78	<0.92	<0.92	<0.99	<0.50	<0.50
Total Trimethylbenzenes	480	96	2.75	15.8	0.74	7.9	<1.0	<1.0
Vinyl Chloride	0.2	0.02	<0.18	<0.11	<0.11	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	2.95	31.3	<1.83	9.8	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
<i>Italic</i>	= Exceeds Preventative Action Limit

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2b**  
**CPZI Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	CPZI										
	ES	PAL	8/7/02	9/24/02	12/9/02	4/3/03	6/13/12	9/10/13	3/5/14	4/28/16	7/5/17
<b>Detected VOC's (ug/L)</b>											
Benzene	5	0.5	<0.48	<0.25	<0.25	<0.41	<0.41	<0.50	<0.50	<0.50	<0.50
Bromobenzene			<0.44	<0.74	<0.74	<0.82	<0.82	<0.48	<0.48	<0.48	<0.48
Bromochloromethane			<0.61	<0.67	<0.67	<0.97	<0.97	<0.49	<0.49	<0.49	<0.49
Bromodichloromethane	0.6	0.06	<0.61	<0.23	<0.23	<0.56	<0.56	<0.45	<0.45	<0.45	<0.45
Bromoform	4.4	0.44	<0.70	<0.45	<0.45	<0.94	<0.94	<0.33	<0.33	<0.33	<0.33
Bromomethane	10	1	<0.71	<0.87	<0.87	<0.91	<0.91	<0.43	<0.43	<0.43	<0.43
sec-Butylbenzene			<0.49	<0.62	<0.62	<0.89	<0.89	<0.60	<0.60	<0.60	<0.60
tert-Butylbenzene			<0.50	<0.96	<0.96	<0.97	<0.97	<0.42	<0.42	<0.42	<0.42
n-Butylbenzene			<0.61	<0.65	<0.65	<0.93	<0.93	<0.40	<0.40	<0.40	<0.40
Carbon Tetrachloride	5	0.5	<0.73	<0.47	<0.47	<0.49	<0.49	<0.37	<0.37	<0.37	<0.37
Chloroform	6	0.6	<0.75	<0.45	<0.45	<0.37	<1.3	<0.69	<0.69	<0.69	4.3j
Chlorobenzene			<0.55	<0.58	<0.58	<0.41	<0.41	<0.36	<0.36	<0.36	<0.36
Chlorodibromomethane	60	6	<0.43	<0.84	<0.84	<0.81	<0.81	<1.9	<1.9	<1.9	<1.9
Chloroethane	400	80	<0.57	<0.84	<0.84	<0.97	<0.97	<0.44	<0.44	<0.44	<0.44
Chloromethane	3	3	<0.62	<0.27	<0.27	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39
2-Chlorotoluene			<0.48	<0.66	<0.66	<0.85	<0.85	<0.48	<0.48	<0.48	<0.48
4-Chlorotoluene			<0.72	<0.89	<0.89	<0.74	<0.74	<0.48	<0.48	<0.48	<0.48
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.0	<0.88	<0.88	<0.87	<1.7	<1.5	<1.5	<1.5	<1.5
1,2-Dibromoethane	0.05	0.005	<0.91	<0.66	<0.66	<0.56	<0.56	<0.38	<0.38	<0.38	<0.38
Dibromomethane			<0.67	<0.74	<0.74	<0.60	<0.60	<0.48	<0.48	<0.48	<0.48
1,3-Dichlorobenzene	600	120	<0.54	<0.58	<0.58	<0.87	<0.87	<0.45	<0.45	<0.45	<0.45
1,4-Dichlorobenzene	75	15	<0.39	<0.63	<0.63	<0.95	<0.95	<0.43	<0.43	<0.43	<0.43
1,2-Dichloroethane	5	0.5	<0.47	<0.55	<0.55	<0.36	<0.36	<0.48	<0.48	<0.48	<0.48
1,2-Dichlorobenzene	600	60	<0.67	<0.71	<0.71	<0.83	<0.83	<0.44	<0.44	<0.44	<0.44
1,1-Dichloroethene	7	0.7	<0.85	<0.56	<0.56	<0.57	<0.57	<0.43	<0.43	<0.43	<0.43
cis-1,2-Dichloroethene	70	7	<0.73	<0.81	<0.81	<0.83	<0.83	<0.42	<0.42	<0.42	<0.42
Dichlorodifluoromethane	1,000	200	<0.68	<0.57	<0.57	<0.99	<0.99	<0.40	<0.40	<0.40	<0.40
trans-1,2-Dichloroethylene	100	20	<0.79	<0.80	<0.80	<0.89	<0.89	<0.37	<0.37	<0.37	<0.37
1,2-Dichloropropane	5	0.5	<0.53	<0.39	<0.39	<0.46	<0.46	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	850	85	<0.48	<0.87	<0.87	<0.36	<0.36	<0.28	<0.28	<0.28	<0.28
1,3-Dichloropropane			<0.53	<0.62	<0.62	<0.61	<0.61	<0.46	<0.46	<0.46	<0.46
2,2-Dichloropropane			<0.95	<0.99	<0.99	<0.62	<0.62	<0.50	<0.50	<0.50	<0.50
1,1-Dichloropropene			<0.85	<0.79	<0.79	<0.75	<0.75	<0.51	<0.51	<0.51	<0.51
cis-1,3-Dichloropropene	0.4	0.04	<0.56	<0.57	<0.57	<0.19	<0.20	<0.29	<0.29	<0.29	<0.29
trans-1,3-Dichloropropene	0.4	0.04	<0.51	<0.64	<0.64	<0.19	<0.19	<0.30	<0.30	<0.30	<0.30
Diisopropyl ether			<0.60	<0.60	<0.60	<0.76	<0.76	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.43	<0.53	<0.53	<0.54	<0.54	<0.50	<0.50	<0.50	<0.50
Fluorotrichloromethane	3,490	698	<0.52	<0.85	<0.85	<0.79	<0.79	<0.48	<0.48	<0.48	<0.48
Hexachlorobutadiene			<0.84	<0.95	<0.95	<0.67	<0.67	<1.3	<1.3	<1.3	<1.3
Isopropylbenzene			<0.43	<0.66	<0.66	<0.59	<0.59	<0.34	<0.34	<0.34	<0.34
p-Isopropyltoluene			<0.57	<0.58	<0.58	<0.67	<0.67	<0.40	<0.40	<0.40	<0.40
Methylene Chloride	5	0.5	<0.85	<0.47	<0.47	<0.43	<0.43	<0.36	<0.36	<0.36	<0.36
Methyl t-Butyl Ether	60	12	<0.67	<0.87	<0.87	<0.61	<0.61	<0.49	<0.49	<0.49	<0.49
Naphthalene	100	10	<0.59	<0.63	<0.63	<0.74	<0.89	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene			<0.64	<0.95	<0.95	<0.81	<0.81	<0.50	<0.50	<0.50	<0.50
Styrene	100	10	<0.43	<0.62	<0.62	<0.86	<0.86	<0.35	<0.35	<0.35	<0.35
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.91	<0.77	<0.77	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38
1,1,1,2-Tetrachloroethane	70	7	<0.75	<0.95	<0.95	<0.92	<0.92	<0.45	<0.45	<0.45	<0.45
Terachloroethylene	5	0.5	<b>21</b>	<b>5.3</b>	<b>5.0</b>	<b>8.2</b>	<i>0.94j</i>	<0.47	<0.47	<0.47	<0.47
Toluene	800	160	<0.47	<0.84	<0.84	<0.67	<0.67	<0.44	<0.44	<0.44	<0.44
1,2,3-Trichlorobenzene			<0.57	<0.77	<0.77	<0.74	<0.74	<0.77	<0.77	<0.77	<0.77
1,2,4-Trichlorobenzene	70	14	<0.60	<0.57	<0.57	<0.97	<0.97	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	200	40	<0.69	<0.65	<0.65	<0.90	<0.90	<0.44	<0.44	<0.44	<0.44
1,1,2-Trichloroethane	5	0.5	<0.72	<0.50	<0.50	<0.42	<0.42	<0.39	<0.39	<0.39	<0.39
Trichloroethylene	5	0.5	<0.4	<0.39	<0.39	<0.48	<0.48	<0.36	<0.36	<0.36	<0.36
1,2,3-Trichloropropane	60	12	<0.78	<0.92	<0.92	<0.99	<0.99	<0.47	<0.47	<0.47	<0.47
Total Trimethylbenzenes	480	96	<1.03	<1.33	<1.33	<1.80	<1.80	<3.07	<3.07	<3.07	<3.07
Vinyl Chloride	0.2	0.02	<0.18	<0.11	<0.11	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<1.94	<1.83	<1.83	<2.63	<2.63	<1.32	<1.32	<1.32	<1.32

PAL = Preventative Action Limit

ES = Enforcement Standards

**BOLD**

*Italic*

= Exceeds Enforcement Standard

j = Estimated Concentration Bet = Exceeds Preventative Action Limit

Table 2c  
 DPRA-PZI Groundwater Analytical Results  
 Former Normington Dry Cleaners  
 Wisconsin Rapids, Wisconsin

PARAMETER	DPRA-PZI															
	ES	PAL	10/7/98	1/14/99	5/18/99	7/27/99	4/30/98	7/8/98	10/7/98	1/14/99	5/18/99	7/27/99	8/7/02	9/24/02	12/9/02	4/3/03
Detected VOC's (ug/L)																
Benzene	5	0.5	7.8	651	1,230	X	170	36.1	X	27.9	X	X	77	92	24	4.5
Bromobenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.4	<3.7	<7.4	<8.2
Bromochloromethane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.1	<3.4	<6.7	<9.7
Bromodichloromethane	0.6	0.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.1	<1.2	<2.3	<5.6
Bromofom	4.4	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.0	<2.2	<4.5	<9.4
Bromomethane	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.1	<4.3	<8.7	<9.1
sec-Butylbenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.9	<3.1	<6.2	<8.9
tert-Butylbenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	<4.8	<9.6	<9.7
n-Butylbenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.1	<3.2	<6.5	<9.3
Carbon Tetrachloride	5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.3	<2.3	<4.7	<4.9
Chloroform	6	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.5	<2.2	<4.5	<3.7
Chlorobenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.5	<2.9	<5.8	<4.1
Chlorodibromomethane	60	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.3	<4.2	<8.4	<8.1
Chloroethane	400	80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.7	<4.2	<8.4	<9.7
Chloromethane	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.2	<1.4	<2.7	<2.4
2-Chlorotoluene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.8	<3.3	<6.6	<8.5
4-Chlorotoluene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.2	<4.5	<8.9	<7.4
1,2-Dibromo-3-chloropropane	0.2	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	<4.4	<8.8	<8.7
1,2-Dibromoethane	0.05	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<9.1	<3.3	<6.6	<5.6
Dibromomethane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.7	<3.7	<7.4	<6.0
1,3-Dichlorobenzene	600	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.4	<2.9	<5.8	<8.7
1,4-Dichlorobenzene	75	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<3.9	<3.1	<6.3	<9.5
1,2-Dichloroethane	5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.7	<2.8	<5.5	<3.6
1,2-Dichlorobenzene	600	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.7	<3.5	<7.1	<8.3
1,1-Dichloroethene	7	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<8.5	<2.8	<5.6	<5.7
cis-1,2-Dichloroethene	70	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.3	<4.0	<8.1	7.8
Dichlorodifluoromethane	1,000	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.8	<2.8	<5.7	<9.9
trans-1,2-Dichloroethylene	100	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.9	<4.0	<8.0	<8.9
1,2-Dichloropropane	5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.3	<1.9	<3.9	<4.6
1,1-Dichloroethane	850	85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.8	<4.3	<8.7	<7.5
1,3-Dichloropropane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.3	<3.1	<6.2	<6.1
2,2-Dichloropropane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<9.5	<5.0	<9.9	<6.2
1,1-Dichloropropene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<8.5	<4.0	<7.9	<7.5
cis-1,3-Dichloropropene	0.4	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.6	<2.8	<5.7	<1.9
trans-1,3-Dichloropropene	0.4	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.1	<3.2	<6.4	<1.9
Diisopropyl ether			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.0	<3.0	<6.0	<7.6
Ethylbenzene	700	140	6.22	1,630	785	672	11.9	X	X	15	X	X	87	37	23	<5.4
Fluorotrichloromethane	3,490	698	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.2	<4.2	<8.5	<7.9
Hexachlorobutadiene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<8.4	<4.8	<9.5	<6.7
Isopropylbenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.4	17	<6.6	<5.9
p-Isopropyltoluene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.7	<2.9	<5.8	<6.7
Methylene Chloride	5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<8.5	<2.3	<4.7	<4.3
Methyl t-Butyl Ether	60	12	27.5	X	X	X	X	X	X	4.08	X	X	<6.7	<4.3	<8.7	<6.1
Naphthalene	100	10	2.54	1,560	X	71.3	5.18	X	19.3	15.2	0.777	X	<4.5	88	24	<7.4
n-Propylbenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23	37	<9.5	<8.1
Styrene	100	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.3	<3.1	<6.2	<8.6
1,1,2,2-Tetrachloroethane	0.2	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<9.1	<3.9	<7.7	<2.0
1,1,1,2-Tetrachloroethane	70	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.5	<4.8	<9.5	<9.2
Tetrachloroethylene	5	0.5	2.88	X	X	X	2,360	1,550	1,770	2,760	2,860	3,520	1,300	620	720	1,000
Toluene	800	160	80.7	14,900	564	3,920	X	X	X	15.0	X	X	5.2	6.3	<8.4	<6.7
1,2,3-Trichlorobenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.7	<3.9	<7.7	<7.4
1,2,4-Trichlorobenzene	70	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.0	<2.8	<5.7	<9.7
1,1,1-Trichloroethane	200	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.9	<3.2	<6.5	<9.0
1,1,2-Trichloroethane	5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.2	<2.5	<5.0	<4.2
Trichloroethylene	5	0.5	NA	X	NA	X	X	NA	NA	18.6	X	X	18	39	140	160
1,2,3-Trichloropropane	60	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.8	<4.6	<9.2	<9.9
Total Trimethylbenzenes	480	96	15.65	6,290	457	2,203	4.36	X	X	1.58	X	X	140	272	<13.3	18
Vinyl Chloride	0.2	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.8	<0.55	<1.1	<1.8
Total Xylenes	2,000	400	50.8	13,760	793	3,426	5.8	X	31.2	1.68	X	X	192	176	<18.3	<26.3

PAL = Preventative Action Limit  
 ES = Enforcement Standards

**BOLD**

*Italic*

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2d**  
**CPZ2 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	CPZ2											
	ES	PAL	8/7/02	9/24/02	12/9/02	4/3/03	6/13/12	9/10/13	3/5/14	4/28/16	7/5/17	
<b>Detected VOC's (ug/L)</b>												
Benzene	5	0.5	<0.48	<0.25	<0.25	<0.41	<0.41	<0.50	<0.50	<0.50	<0.50	<0.50
Bromobenzene			<0.44	<0.74	<0.74	<0.82	<0.82	<0.48	<0.48	<0.48	<0.48	<0.48
Bromochloromethane			<0.61	<0.67	<0.67	<0.97	<0.97	<0.49	<0.49	<0.49	<0.49	<0.49
Bromodichloromethane	0.6	0.06	<0.61	<0.23	<0.23	<0.56	<0.56	<0.45	<0.45	<0.45	<0.45	<0.45
Bromoform	4.4	0.44	<0.70	<0.45	<0.45	<0.94	<0.94	<0.33	<0.33	<0.33	<0.33	<0.33
Bromomethane	10	1	<0.71	<0.87	<0.87	<0.91	<0.91	<0.43	<0.43	<0.43	<0.43	<0.43
sec-Butylbenzene			<0.49	<0.62	<0.62	<0.89	<0.89	<0.60	<0.60	<0.60	<0.60	<0.60
tert-Butylbenzene			<0.50	<0.96	<0.96	<0.97	<0.97	<0.42	<0.42	<0.42	<0.42	<0.42
n-Butylbenzene			<0.61	<0.65	<0.65	<0.93	<0.93	<0.40	<0.40	<0.40	<0.40	<0.40
Carbon Tetrachloride	5	0.5	<0.73	<0.47	<0.47	<0.49	<0.49	<0.37	<0.37	<0.37	<0.37	<0.37
Chloroform	6	0.6	<0.75	<0.45	<0.45	<0.37	<1.3	<0.69	<0.69	<0.69	<0.69	<0.69
Chlorobenzene			<0.55	<0.58	<0.58	<0.41	<0.41	<0.36	<0.36	<0.36	<0.36	<0.36
Chlorodibromomethane	60	6	<0.43	<0.84	<0.84	<0.81	<0.81	<1.9	<1.9	<1.9	<1.9	<1.9
Chloroethane	400	80	<0.57	<0.84	<0.84	<0.97	<0.97	<0.44	<0.44	<0.44	<0.44	<0.44
Chloromethane	3	3	<0.62	<0.27	<0.27	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.39
2-Chlorotoluene			<0.48	<0.66	<0.66	<0.85	<0.85	<0.48	<0.48	<0.48	<0.48	<0.48
4-Chlorotoluene			<0.72	<0.89	<0.89	<0.74	<0.74	<0.48	<0.48	<0.48	<0.48	<0.48
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.0	<0.88	<0.88	<0.87	<1.7	<1.5	<1.5	<1.5	<1.5	<1.5
1,2-Dibromoethane	0.05	0.005	<0.91	<0.66	<0.66	<0.56	<0.56	<0.38	<0.38	<0.38	<0.38	<0.38
Dibromomethane			<0.67	<0.74	<0.74	<0.60	<0.60	<0.48	<0.48	<0.48	<0.48	<0.48
1,3-Dichlorobenzene	600	120	<0.54	<0.58	<0.58	<0.87	<0.87	<0.45	<0.45	<0.45	<0.45	<0.45
1,4-Dichlorobenzene	75	15	<0.39	<0.63	<0.63	<0.95	<0.95	<0.43	<0.43	<0.43	<0.43	<0.43
1,2-Dichloroethane	5	0.5	<0.47	<0.55	<0.55	<0.36	<0.36	<0.48	<0.48	<0.48	<0.48	<0.48
1,2-Dichlorobenzene	600	60	<0.67	<0.71	<0.71	<0.83	<0.83	<0.44	<0.44	<0.44	<0.44	<0.44
1,1-Dichloroethene	7	0.7	<0.85	<0.56	<0.56	<0.57	<0.57	<0.43	<0.43	<0.43	<0.43	<0.43
cis-1,2-Dichloroethene	70	7	<0.73	<0.81	<0.81	<0.83	<0.83	<0.42	<0.42	<0.42	<0.42	<0.42
Dichlorodifluoromethane	1,000	200	<0.68	<0.57	<0.57	<0.99	<0.99	<0.40	<0.40	<0.40	<0.40	<0.40
trans-1,2-Dichloroethylene	100	20	<0.79	<0.80	<0.80	<0.89	<0.89	<0.37	<0.37	<0.37	<0.37	<0.37
1,2-Dichloropropane	5	0.5	<0.53	<0.39	<0.39	<0.46	<0.49	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	850	85	<0.48	<0.87	<0.87	<0.36	<0.75	<0.28	<0.28	<0.28	<0.28	<0.28
1,3-Dichloropropane			<0.53	<0.62	<0.62	<0.61	<0.61	<0.46	<0.46	<0.46	<0.46	<0.46
2,2-Dichloropropane			<0.95	<0.99	<0.99	<0.62	<0.62	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloropropene			<0.85	<0.79	<0.79	<0.75	<0.75	<0.51	<0.51	<0.51	<0.51	<0.51
cis-1,3-Dichloropropene	0.4	0.04	<0.56	<0.57	<0.57	<0.19	<0.20	<0.29	<0.29	<0.29	<0.29	<0.29
trans-1,3-Dichloropropene	0.4	0.04	<0.51	<0.64	<0.64	<0.19	<0.19	<0.30	<0.30	<0.30	<0.30	<0.30
Diisopropyl ether			<0.60	<0.60	<0.60	<0.76	<0.76	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.43	<0.53	<0.53	<0.54	<0.54	<0.50	<0.50	<0.50	<0.50	<0.50
Fluorotrichloromethane	3,490	698	<0.52	<0.85	<0.85	<0.79	<0.79	<0.48	<0.48	<0.48	<0.48	<0.48
Hexachlorobutadiene			<0.84	<0.95	<0.95	<0.67	<0.67	<1.3	<1.3	<1.3	<1.3	<1.3
Isopropylbenzene			<0.43	<0.66	<0.66	<0.59	<0.59	<0.34	<0.34	<0.34	<0.34	<0.34
p-Isopropyltoluene			<0.57	<0.58	<0.58	<0.67	<0.67	<0.40	<0.40	<0.40	<0.40	<0.40
Methylene Chloride	5	0.5	<0.85	<0.47	<0.47	<i>1.1</i>	<0.43	<0.36	<0.36	<0.36	<0.36	<0.36
Methyl t-Butyl Ether	60	12	<0.67	<0.87	<0.87	<0.61	<0.61	<0.49	<0.49	<0.49	<0.49	<0.49
Naphthalene	100	10	<0.59	<0.63	<0.63	<0.74	<0.89	<2.5	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene			<0.64	<0.95	<0.95	<0.81	<0.81	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	100	10	<0.43	<0.62	<0.62	<0.86	<0.86	<0.35	<0.35	<0.35	<0.35	<0.35
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.91	<0.77	<0.77	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,1,2-Tetrachloroethane	70	7	<0.75	<0.95	<0.95	<0.92	<0.92	<0.45	<0.45	<0.45	<0.45	<0.45
Terachloroethylene	5	0.5	<0.57	<0.63	<0.63	<0.45	<0.45	<0.47	<0.47	<0.47	<0.47	<0.47
Toluene	800	160	<0.47	<0.84	<0.84	<0.67	<0.67	<0.44	<0.44	<0.44	<0.44	<0.44
1,2,3-Trichlorobenzene			<0.57	<0.77	<0.77	<0.74	<0.74	<0.77	<0.77	<0.77	<0.77	<0.77
1,2,4-Trichlorobenzene	70	14	<0.60	<0.57	<0.57	<0.97	<0.97	<2.5	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	200	40	<0.69	<0.65	<0.65	<0.90	<0.90	<0.44	<0.44	<0.44	<0.44	<0.44
1,1,2-Trichloroethane	5	0.5	<0.72	<0.50	<0.50	<0.42	<0.42	<0.39	<0.39	<0.39	<0.39	<0.39
Trichloroethylene	5	0.5	<0.4	<0.39	<0.39	<0.48	<0.48	<0.36	<0.36	<0.36	<0.36	<0.36
1,2,3-Trichloropropane	60	12	<0.78	<0.92	<0.92	<0.99	<0.99	<0.47	<0.47	<0.47	<0.47	<0.47
Total Trimethylbenzenes	480	96	<1.03	<1.33	<1.33	<1.80	<1.80	<3.07	<3.07	<3.07	<3.07	<3.07
Vinyl Chloride	0.2	0.02	<0.18	<0.11	<0.11	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<1.94	<1.83	<1.83	<2.63	<2.63	<1.32	<1.32	<1.32	<1.32	<1.32

PAL = Preventative Action Limit  
ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2e**  
**CPZ3 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ3											
			8/7/02	9/24/02	12/9/02	4/3/03	6/13/12	9/10/13	3/5/14	4/28/16	7/5/17			
<b>Detected VOC's (ug/L)</b>														
Benzene	5	0.5	<0.48	<0.25	<0.25	<0.41	<0.41	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromobenzene			<0.44	<0.74	<0.74	<0.82	<0.82	<0.48	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Bromochloromethane			<0.61	<0.67	<0.67	<0.97	<0.97	<0.49	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.61	<0.23	<0.23	<0.56	<0.56	<0.45	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform	4.4	0.44	<0.70	<0.45	<0.45	<0.94	<0.94	<0.33	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane	10	1	<0.71	<0.87	<0.87	<0.91	<0.91	<0.43	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
n-Butylbenzene			<0.61	<0.65	<0.65	<0.93	<0.93	<0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
sec-Butylbenzene			<0.49	<0.62	<0.62	<0.89	<0.89	<0.60	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
tert-Butylbenzene			<0.50	<0.96	<0.96	<0.97	<0.97	<0.42	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.73	<0.47	<0.47	<0.49	<0.49	<0.37	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorobenzene			<0.55	<0.58	<0.58	<0.41	<0.41	<0.36	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroethane	400	80	<0.57	<0.84	<0.84	<0.97	<0.97	<0.44	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloroform	6	0.6	<0.75	<0.45	<0.45	<0.37	<1.3	<0.69	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Chloromethane	3	3	<0.62	<0.27	<0.27	<0.24	<0.24	<0.39	<0.50	<0.50	<0.50	0.66j	<0.50	<0.50
2-Chlorotoluene			<0.48	<0.66	<0.66	<0.85	<0.85	<0.48	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
4-Chlorotoluene			<0.72	<0.89	<0.89	<0.74	<0.74	<0.48	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.0	<0.88	<0.88	<0.87	<1.7	<1.5	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
Dibromochloromethane	60	6	<0.43	<0.84	<0.84	<0.81	<0.81	<1.9	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dibromoethane	0.05	0.005	<0.91	<0.66	<0.66	<0.56	<0.56	<0.38	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Dibromomethane			<0.67	<0.74	<0.74	<0.60	<0.60	<0.48	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.67	<0.71	<0.71	<0.83	<0.83	<0.44	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.54	<0.58	<0.58	<0.87	<0.87	<0.45	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.39	<0.63	<0.63	<0.95	<0.95	<0.43	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.68	<0.57	<0.57	<0.99	<0.99	<0.40	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
1,1-Dichloroethane	850	85	<0.48	<0.87	<0.87	<0.36	<0.75	<0.28	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,2-Dichloroethane	5	0.5	<0.47	<0.55	<0.55	<0.36	<0.36	<0.48	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,1-Dichloroethene	7	0.7	<0.85	<0.56	<0.56	<0.57	<0.57	<0.43	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,2-Dichloroethene	70	7	<0.73	<0.81	<0.81	<0.83	<0.83	<0.42	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
trans-1,2-Dichloroethylene	100	20	<0.79	<0.80	<0.80	<0.89	<0.89	<0.37	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,2-Dichloropropane	5	0.5	<0.53	<0.39	<0.39	<0.46	<0.49	<0.50	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
1,3-Dichloropropane			<0.53	<0.62	<0.62	<0.61	<0.61	<0.46	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,2-Dichloropropane			<0.95	<0.99	<0.99	<0.62	<0.62	<0.50	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
1,1-Dichloropropene			<0.85	<0.79	<0.79	<0.75	<0.75	<0.51	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.56	<0.57	<0.57	<0.19	<0.20	<0.29	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.51	<0.64	<0.64	<0.19	<0.19	<0.30	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Diisopropyl ether			<0.60	<0.60	<0.60	<0.76	<0.76	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.43	<0.53	<0.53	<0.54	<0.54	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Hexachlorobutadiene			<0.84	<0.95	<0.95	<0.67	<0.67	<1.3	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
Isopropylbenzene			<0.43	<0.66	<0.66	<0.59	<0.59	<0.34	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
p-Isopropyltoluene			<0.57	<0.58	<0.58	<0.67	<0.67	<0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	5	0.5	<0.85	<0.47	<0.47	1.1	<0.43	<0.36	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<0.67	<0.87	<0.87	<0.61	<0.61	<0.49	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Naphthalene	100	10	<0.59	<0.63	<0.63	<0.74	<0.89	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene			<0.64	<0.95	<0.95	<0.81	<0.81	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	100	10	<0.43	<0.62	<0.62	<0.86	<0.86	<0.35	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.75	<0.95	<0.95	<0.92	<0.92	<0.45	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.91	<0.77	<0.77	<0.20	<0.20	<0.38	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Terachloroethylene	5	0.5	<0.57	<0.63	<0.63	<0.45	<0.45	<0.47	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	800	160	<0.47	<0.84	<0.84	<0.67	<0.67	<0.44	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,3-Trichlorobenzene			<0.57	<0.77	<0.77	<0.74	<0.74	<0.77	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<0.60	<0.57	<0.57	<0.97	<0.97	<2.5	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.69	<0.65	<0.65	<0.90	<0.90	<0.44	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.72	<0.50	<0.50	<0.42	<0.42	<0.39	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	5	0.5	<0.4	<0.39	<0.39	<0.48	<0.48	<0.36	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Trichlorofluoromethane	3,490	698	<0.52	<0.85	<0.85	<0.79	<0.79	<0.48	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,2,3-Trichloropropane	60	12	<0.78	<0.92	<0.92	<0.99	<0.99	<0.47	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1.03	<1.33	<1.33	<1.80	<1.80	<3.07	<1	<1	<1	<1	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.11	<0.11	<0.18	<0.18	<0.18	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Total Xylenes	2,000	400	<1.94	<1.83	<1.83	<2.63	<2.63	<1.32	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2f**  
**CPZ4 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ4				CPZ4r	
			8/7/02	9/24/02	12/9/02	4/3/03	4/28/16	7/5/17
<b>Detected VOC's (ug/L)</b>								
Benzene	5	0.5	<0.48	<1.2	<1.2	<0.41	<0.50	<0.50
Bromobenzene			<0.44	<3.7	<3.7	<0.82	<0.23	<0.23
Bromochloromethane			<0.61	<3.4	<3.4	<0.97	<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.61	<1.2	<1.2	<0.56	<0.50	<0.50
Bromoform	4.4	0.44	<0.70	<2.2	<2.2	<0.94	<0.50	<0.50
Bromomethane	10	1	<0.71	<4.3	<4.3	<0.91	<2.4	<2.4
n-Butylbenzene			<0.61	<3.2	<3.2	<0.93	<0.50	<0.50
sec-Butylbenzene			<0.49	<3.1	<3.1	<0.89	<2.2	<2.2
tert-Butylbenzene			<0.50	<4.8	<4.8	<0.97	<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.73	<2.3	<2.3	<0.49	<0.50	<0.50
Chlorobenzene			<0.55	<2.9	<2.9	<0.41	<0.50	<0.50
Chloroethane	400	80	<0.57	<4.2	<4.2	<0.97	<0.37	<0.37
Chloroform	6	0.6	<i>1.5</i>	<2.2	<2.2	<0.37	<b>7.6</b>	<i>2.8j</i>
Chloromethane	3	3	<0.62	<1.4	<1.4	<0.24	<0.50	<0.50
2-Chlorotoluene			<0.48	<3.3	<3.3	<0.85	<0.50	<0.50
4-Chlorotoluene			<0.72	<4.5	<4.5	<0.74	<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.0	<4.4	<4.4	<0.87	<2.2	<2.2
Dibromochloromethane	60	6	<0.43	<4.2	<4.2	<0.81	<0.50	<0.50
1,2-Dibromoethane	0.05	0.005	<0.91	<3.3	<3.3	<0.56	<0.18	<0.18
Dibromomethane			<0.67	<3.7	<3.7	<0.60	<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.67	<3.5	<3.5	<0.83	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.54	<2.9	<2.9	<0.87	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.39	<3.1	<3.1	<0.95	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.68	<2.8	<2.8	<0.99	<0.22	<0.22
1,1-Dichloroethane	850	85	<0.48	<4.3	<4.3	<0.36	<0.24	<0.24
1,2-Dichloroethane	5	0.5	<0.47	<2.8	<2.8	<0.36	<0.17	<0.17
1,1-Dichloroethene	7	0.7	<0.85	<2.8	<2.8	<0.57	<0.41	<0.41
cis-1,2-Dichloroethene	70	7	<0.73	<4.0	<4.0	<0.83	<0.26	<0.26
trans-1,2-Dichloroethylene	100	20	<0.79	<4.0	<4.0	<0.89	<0.26	<0.26
1,2-Dichloropropane	5	0.5	<0.53	<1.9	<1.9	<0.46	<0.23	<0.23
1,3-Dichloropropane			<0.53	<3.1	<3.1	<0.61	<0.50	<0.50
2,2-Dichloropropane			<0.95	<5.0	<5.0	<0.62	<0.48	<0.48
1,1-Dichloropropane			<0.85	<4.0	<4.0	<0.75	<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.56	<2.8	<2.8	<0.19	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.51	<3.2	<3.2	<0.19	<0.23	<0.23
Diisopropyl ether			<0.60	<3.0	<3.0	<0.76	<0.50	<0.50
Ethylbenzene	700	140	<0.43	<2.6	<2.6	<0.54	<0.50	<0.50
Hexachloro-1,3-butadiene			<0.84	<4.8	<4.8	<0.67	<2.1	<2.1
Isopropylbenzene			<0.43	<3.3	<3.3	<0.59	<0.14	<0.14
p-Isopropyltoluene			<0.57	<2.9	<2.9	<0.67	<0.50	<0.50
Methylene Chloride	5	0.5	<0.85	<2.3	<2.3	<i>1.1</i>	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<0.67	<4.3	<4.3	<0.61	<0.17	<0.17
Naphthalene	100	10	<0.59	<3.1	<3.1	<0.74	<2.5	<2.5
n-Propylbenzene			<0.64	<4.8	<4.8	<0.81	<0.50	<0.50
Styrene	100	10	<0.43	<3.1	<3.1	<0.86	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.75	<4.8	<4.8	<0.92	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.91	<3.9	<3.9	<0.20	<0.25	<0.25
Tetrachloroethylene	5	0.5	<b>39</b>	<b>350</b>	<b>400</b>	<b>25</b>	<b>75.2</b>	<0.50
Toluene	800	160	<0.47	<4.2	<4.2	<0.67	<0.50	<0.50
1,2,3-Trichlorobenzene			<0.57	<3.9	<3.9	<0.74	<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<0.60	<2.8	<2.8	<0.97	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.69	<3.2	<3.2	<0.90	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<i>0.86</i>	<2.5	<2.5	<0.42	<0.20	<0.20
Trichloroethylene	5	0.5	<0.4	<1.9	<1.9	<0.48	<i>0.60j</i>	<0.33
Trichlorofluoromethane	3,490	698	<0.52	<4.2	<4.2	<0.79	<0.18	<0.18
1,2,3-Trichloropropane	60	12	<0.78	<4.6	<4.6	<0.99	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1.03	<6.6	<6.6	<1.80	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.55	<0.55	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<1.94	<9.1	<9.1	<2.63	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit



**Table 2g**  
**CPZ5 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ5						
			2/12/03	4/3/03	6/13/12	9/10/13	3/5/14	4/28/16	7/5/17
<b>Detected VOC's (ug/L)</b>									
Benzene	5	0.5	2.3	<1.0	<0.41	<0.50	<0.50	<0.50	<0.50
Bromobenzene			<1.8	<2.0	<0.82	<0.48	<0.48	<0.23	<0.23
Bromochloromethane			<1.7	<2.4	<0.97	<0.49	<0.49	<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.58	<1.4	<0.56	<0.45	<0.45	<0.50	<0.50
Bromoform	4.4	0.44	<1.1	<2.4	<0.94	<0.33	<0.33	<0.50	<0.50
Bromomethane	10	1	<2.2	<2.3	<0.91	<0.43	<0.43	<2.4	<2.4
n-Butylbenzene			<1.6	<2.3	<0.93	<0.40	<0.40	<0.50	<0.50
sec-Butylbenzene			<1.6	<2.2	<0.89	<0.60	<0.60	<2.2	<2.2
tert-Butylbenzene			<2.4	<2.4	<0.97	<0.42	<0.42	<0.18	<0.18
Carbon Tetrachloride	5	0.5	<1.2	<1.2	<0.49	<0.37	<0.37	<0.50	<0.50
Chlorobenzene			<1.4	<1.0	<0.41	<0.36	<0.36	<0.50	<0.50
Chloroethane	400	80	<2.1	<2.4	<0.97	<0.44	<0.44	<0.37	<0.37
Chloroform	6	0.6	<1.1	<0.92	<1.3	<0.69	<0.69	<2.5	<2.5
Chloromethane	3	3	<0.68	<0.60	<0.24	<0.39	<0.39	<0.50	<0.50
2-Chlorotoluene			<1.6	<2.1	<0.85	<0.48	<0.48	<0.50	<0.50
4-Chlorotoluene			<2.2	<1.8	<0.74	<0.48	<0.48	<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<2.2	<1.7	<1.5	<1.5	<2.2	<2.2
Dibromochloromethane	60	6	<2.1	<2.0	<0.81	<1.9	<1.9	<0.50	<0.50
1,2-Dibromoethane	0.05	0.005	<1.6	<1.4	<0.56	<0.38	<0.38	<0.18	<0.18
Dibromomethane			<1.8	<1.5	<0.60	<0.48	<0.48	<0.43	<0.43
1,2-Dichlorobenzene	600	60	<1.8	<2.1	<0.83	<0.44	<0.44	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<1.4	<2.2	<0.87	<0.45	<0.45	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<1.6	<2.4	<0.95	<0.43	<0.43	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<1.4	<2.5	<0.99	<0.40	<0.40	<0.22	<0.22
1,1-Dichloroethane	850	85	<2.2	<1.9	<0.75	<0.28	<0.28	<0.24	<0.24
1,2-Dichloroethane	5	0.5	<1.4	<0.90	<0.36	<0.48	<0.48	<0.17	<0.17
1,1-Dichloroethene	7	0.7	<1.4	<1.4	<0.57	<0.43	<0.43	<0.41	<0.41
cis-1,2-Dichloroethene	70	7	<2.0	<2.1	<0.83	0.78j	<0.29	0.35j	1.1
trans-1,2-Dichloroethylene	100	20	<2.0	<2.2	<0.89	0.80j	0.80j	<0.26	1.4
1,2-Dichloropropane	5	0.5	<0.98	<1.2	<0.49	<0.50	<0.50	<0.23	<0.23
1,3-Dichloropropane			<1.6	<1.5	<0.61	<0.46	<0.46	<0.50	<0.50
2,2-Dichloropropane			<2.5	<1.6	<0.62	<0.50	<0.50	<0.48	<0.48
1,1-Dichloropropene			<2.0	<1.9	<0.75	<0.51	<0.51	<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<1.4	<0.48	<0.20	<0.29	<0.29	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<1.6	<0.48	<0.19	<0.30	<0.30	<0.23	<0.23
Diisopropyl ether			<1.5	<1.9	<0.76	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	700	140	<1.3	<1.4	<0.54	<0.50	<0.50	<0.50	<0.50
Hexachloro-1,3-butadiene			<2.4	<1.7	<0.67	<1.3	<1.3	<2.1	<2.1
Isopropylbenzene			<1.6	<1.5	<0.59	<0.34	<0.34	<0.14	<0.14
p-Isopropyltoluene			<1.4	<1.7	<0.67	<0.40	<0.40	<0.50	<0.50
Methylene Chloride	5	0.5	<1.2	<1.1	<0.43	<0.36	<0.36	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<2.2	<1.5	<0.61	<0.49	<0.49	<0.17	<0.17
Naphthalene	100	10	<1.6	<1.8	<0.89	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene			<2.4	<2.0	<0.81	<0.50	<0.50	<0.50	<0.50
Styrene	100	10	<1.6	<2.2	<0.86	<0.35	<0.35	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<2.4	<2.3	<0.92	<0.45	<0.45	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<1.9	<0.50	<0.20	<0.38	<0.38	<0.25	<0.25
Tetrachloroethylene	5	0.5	<b>470</b>	<b>400</b>	<b>95.7</b>	<i>0.57j</i>	<b>31.9</b>	<b>32.0</b>	<b>93.5</b>
Toluene	800	160	<2.1	<1.7	<0.67	<0.44	<0.44	<0.50	<0.50
1,2,3-Trichlorobenzene			<1.9	<1.8	<0.74	<0.77	<0.77	<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<1.4	<2.4	<0.97	<2.5	<2.5	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<1.6	<2.2	<0.90	<0.44	<0.44	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<1.2	<1.0	<0.42	<0.39	<0.39	<0.20	<0.20
Trichloroethylene	5	0.5	<b>22</b>	<b>9.6</b>	<b>46.1</b>	<b>57.9</b>	<b>21.7</b>	<b>24.4</b>	<b>60.4</b>
Trichlorofluoromethane	3,490	698	<2.1	<2.0	<0.79	<0.48	<0.48	<0.18	<0.18
1,2,3-Trichloropropane	60	12	<2.3	<2.5	<0.99	<0.47	<0.47	<0.50	<0.50
Total Trimethylbenzenes	480	96	<3.3	<4.5	<1.80	<3.07	<3.07	<1.0	<1.0
Vinyl Chloride	0.2	0.02	<0.28	<0.46	<0.18	<0.18	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<4.6	<6.6	<2.63	<1.32	<1.32	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2h**  
**CPZ6 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ6						
			2/12/03	4/3/03	6/13/12	9/10/13	3/5/14	4/28/16	7/5/17
<b>Detected VOC's (ug/L)</b>									
Benzene	5	0.5	<0.62	<0.41	<0.41	<0.50	<0.50	<0.50	<0.50
Bromobenzene			<1.8	<0.82	<0.82	<0.48	<0.48	<0.48	<0.48
Bromochloromethane			<1.7	<0.97	<0.97	<0.49	<0.49	<0.49	<0.49
Bromodichloromethane	0.6	0.06	<0.58	<0.56	<0.56	<b>1.3</b>	<b>0.90j</b>	<0.50	<0.50
Bromoform	4.4	0.44	<1.1	<0.94	<0.94	<0.33	<0.33	<0.33	<0.33
Bromomethane	10	1	<2.2	<0.91	<0.91	<0.43	<0.43	<0.43	<0.43
sec-Butylbenzene			<1.6	<0.89	<0.89	<0.60	<0.60	<0.60	<0.60
tert-Butylbenzene			<2.4	<0.97	<0.97	<0.42	<0.42	<0.42	<0.42
n-Butylbenzene			<1.6	<0.93	<0.93	<0.40	<0.40	<0.40	<0.40
Carbon Tetrachloride	5	0.5	<1.2	<0.49	<0.49	<0.37	<0.37	<0.37	<0.37
Chloroform	6	0.6	<1.1	<0.37	2.0j	<b>19.6</b>	<b>12.9</b>	<2.5	<2.5
Chlorobenzene			<1.4	<0.41	<0.41	<0.36	<0.36	<0.36	<0.36
Chlorodibromomethane	60	6	<2.1	<0.81	<0.81	<1.9	<1.9	<1.9	<1.9
Chloroethane	400	80	<2.1	<0.97	<0.97	<0.44	<0.44	<0.44	<0.44
Chloromethane	3	3	<0.68	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39
2-Chlorotoluene			<1.6	<0.85	<0.85	<0.48	<0.48	<0.48	<0.48
4-Chlorotoluene			<2.2	<0.74	<0.74	<0.48	<0.48	<0.48	<0.48
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<0.87	<1.7	<1.5	<1.5	<1.5	<1.5
1,2-Dibromoethane	0.05	0.005	<1.6	<0.56	<0.56	<0.38	<0.38	<0.38	<0.38
Dibromomethane			<1.8	<0.60	<0.60	<0.48	<0.48	<0.48	<0.48
1,3-Dichlorobenzene	600	120	<1.4	<0.87	<0.87	<0.45	<0.45	<0.45	<0.45
1,4-Dichlorobenzene	75	15	<1.6	<0.95	<0.95	<0.43	<0.43	<0.43	<0.43
1,2-Dichloroethane	5	0.5	<1.4	<0.36	<0.36	<0.48	<0.48	<0.48	<0.48
1,2-Dichlorobenzene	600	60	<1.8	<0.83	<0.83	<0.44	<0.44	<0.44	<0.44
1,1-Dichloroethene	7	0.7	<1.4	<0.57	<0.57	<0.43	<0.43	<0.43	<0.43
cis-1,2-Dichloroethene	70	7	<2.0	<0.83	<0.83	<0.42	<0.42	<0.42	<0.42
Dichlorodifluoromethane	1,000	200	<1.4	<0.99	<0.99	<0.40	<0.40	<0.40	<0.40
trans-1,2-Dichloroethylene	100	20	2.1	<0.89	<0.89	<0.37	<0.37	<0.37	<0.37
1,2-Dichloropropane	5	0.5	<0.98	<0.46	<0.49	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	850	85	<2.2	<0.36	<0.75	<0.28	<0.28	<0.28	<0.28
1,3-Dichloropropane			<1.6	<0.61	<0.61	<0.46	<0.46	<0.46	<0.46
2,2-Dichloropropane			<2.5	<0.62	<0.62	<0.50	<0.50	<0.50	<0.50
1,1-Dichloropropene			<2.0	<0.75	<0.75	<0.51	<0.51	<0.51	<0.51
cis-1,3-Dichloropropene	0.4	0.04	<1.4	<0.19	<0.20	<0.29	<0.29	<0.29	<0.29
trans-1,3-Dichloropropene	0.4	0.04	<1.6	<0.19	<0.19	<0.30	<0.30	<0.30	<0.30
Diisopropyl ether			<1.5	<0.76	<0.76	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	700	140	<1.3	<0.54	<0.54	<0.50	<0.50	<0.50	<0.50
Fluorotrichloromethane	3,490	698	<2.1	<0.79	<0.79	<0.48	<0.48	<0.48	<0.48
Hexachlorobutadiene			<2.4	<0.67	<0.67	<1.3	<1.3	<1.3	<1.3
Isopropylbenzene			<1.6	<0.59	<0.59	<0.34	<0.34	<0.34	<0.34
p-Isopropyltoluene			<1.4	<0.67	<0.67	<0.40	<0.40	<0.40	<0.40
Methylene Chloride	5	0.5	<1.2	0.84	<0.43	<0.36	<0.36	<0.36	<0.36
Methyl t-Butyl Ether	60	12	<2.2	<0.61	<0.61	<0.49	<0.49	<0.49	<0.49
Naphthalene	100	10	<1.6	<0.74	<0.89	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene			<2.4	<0.81	<0.81	<0.50	<0.50	<0.50	<0.50
Styrene	100	10	<1.6	<0.86	<0.86	<0.35	<0.35	<0.35	<0.35
1,1,2,2-Tetrachloroethane	0.2	0.02	<1.9	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38
1,1,1,2-Tetrachloroethane	70	7	<2.4	<0.92	<0.92	<0.45	<0.45	<0.45	<0.45
Tetrachloroethylene	5	0.5	<b>250</b>	<b>63</b>	<0.45	<0.47	<0.47	<0.47	<0.47
Toluene	800	160	<2.1	<0.67	<0.67	<0.44	<0.44	<0.44	<0.44
1,2,3-Trichlorobenzene			<1.9	<0.74	<0.74	<0.77	<0.77	<0.77	<0.77
1,2,4-Trichlorobenzene	70	14	<1.4	<0.97	<0.97	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	200	40	<1.6	<0.90	<0.90	<0.44	<0.44	<0.44	<0.44
1,1,2-Trichloroethane	5	0.5	<1.2	<0.42	<0.42	<0.39	<0.39	<0.39	<0.39
Trichloroethylene	5	0.5	<b>20</b>	3.7	<0.48	<0.36	<0.36	<0.36	<0.36
1,2,3-Trichloropropane	60	12	<2.3	<0.99	<0.99	<0.47	<0.47	<0.47	<0.47
Total Trimethylbenzenes	480	96	<3.3	<1.80	<1.80	<3.07	<3.07	<3.07	<3.07
Vinyl Chloride	0.2	0.02	<0.28	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<4.6	<2.63	<2.63	<1.32	<1.32	<1.32	<1.32

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2i**  
**PZWR2 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	PZWR2					
			6/13/12	9/10/13	3/5/14	4/28/16	7/5/17	
<b>Detected VOC's (ug/L)</b>								
Benzene	5	0.5	<10.2	<0.50	<2.5	<10.0	<2.5	
Bromobenzene			<20.5	<0.48	<2.4	<4.6	<1.2	
Bromochloromethane			<24.2	<0.49	<2.5	<6.8	<1.7	
Bromodichloromethane	0.6	0.06	<14.0	<0.45	<2.3	<10.0	<2.5	
Bromoform	4.4	0.44	<23.5	<0.33	<1.6	<10.0	<2.5	
Bromomethane	10	1	<22.8	<0.43	<2.1	<48.7	<12.2	
n-Butylbenzene			<23.2	<0.40	<2.0	<10.0	<2.5	
sec-Butylbenzene			<22.2	<0.60	<3.0	<43.7	<10.9	
tert-Butylbenzene			<24.2	<0.42	<2.1	<3.6	<0.90	
Carbon Tetrachloride	5	0.5	<12.2	<0.37	<1.8	<10.0	<2.5	
Chlorobenzene			<10.2	<0.36	<1.8	<10.0	<2.5	
Chloroethane	400	80	<24.2	<0.44	<2.2	<7.5	<1.9	
Chloroform	6	0.6	<32.5	<0.69	<3.4	<50.0	<12.5	
Chloromethane	3	3	<6.0	<0.39	<1.9	<10.0	<b>3.6j</b>	
2-Chlorotoluene			<21.2	<0.48	<2.4	<10.0	<2.5	
4-Chlorotoluene			<18.5	<0.48	<2.4	<4.3	<1.1	
1,2-Dibromo-3-chloropropane	0.2	0.02	<42.0	<1.5	<7.5	<43.3	<10.8	
Dibromochloromethane	60	6	<20.2	<1.9	<9.5	<10.0	<2.5	
1,2-Dibromoethane	0.05	0.005	<14.0	<0.38	<1.9	<3.6	<0.89	
Dibromomethane			<15.0	<0.48	<2.4	<8.5	<2.1	
1,2-Dichlorobenzene	600	60	<20.8	<0.44	<2.2	<10.0	<2.5	
1,3-Dichlorobenzene	600	120	<21.8	<0.45	<2.3	<10.0	<2.5	
1,4-Dichlorobenzene	75	15	<23.8	<0.43	<2.2	<10.0	<2.5	
Dichlorodifluoromethane	1,000	200	<24.8	<0.40	<2.0	<4.5	<1.1	
1,1-Dichloroethane	850	85	<18.8	<0.28	<2.1	<4.8	<1.2	
1,2-Dichloroethane	5	0.5	<9.0	<0.48	<2.4	<3.4	<0.84	
1,1-Dichloroethene	7	0.7	<14.2	<0.43	<2.1	<8.2	<2.1	
cis-1,2-Dichloroethene	70	7	<20.8	<0.42	<2.1	<5.1	<1.3	
trans-1,2-Dichloroethylene	100	20	<22.2	<0.37	<1.9	<5.1	<1.3	
1,2-Dichloropropane	5	0.5	<12.2	<0.50	<2.5	<4.7	<1.2	
1,3-Dichloropropane			<15.2	<0.46	<2.3	<10.0	<2.5	
2,2-Dichloropropane			<15.5	<0.50	<2.5	<9.7	<2.4	
1,1-Dichloropropene			<18.8	<0.51	<2.5	<8.8	<2.2	
cis-1,3-Dichloropropene	0.4	0.04	<5.0	<0.29	<1.5	<10.0	<2.5	
trans-1,3-Dichloropropene	0.4	0.04	<4.8	<0.30	<1.5	<4.6	<1.1	
Diisopropyl ether			<19.0	<0.50	<2.5	<10.0	<2.5	
Ethylbenzene	700	140	<13.5	<0.50	<2.5	<10.0	<2.5	
Hexachloro-1,3-butadiene			<16.8	<1.3	<6.3	<42.1	<10.5	
Isopropylbenzene			<14.8	<0.34	<1.7	<2.9	<0.72	
p-Isopropyltoluene			<16.8	<0.40	<2.0	<10.0	<2.5	
Methylene Chloride	5	0.5	<10.8	<0.36	<1.8	<4.7	<1.2	
Methyl t-Butyl Ether	60	12	<15.2	<0.49	<2.5	<3.5	<0.87	
Naphthalene	100	10	<22.2	<2.5	<12.5	<50.0	<12.5	
n-Propylbenzene			<20.2	<0.50	<2.5	<10.0	<2.5	
Styrene	100	10	<21.5	<0.35	<1.7	<10.0	<2.5	
1,1,1,2-Tetrachloroethane	70	7	<23.0	<0.45	<2.3	<3.6	<0.90	
1,1,2,2-Tetrachloroethane	0.2	0.02	<5.0	<0.38	<1.9	<5.0	<1.2	
Tetrachloroethylene	5	0.5	<b>1,240</b>	<b>79.3</b>	<b>650</b>	<b>2,260</b>	<b>543</b>	
Toluene	800	160	<16.8	<0.44	<2.2	<10.0	<2.5	
1,2,3-Trichlorobenzene			<18.5	<0.77	<3.8	<42.7	<10.7	
1,2,4-Trichlorobenzene	70	14	<24.2	<2.5	<12.5	<44.2	<11.0	
1,1,1-Trichloroethane	200	40	<22.5	<0.44	<2.2	<10.0	<2.5	
1,1,2-Trichloroethane	5	0.5	<10.5	<0.39	<1.9	<3.9	<0.99	
Trichloroethylene	5	0.5	<12.0	<0.36	<i>3.7j</i>	<b>7.3j</b>	<1.7	
Trichlorofluoromethane	3,490	698	<19.8	<0.48	<2.4	<3.7	<0.92	
1,2,3-Trichloropropane	60	12	<24.8	<0.47	<2.3	<10.0	<2.5	
Total Trimethylbenzenes	480	96	<45	<3.07	<5	<20	<5	
Vinyl Chloride	0.2	0.02	<4.5	<0.18	<0.92	<3.5	<0.88	
Total Xylenes	2,000	400	<65.8	<1.32	<6.6	<30	<7.5	

PAL = Preventative Action Limit

ES = Enforcement Standards

**BOLD** = Exceeds Enforcement Standard

*Italic* = Exceeds Preventative Action Limit

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2j**  
**PZWR3 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	PZWR3						
	ES	PAL	6/13/12	9/10/13	3/5/14	4/28/16	7/5/17
<b>Detected VOC's (ug/L)</b>							
Benzene	5	0.5	<0.41	<0.50	<0.50	<0.50	<0.50
Bromobenzene			<0.82	<0.48	<0.48	<0.48	<0.48
Bromochloromethane			<0.97	<0.49	<0.49	<0.49	<0.49
Bromodichloromethane	0.6	0.06	<0.56	<0.45	<0.45	<0.45	<0.45
Bromoform	4.4	0.44	<0.94	<0.33	<0.33	<0.33	<0.33
Bromomethane	10	1	<0.91	<0.43	<0.43	<0.43	<0.43
sec-Butylbenzene			<0.89	<0.60	<0.60	<0.60	<0.60
tert-Butylbenzene			<0.97	<0.42	<0.42	<0.42	<0.42
n-Butylbenzene			<0.93	<0.40	<0.40	<0.40	<0.40
Carbon Tetrachloride	5	0.5	<0.49	<0.37	<0.37	<0.37	<0.37
Chloroform	6	0.6	<1.3	<0.69	<0.69	<0.69	<0.69
Chlorobenzene			<0.41	<0.36	<0.36	<0.36	<0.36
Chlorodibromomethane	60	6	<0.81	<1.9	<1.9	<1.9	<1.9
Chloroethane	400	80	<0.97	<0.44	<0.44	<0.44	<0.44
Chloromethane	3	3	<0.24	<0.39	<0.39	<0.39	0.60j
2-Chlorotoluene			<0.85	<0.48	<0.48	<0.48	<0.48
4-Chlorotoluene			<0.74	<0.48	<0.48	<0.48	<0.48
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.7	<1.5	<1.5	<1.5	<1.5
1,2-Dibromoethane	0.05	0.005	<0.56	<0.38	<0.38	<0.38	<0.38
Dibromomethane			<0.60	<0.48	<0.48	<0.48	<0.48
1,3-Dichlorobenzene	600	120	<0.87	<0.45	<0.45	<0.45	<0.45
1,4-Dichlorobenzene	75	15	<0.95	<0.43	<0.43	<0.43	<0.43
1,2-Dichloroethane	5	0.5	<0.36	<0.48	<0.48	<0.48	<0.48
1,2-Dichlorobenzene	600	60	<0.83	<0.44	<0.44	<0.44	<0.44
1,1-Dichloroethene	7	0.7	<0.57	<0.43	<0.43	<0.43	<0.43
cis-1,2-Dichloroethene	70	7	<0.83	<0.42	<0.42	<0.42	<0.42
Dichlorodifluoromethane	1,000	200	<0.99	<0.40	<0.40	<0.40	<0.40
trans-1,2-Dichloroethylene	100	20	<0.89	<0.37	<0.37	<0.37	<0.37
1,2-Dichloropropane	5	0.5	<0.49	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	850	85	<0.75	<0.28	<0.28	<0.28	<0.28
1,3-Dichloropropane			<0.61	<0.46	<0.46	<0.46	<0.46
2,2-Dichloropropane			<0.62	<0.50	<0.50	<0.50	<0.50
1,1-Dichloropropene			<0.75	<0.51	<0.51	<0.51	<0.51
cis-1,3-Dichloropropene	0.4	0.04	<0.20	<0.29	<0.29	<0.29	<0.29
trans-1,3-Dichloropropene	0.4	0.04	<0.19	<0.30	<0.30	<0.30	<0.30
Diisopropyl ether			<0.76	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.54	<0.50	<0.50	<0.50	<0.50
Fluorotrichloromethane	3,490	698	<0.79	<0.48	<0.48	<0.48	<0.48
Hexachlorobutadiene			<0.67	<1.3	<1.3	<1.3	<1.3
Isopropylbenzene			<0.59	<0.34	<0.34	<0.34	<0.34
p-Isopropyltoluene			<0.67	<0.40	<0.40	<0.40	<0.40
Methylene Chloride	5	0.5	<0.43	<0.36	<0.36	<0.36	<0.36
Methyl t-Butyl Ether	60	12	<0.61	<0.49	<0.49	<0.49	<0.49
Naphthalene	100	10	<0.89	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene			<0.81	<0.50	<0.50	<0.50	<0.50
Styrene	100	10	<0.86	<0.35	<0.35	<0.35	<0.35
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.20	<0.38	<0.38	<0.38	<0.38
1,1,1,2-Tetrachloroethane	70	7	<0.92	<0.45	<0.45	<0.45	<0.45
Tetrachloroethylene	5	0.5	<0.45	0.57j	<0.47	<0.47	<0.47
Toluene	800	160	<0.67	<0.44	<0.44	<0.44	<0.44
1,2,3-Trichlorobenzene			<0.74	<0.77	<0.77	<0.77	<0.77
1,2,4-Trichlorobenzene	70	14	<0.97	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	200	40	<0.90	<0.44	<0.44	<0.44	<0.44
1,1,2-Trichloroethane	5	0.5	<0.42	<0.39	<0.39	<0.39	<0.39
Trichloroethylene	5	0.5	<0.48	<0.36	<0.36	<0.36	<0.36
1,2,3-Trichloropropane	60	12	<0.99	<0.47	<0.47	<0.47	<0.47
Total Trimethylbenzenes	480	96	<1.80	<3.07	<3.07	<3.07	<3.07
Vinyl Chloride	0.2	0.02	<0.18	<0.18	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<2.63	<1.32	<1.32	<1.32	<1.32

PAL = Preventative Action Limit

ES = Enforcement Standards

**BOLD** = Exceeds Enforcement Standard

*Italic* = Exceeds Preventative Action Limit

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2k**  
**Sprinkler East Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	Sprinkler E.	
			4/23/03	9/10/13
<b>Detected VOC's (ug/L)</b>				
Benzene	5	0.5	<0.41	<0.50
Bromobenzene			<0.82	<0.48
Bromochloromethane			<0.97	<0.49
Bromodichloromethane	0.6	0.06	<0.56	<0.45
Bromoform	4.4	0.44	<0.94	<0.33
Bromomethane	10	1	<0.91	<0.43
sec-Butylbenzene			<0.89	<0.60
tert-Butylbenzene			<0.97	<0.42
n-Butylbenzene			<0.93	<0.40
Carbon Tetrachloride	5	0.5	<0.49	<0.37
Chloroform	6	0.6	<0.37	<0.69
Chlorobenzene			<0.41	<0.36
Chlorodibromomethane	60	6	<0.81	<1.9
Chloroethane	400	80	<0.97	<0.44
Chloromethane	3	3	<0.24	<0.39
2-Chlorotoluene			<0.85	<0.48
4-Chlorotoluene			<0.74	<0.48
1,2-Dibromo-3-chloropropane	0.2	0.02	<0.87	<1.5
1,2-Dibromoethane	0.05	0.005	<0.56	<0.38
Dibromomethane			<0.60	<0.48
1,3-Dichlorobenzene	600	120	<0.87	<0.45
1,4-Dichlorobenzene	75	15	<0.95	<0.43
1,2-Dichloroethane	5	0.5	<0.36	<0.48
1,2-Dichlorobenzene	600	60	<0.83	<0.44
1,1-Dichloroethene	7	0.7	<0.57	<0.43
cis-1,2-Dichloroethene	70	7	1.0	3.1
Dichlorodifluoromethane	1,000	200	<0.99	<0.40
trans-1,2-Dichloroethylene	100	20	<0.89	4.1
1,2-Dichloropropane	5	0.5	<0.46	<0.50
1,1-Dichloroethane	850	85	<0.36	<0.28
1,3-Dichloropropane			<0.61	<0.46
2,2-Dichloropropane			<0.62	<0.50
1,1-Dichloropropene			<0.75	<0.51
cis-1,3-Dichloropropene	0.4	0.04	<0.19	<0.29
trans-1,3-Dichloropropene	0.4	0.04	<0.19	<0.30
Diisopropyl ether			<0.76	<0.50
Ethylbenzene	700	140	<0.54	<0.50
Fluorotrichloromethane	3,490	698	<0.79	<0.48
Hexachlorobutadiene			<0.67	<1.3
Isopropylbenzene			<0.59	<0.34
p-Isopropyltoluene			<0.67	<0.40
Methylene Chloride	5	0.5	<0.43	<0.36
Methyl t-Butyl Ether	60	12	<0.61	<0.49
Naphthalene	100	10	<0.74	<2.5
n-Propylbenzene			<0.81	<0.50
Styrene	100	10	<0.86	<0.35
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.20	<0.38
1,1,1,2-Tetrachloroethane	70	7	<0.92	<0.45
Terachloroethylene	5	0.5	<b>81</b>	<b>57.7</b>
Toluene	800	160	<0.67	<0.44
1,2,3-Trichlorobenzene			<0.74	<0.77
1,2,4-Trichlorobenzene	70	14	<0.97	<2.5
1,1,1-Trichloroethane	200	40	<0.90	<0.44
1,1,2-Trichloroethane	5	0.5	<0.42	<0.39
Trichloroethylene	5	0.5	<b>57</b>	<b>76.3</b>
1,2,3-Trichloropropane	60	12	<0.99	<0.47
Total Trimethylbenzenes	480	96	<1.80	<3.07
Vinyl Chloride	0.2	0.02	<0.18	<0.18
Total Xylenes	2,000	400	<2.63	<1.32

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 21**  
**Sprinkler West Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	Sprinkler W.	
			4/23/03	9/10/13
<b>Detected VOC's (ug/L)</b>				
Benzene	5	0.5	<0.41	<0.50
Bromobenzene			<0.82	<0.48
Bromochloromethane			<0.97	<0.49
Bromodichloromethane	0.6	0.06	<0.56	<0.45
Bromoform	4.4	0.44	<0.94	<0.33
Bromomethane	10	1	<0.91	<0.43
sec-Butylbenzene			<0.89	<0.60
tert-Butylbenzene			<0.97	<0.42
n-Butylbenzene			<0.93	<0.40
Carbon Tetrachloride	5	0.5	<0.49	<0.37
Chloroform	6	0.6	<0.37	<0.69
Chlorobenzene			<0.41	<0.36
Chlorodibromomethane	60	6	<0.81	<1.9
Chloroethane	400	80	<0.97	<0.44
Chloromethane	3	3	<0.24	<0.39
2-Chlorotoluene			<0.85	<0.48
4-Chlorotoluene			<0.74	<0.48
1,2-Dibromo-3-chloropropane	0.2	0.02	<0.87	<1.5
1,2-Dibromoethane	0.05	0.005	<0.56	<0.38
Dibromomethane			<0.60	<0.48
1,3-Dichlorobenzene	600	120	<0.87	<0.45
1,4-Dichlorobenzene	75	15	<0.95	<0.43
1,2-Dichloroethane	5	0.5	<0.36	<0.48
1,2-Dichlorobenzene	600	60	<0.83	<0.44
1,1-Dichloroethene	7	0.7	<0.57	<0.43
cis-1,2-Dichloroethene	70	7	<0.83	7.2
Dichlorodifluoromethane	1,000	200	<0.99	<0.40
trans-1,2-Dichloroethylene	100	20	<0.89	9.6
1,2-Dichloropropane	5	0.5	<0.46	<0.50
1,1-Dichloroethane	850	85	<0.36	<0.28
1,3-Dichloropropane			<0.61	<0.46
2,2-Dichloropropane			<0.62	<0.50
1,1-Dichloropropene			<0.75	<0.51
cis-1,3-Dichloropropene	0.4	0.04	<0.19	<0.29
trans-1,3-Dichloropropene	0.4	0.04	<0.19	<0.30
Diisopropyl ether			<0.76	<0.50
Ethylbenzene	700	140	<0.54	<0.50
Fluorotrichloromethane	3,490	698	<0.79	<0.48
Hexachlorobutadiene			<0.67	<1.3
Isopropylbenzene			<0.59	<0.34
p-Isopropyltoluene			<0.67	<0.40
Methylene Chloride	5	0.5	<0.86	<0.36
Methyl t-Butyl Ether	60	12	<0.61	<0.49
Naphthalene	100	10	<0.74	<2.5
n-Propylbenzene			<0.81	<0.50
Styrene	100	10	<0.86	<0.35
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.20	<0.38
1,1,1,2-Tetrachloroethane	70	7	<0.92	<0.45
Terachloroethylene	5	0.5	<b>340</b>	<b>5.4</b>
Toluene	800	160	<0.67	<0.44
1,2,3-Trichlorobenzene			<0.74	<0.77
1,2,4-Trichlorobenzene	70	14	<0.97	<2.5
1,1,1-Trichloroethane	200	40	<0.90	<0.44
1,1,2-Trichloroethane	5	0.5	<0.42	<0.39
Trichloroethylene	5	0.5	<b>35</b>	<b>47.9</b>
1,2,3-Trichloropropane	60	12	<0.99	<0.47
Total Trimethylbenzenes	480	96	<1.80	<3.07
Vinyl Chloride	0.2	0.02	<0.18	<0.18
Total Xylenes	2,000	400	<2.63	<1.32

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2m**  
**MWWR1 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	MWWR1			
			6/13/12	3/5/14	4/28/16	7/7/17
<b>Detected VOC's (ug/L)</b>						
Benzene	5	0.5	<0.41	<0.50	<0.50	<0.50
Bromobenzene			<0.82	<0.48	<0.48	<0.48
Bromochloromethane			<0.97	<0.49	<0.49	<0.49
Bromodichloromethane	0.6	0.06	<0.56	<0.45	<0.45	3.2
Bromoform	4.4	0.44	<0.94	<0.33	<0.33	<0.33
Bromomethane	10	1	<0.91	<0.43	<0.43	<0.43
sec-Butylbenzene			<0.89	<0.60	<0.60	<0.60
tert-Butylbenzene			<0.97	<0.42	<0.42	<0.42
n-Butylbenzene			<0.93	<0.40	<0.40	<0.40
Carbon Tetrachloride	5	0.5	<0.49	<0.37	<0.37	<0.37
Chloroform	6	0.6	<1.3	<0.69	<0.69	<b>37.1</b>
Chlorobenzene			<0.41	<0.36	<0.36	<0.36
Chlorodibromomethane	60	6	<0.81	<1.9	<1.9	<1.9
Chloroethane	400	80	<0.97	<0.44	<0.44	<0.44
Chloromethane	3	3	<0.24	<0.39	<0.39	<0.39
2-Chlorotoluene			<0.85	<0.48	<0.48	<0.48
4-Chlorotoluene			<0.74	<0.48	<0.48	<0.48
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.7	<1.5	<1.5	<1.5
1,2-Dibromoethane	0.05	0.005	<0.56	<0.38	<0.38	<0.38
Dibromomethane			<0.60	<0.48	<0.48	<0.48
1,3-Dichlorobenzene	600	120	<0.87	<0.45	<0.45	<0.45
1,4-Dichlorobenzene	75	15	<0.95	<0.43	<0.43	<0.43
1,2-Dichloroethane	5	0.5	<0.36	<0.48	<0.48	<0.48
1,2-Dichlorobenzene	600	60	<0.83	<0.44	<0.44	<0.44
1,1-Dichloroethene	7	0.7	<0.57	<0.43	<0.43	<0.43
cis-1,2-Dichloroethene	70	7	<0.83	<0.42	<0.42	<0.42
Dichlorodifluoromethane	1,000	200	<0.99	<0.40	<0.40	<0.40
trans-1,2-Dichloroethylene	100	20	<0.89	<0.37	<0.37	<0.37
1,2-Dichloropropane	5	0.5	<0.49	<0.50	<0.50	<0.50
1,1-Dichloroethane	850	85	<0.75	<0.28	<0.28	<0.28
1,3-Dichloropropane			<0.61	<0.46	<0.46	<0.46
2,2-Dichloropropane			<0.62	<0.50	<0.50	<0.50
1,1-Dichloropropene			<0.75	<0.51	<0.51	<0.51
cis-1,3-Dichloropropene	0.4	0.04	<0.20	<0.29	<0.29	<0.29
trans-1,3-Dichloropropene	0.4	0.04	<0.19	<0.30	<0.30	<0.30
Diisopropyl ether			<0.76	<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.54	<0.50	<0.50	<0.50
Fluorotrichloromethane	3,490	698	<0.79	<0.48	<0.48	<0.48
Hexachlorobutadiene			<0.67	<1.3	<1.3	<1.3
Isopropylbenzene			<0.59	<0.34	<0.34	<0.34
p-Isopropyltoluene			<0.67	<0.40	<0.40	<0.40
Methylene Chloride	5	0.5	<0.43	<0.36	<0.36	<0.36
Methyl t-Butyl Ether	60	12	<0.61	<0.49	<0.49	<0.49
Naphthalene	100	10	<0.89	<2.5	<2.5	<2.5
n-Propylbenzene			<0.81	<0.50	<0.50	<0.50
Styrene	100	10	<0.86	<0.35	<0.35	<0.35
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.20	<0.38	<0.38	<0.38
1,1,1,2-Tetrachloroethane	70	7	<0.92	<0.45	<0.45	<0.45
Terachloroethylene	5	0.5	<0.45	<0.47	<0.47	<0.47
Toluene	800	160	<0.67	<0.44	<0.44	<0.44
1,2,3-Trichlorobenzene			<0.74	<0.77	<0.77	<0.77
1,2,4-Trichlorobenzene	70	14	<0.97	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	200	40	<0.90	<0.44	<0.44	<0.44
1,1,2-Trichloroethane	5	0.5	<0.42	<0.39	<0.39	<0.39
Trichloroethylene	5	0.5	<0.48	<0.36	<0.36	<0.36
1,2,3-Trichloropropane	60	12	<0.99	<0.47	<0.47	<0.47
Total Trimethylbenzenes	480	96	<1.80	<1	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<2.63	<1.32	<1.32	<1.32

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2n**  
**Groundwater Profile Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	GWP1 6/5/14	GWP2 6/5/14	GWP3 6/5/14	GWP4 6/5/14	GWP5 6/5/14
<b>Detected VOC's (ug/L)</b>							
Benzene	5	0.5	<0.50	<0.50	<b>16.4</b>	<b>6.4</b>	<0.50
Bromobenzene			<0.23	<0.23	<0.58	<0.23	<0.23
Bromochloromethane			<0.34	<0.34	<0.85	<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.50	<0.50	<1.2	<0.50	<0.50
Bromoform	4.4	0.44	<0.50	<0.50	<1.2	<0.50	<0.50
Bromomethane	10	1	<2.4	<2.4	<6.1	<2.4	<2.4
sec-Butylbenzene			<2.2	<2.2	<5.5	<2.2	<2.2
tert-Butylbenzene			<0.18	<0.18	<0.45	<0.18	<0.18
n-Butylbenzene			<0.50	<0.50	<1.2	<0.50	<0.50
Carbon Tetrachloride	5	0.5	<0.50	<0.50	<1.2	<0.50	<0.50
Chloroform	6	0.6	<2.5	<2.5	<6.2	<2.5	<2.5
Chlorobenzene			<0.50	<0.50	<1.2	<0.50	<0.50
Chlorodibromomethane	60	6	<0.32	<0.32	<0.80	<0.32	<0.32
Chloroethane	400	80	<0.37	<0.37	<0.94	<0.37	<0.37
Chloromethane	3	3	<0.50	<0.50	<1.2	<0.50	<0.50
2-Chlorotoluene			<0.50	<0.50	<1.2	<0.50	<0.50
4-Chlorotoluene			<0.21	<0.21	<1.2	<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<2.2	<5.4	<2.2	<2.2
1,2-Dibromoethane	0.05	0.005	<0.16	<0.16	<0.41	<0.16	<0.16
Dibromomethane			<0.43	<0.43	<1.1	<0.43	<0.43
1,3-Dichlorobenzene	600	120	<0.50	<0.50	<1.2	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.50	<0.50	<1.2	<0.50	<0.50
1,2-Dichloroethane	5	0.5	<0.18	<0.18	<0.42	<0.18	<0.18
1,2-Dichlorobenzene	600	60	<0.50	<0.50	<1.2	<0.50	<0.50
1,1-Dichloroethene	7	0.7	<0.17	<0.17	<1.0	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	0.91j	1.1	3.0	2.7	<0.26
Dichlorodifluoromethane	1,000	200	<0.16	<0.16	<0.39	<0.16	<0.16
trans-1,2-Dichloroethylene	100	20	<0.24	<0.24	2.2j	3.0	<0.24
1,2-Dichloropropane	5	0.5	<0.23	<0.23	<0.58	<0.23	<0.23
1,1-Dichloroethane	850	85	<0.18	<0.18	<0.46	<0.18	<0.18
1,3-Dichloropropane			<0.50	<0.50	<1.2	<0.50	<0.50
2,2-Dichloropropane			<0.48	<0.48	<1.2	<0.48	<0.48
1,1-Dichloropropene			<0.44	<0.44	<1.1	<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50	<0.50	<1.2	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23	<0.23	<0.57	<0.23	<0.23
Diisopropyl ether			<0.50	<0.50	<1.2	<0.50	<0.50
Ethylbenzene	700	140	<0.50	<0.50	<1.2	<0.50	<0.50
Fluorotrichloromethane	3,490	698	<0.17	<0.17	<0.43	<0.17	<0.17
Hexachlorobutadiene			<2.1	<2.1	<5.3	<2.1	<2.1
Isopropylbenzene			<0.12	<0.12	<0.29	<0.12	<0.12
p-Isopropyltoluene			<0.50	<0.50	<1.2	<0.50	<0.50
Methylene Chloride	5	0.5	<0.23	<0.23	<0.58	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<0.17	0.38j	12.6	1.5	<0.17
Naphthalene	100	10	<2.5	<2.5	<6.2	<2.5	<2.5
n-Propylbenzene			<0.50	<0.50	<1.2	<0.50	<0.50
Styrene	100	10	<0.50	<0.50	<1.2	<0.50	<0.50
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25	<0.25	<0.62	<0.25	<0.25
1,1,1,2-Tetrachloroethane	70	7	<0.18	<0.18	<0.45	<0.18	<0.18
Tetrachloroethylene	5	0.5	<b>26.2</b>	2.3	<b>73.5</b>	<b>77.4</b>	<0.50
Toluene	800	160	<0.50	<0.50	<1.2	<0.50	<0.50
1,2,3-Trichlorobenzene			<2.1	<2.1	<5.3	<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<2.2	<2.2	<5.5	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.50	<0.50	<1.2	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16	<0.16	<0.39	<0.16	<0.16
Trichloroethylene	5	0.5	<b>8.8</b>	<b>7.9</b>	<b>173</b>	<b>25.4</b>	<i>0.87j</i>
1,2,3-Trichloropropane	60	12	<0.50	<0.50	<1.2	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1	<1	<2.4	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.18	<0.44	<0.18	<0.18
Total Xylenes	2,000	400	<1.5	<1.5	<3.7	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit



**Table 2o**  
**CPZ7 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ7	
			4/28/16	7/5/17
<b>Detected VOC's (ug/L)</b>				
Benzene	5	0.5	<i>0.88j</i>	<0.50
Bromobenzene			<0.23	<0.23
Bromochloromethane			<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.50	<0.50
Bromoform	4.4	0.44	<0.50	<0.50
Bromomethane	10	1	<2.4	<2.4
n-Butylbenzene			<0.50	<0.50
sec-Butylbenzene			<2.2	<2.2
tert-Butylbenzene			<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.50	<0.50
Chlorobenzene			<0.50	<0.50
Chloroethane	400	80	<0.37	<0.37
Chloroform	6	0.6	<2.5	<2.5
Chloromethane	3	3	<0.50	<0.50
2-Chlorotoluene			<0.50	<0.50
4-Chlorotoluene			<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<2.2
Dibromochloromethane	60	6	<0.32	<0.32
1,2-Dibromoethane	0.05	0.005	<0.16	<0.16
Dibromomethane			<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.16	<0.16
1,1-Dichloroethane	850	85	<0.18	<0.18
1,2-Dichloroethane	5	0.5	<0.18	<0.18
1,1-Dichloroethene	7	0.7	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	4.2	2.9
trans-1,2-Dichloroethylene	100	20	<0.24	<0.24
1,2-Dichloropropane	5	0.5	<0.23	<0.23
1,3-Dichloropropane			<0.50	<0.50
2,2-Dichloropropane			<0.48	<0.48
1,1-Dichloropropene			<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23	<0.23
Diisopropyl ether			<0.50	<0.50
Ethylbenzene	700	140	<0.50	<0.50
Hexachloro-1,3-butadiene			<2.1	<2.1
Isopropylbenzene			<0.12	<0.12
p-Isopropyltoluene			<0.50	<0.50
Methylene Chloride	5	0.5	<0.23	<0.23
Methyl t-Butyl Ether	60	12	5.6	1.3
Naphthalene	100	10	<2.5	<2.5
n-Propylbenzene			<0.50	<0.50
Styrene	100	10	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25	<0.25
Tetrachloroethylene	5	0.5	3.7	3.7
Toluene	800	160	<0.50	<0.50
1,2,3-Trichlorobenzene			<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16	<0.16
Trichloroethylene	5	0.5	<b>18.1</b>	<b>10.7</b>
Trichlorofluoromethane	3,490	698	<0.17	<0.17
1,2,3-Trichloropropane	60	12	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.18
Total Xylenes	2,000	400	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2p**  
**CPZ8 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ8	
			4/28/16	7/5/17
<b>Detected VOC's (ug/L)</b>				
Benzene	5	0.5	<0.50	<0.50
Bromobenzene			<0.23	<0.23
Bromochloromethane			<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.50	<0.50
Bromoform	4.4	0.44	<0.50	<0.50
Bromomethane	10	1	<2.4	<2.4
n-Butylbenzene			<0.50	<0.50
sec-Butylbenzene			<2.2	<2.2
tert-Butylbenzene			<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.50	<0.50
Chlorobenzene			<0.50	<0.50
Chloroethane	400	80	<0.37	<0.37
Chloroform	6	0.6	<2.5	<2.5
Chloromethane	3	3	<0.50	<0.50
2-Chlorotoluene			<0.50	<0.50
4-Chlorotoluene			<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<2.2
Dibromochloromethane	60	6	<0.32	<0.32
1,2-Dibromoethane	0.05	0.005	<0.16	<0.16
Dibromomethane			<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.16	<0.16
1,1-Dichloroethane	850	85	<0.18	<0.18
1,2-Dichloroethane	5	0.5	<0.18	<0.18
1,1-Dichloroethene	7	0.7	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	1.2	<0.26
trans-1,2-Dichloroethylene	100	20	0.75j	<0.26
1,2-Dichloropropane	5	0.5	<0.23	<0.23
1,3-Dichloropropane			<0.50	<0.50
2,2-Dichloropropane			<0.48	<0.48
1,1-Dichloropropene			<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23	<0.23
Diisopropyl ether			<0.50	<0.50
Ethylbenzene	700	140	<0.50	<0.50
Hexachloro-1,3-butadiene			<2.1	<2.1
Isopropylbenzene			<0.12	<0.12
p-Isopropyltoluene			<0.50	<0.50
Methylene Chloride	5	0.5	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<0.17	<0.17
Naphthalene	100	10	<2.5	<2.5
n-Propylbenzene			<0.50	<0.50
Styrene	100	10	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25	<0.25
Tetrachloroethylene	5	0.5	<b>137</b>	<b>29.8</b>
Toluene	800	160	<0.50	<0.50
1,2,3-Trichlorobenzene			<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16	<0.16
Trichloroethylene	5	0.5	<b>26.1</b>	<b>4.6</b>
Trichlorofluoromethane	3,490	698	<0.17	<0.17
1,2,3-Trichloropropane	60	12	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.18
Total Xylenes	2,000	400	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2q**  
**MW2r Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	MW2r	
			4/28/16	7/5/17
<b>Detected VOC's (ug/L)</b>				
Benzene	5	0.5	<0.50	<0.50
Bromobenzene			<0.23	<0.23
Bromochloromethane			<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.50	<0.50
Bromoform	4.4	0.44	<0.50	<0.50
Bromomethane	10	1	<2.4	<2.4
n-Butylbenzene			<0.50	<0.50
sec-Butylbenzene			<2.2	<2.2
tert-Butylbenzene			<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.50	<0.50
Chlorobenzene			<0.50	<0.50
Chloroethane	400	80	<0.37	<0.37
Chloroform	6	0.6	<2.5	<2.5
Chloromethane	30	3	<0.50	<0.50
2-Chlorotoluene			<0.50	<0.50
4-Chlorotoluene			<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<2.2
Dibromochloromethane	60	6	<0.32	<0.32
1,2-Dibromoethane	0.05	0.005	<0.16	<0.16
Dibromomethane			<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.16	<0.16
1,1-Dichloroethane	850	85	<0.18	<0.18
1,2-Dichloroethane	5	0.5	<0.18	<0.18
1,1-Dichloroethene	7	0.7	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	<0.26	<0.26
trans-1,2-Dichloroethene	100	20	<0.26	<0.26
1,2-Dichloropropane	5	0.5	<0.23	<0.23
1,3-Dichloropropane			<0.50	<0.50
2,2-Dichloropropane			<0.48	<0.48
1,1-Dichloropropene			<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23	<0.23
Diisopropyl ether			<0.50	<0.50
Ethylbenzene	700	140	<0.50	<0.50
Hexachloro-1,3-butadiene			<2.1	<2.1
Isopropylbenzene			<0.12	<0.12
p-Isopropyltoluene			<0.50	<0.50
Methylene Chloride	5	0.5	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<0.17	<0.17
Naphthalene	100	10	<2.5	<2.5
n-Propylbenzene			<0.50	<0.50
Styrene	100	10	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25	<0.25
Tetrachloroethylene	5	0.5	<b>5.0</b>	<0.50
Toluene	800	160	<0.50	<0.50
1,2,3-Trichlorobenzene			<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16	<0.16
Trichloroethylene	5	0.5	<0.33	<0.33
Trichlorofluoromethane	3,490	698	<0.17	<0.17
1,2,3-Trichloropropane	60	12	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.18
Total Xylenes	2,000	400	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2r**  
**CPZ9 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ9 7/5/17
<b>Detected VOC's (ug/L)</b>			
Benzene	5	0.5	<0.50
Bromobenzene			<0.23
Bromochloromethane			<0.34
Bromodichloromethane	0.6	0.06	<0.50
Bromoform	4.4	0.44	<0.50
Bromomethane	10	1	<2.4
n-Butylbenzene			<0.50
sec-Butylbenzene			<2.2
tert-Butylbenzene			<0.18
Carbon Tetrachloride	5	0.5	<0.50
Chlorobenzene			<0.50
Chloroethane	400	80	<0.37
Chloroform	6	0.6	<2.5
Chloromethane	30	3	<0.50
2-Chlorotoluene			<0.50
4-Chlorotoluene			<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2
Dibromochloromethane	60	6	<0.32
1,2-Dibromoethane	0.05	0.005	<0.16
Dibromomethane			<0.43
1,2-Dichlorobenzene	600	60	<0.50
1,3-Dichlorobenzene	600	120	<0.50
1,4-Dichlorobenzene	75	15	<0.50
Dichlorodifluoromethane	1,000	200	<0.16
1,1-Dichloroethane	850	85	<0.18
1,2-Dichloroethane	5	0.5	<0.18
1,1-Dichloroethene	7	0.7	<0.17
cis-1,2-Dichloroethene	70	7	<0.26
trans-1,2-Dichloroethene	100	20	<0.26
1,2-Dichloropropane	5	0.5	<0.23
1,3-Dichloropropane			<0.50
2,2-Dichloropropane			<0.48
1,1-Dichloropropene			<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23
Diisopropyl ether			<0.50
Ethylbenzene	700	140	<0.50
Hexachloro-1,3-butadiene			<2.1
Isopropylbenzene			<0.12
p-Isopropyltoluene			<0.50
Methylene Chloride	5	0.5	<0.23
Methyl t-Butyl Ether	60	12	<0.17
Naphthalene	100	10	<2.5
n-Propylbenzene			<0.50
Styrene	100	10	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25
Tetrachloroethylene	5	0.5	1.9
Toluene	800	160	<0.50
1,2,3-Trichlorobenzene			<2.1
1,2,4-Trichlorobenzene	70	14	<2.2
1,1,1-Trichloroethane	200	40	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16
Trichloroethylene	5	0.5	0.49j
Trichlorofluoromethane	3,490	698	<0.17
1,2,3-Trichloropropane	60	12	<0.50
Total Trimethylbenzenes	480	96	<1
Vinyl Chloride	0.2	0.02	<0.18
Total Xylenes	2,000	400	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2s**  
**CPZ10 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ10 7/5/17
<b>Detected VOC's (ug/L)</b>			
Benzene	5	0.5	<0.50
Bromobenzene			<0.23
Bromochloromethane			<0.34
Bromodichloromethane	0.6	0.06	<0.50
Bromoform	4.4	0.44	<0.50
Bromomethane	10	1	<2.4
n-Butylbenzene			<0.50
sec-Butylbenzene			<2.2
tert-Butylbenzene			<0.18
Carbon Tetrachloride	5	0.5	<0.50
Chlorobenzene			<0.50
Chloroethane	400	80	<0.37
Chloroform	6	0.6	<2.5
Chloromethane	30	3	<0.50
2-Chlorotoluene			<0.50
4-Chlorotoluene			<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2
Dibromochloromethane	60	6	<0.32
1,2-Dibromoethane	0.05	0.005	<0.16
Dibromomethane			<0.43
1,2-Dichlorobenzene	600	60	<0.50
1,3-Dichlorobenzene	600	120	<0.50
1,4-Dichlorobenzene	75	15	<0.50
Dichlorodifluoromethane	1,000	200	<0.16
1,1-Dichloroethane	850	85	<0.18
1,2-Dichloroethane	5	0.5	<0.18
1,1-Dichloroethene	7	0.7	<0.17
cis-1,2-Dichloroethene	70	7	0.48j
trans-1,2-Dichloroethene	100	20	<0.26
1,2-Dichloropropane	5	0.5	<0.23
1,3-Dichloropropane			<0.50
2,2-Dichloropropane			<0.48
1,1-Dichloropropene			<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23
Diisopropyl ether			<0.50
Ethylbenzene	700	140	<0.50
Hexachloro-1,3-butadiene			<2.1
Isopropylbenzene			<0.12
p-Isopropyltoluene			<0.50
Methylene Chloride	5	0.5	<0.23
Methyl t-Butyl Ether	60	12	<0.17
Naphthalene	100	10	<2.5
n-Propylbenzene			<0.50
Styrene	100	10	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25
Tetrachloroethylene	5	0.5	<b>12.5</b>
Toluene	800	160	<0.50
1,2,3-Trichlorobenzene			<2.1
1,2,4-Trichlorobenzene	70	14	<2.2
1,1,1-Trichloroethane	200	40	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16
Trichloroethylene	5	0.5	<b>14.6</b>
Trichlorofluoromethane	3,490	698	<0.17
1,2,3-Trichloropropane	60	12	<0.50
Total Trimethylbenzenes	480	96	<1
Vinyl Chloride	0.2	0.02	<0.18
Total Xylenes	2,000	400	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2t**  
**CPZ11 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ11 7/5/17
<b>Detected VOC's (ug/L)</b>			
Benzene	5	0.5	0.55 <i>j</i>
Bromobenzene			<0.23
Bromochloromethane			<0.34
Bromodichloromethane	0.6	0.06	<0.50
Bromoform	4.4	0.44	<0.50
Bromomethane	10	1	<2.4
n-Butylbenzene			<0.50
sec-Butylbenzene			<2.2
tert-Butylbenzene			<0.18
Carbon Tetrachloride	5	0.5	<0.50
Chlorobenzene			<0.50
Chloroethane	400	80	<0.37
Chloroform	6	0.6	<2.5
Chloromethane	30	3	<0.50
2-Chlorotoluene			<0.50
4-Chlorotoluene			<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2
Dibromochloromethane	60	6	<0.32
1,2-Dibromoethane	0.05	0.005	<0.16
Dibromomethane			<0.43
1,2-Dichlorobenzene	600	60	<0.50
1,3-Dichlorobenzene	600	120	<0.50
1,4-Dichlorobenzene	75	15	<0.50
Dichlorodifluoromethane	1,000	200	<0.16
1,1-Dichloroethane	850	85	<0.18
1,2-Dichloroethane	5	0.5	<0.18
1,1-Dichloroethene	7	0.7	<0.17
cis-1,2-Dichloroethene	70	7	1.2
trans-1,2-Dichloroethene	100	20	<0.26
1,2-Dichloropropane	5	0.5	<0.23
1,3-Dichloropropane			<0.50
2,2-Dichloropropane			<0.48
1,1-Dichloropropene			<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23
Diisopropyl ether			<0.50
Ethylbenzene	700	140	<0.50
Hexachloro-1,3-butadiene			<2.1
Isopropylbenzene			0.30 <i>j</i>
p-Isopropyltoluene			<0.50
Methylene Chloride	5	0.5	<0.23
Methyl t-Butyl Ether	60	12	3.1
Naphthalene	100	10	<2.5
n-Propylbenzene			<0.50
Styrene	100	10	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25
Tetrachloroethylene	5	0.5	<b>14.3</b>
Toluene	800	160	<0.50
1,2,3-Trichlorobenzene			<2.1
1,2,4-Trichlorobenzene	70	14	<2.2
1,1,1-Trichloroethane	200	40	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16
Trichloroethylene	5	0.5	<b>17.8</b>
Trichlorofluoromethane	3,490	698	<0.17
1,2,3-Trichloropropane	60	12	<0.50
Total Trimethylbenzenes	480	96	<1
Vinyl Chloride	0.2	0.02	<0.18
Total Xylenes	2,000	400	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

*j* = Estimated Concentration Between Method Detection Limit and Reporting Limit

Table 3  
Groundwater Level Data  
Former Normington Dry Cleaners  
Wisconsin Rapids, WI

	PZ1	DPR A-PZ1	CPZ1	CPZ2	CPZ3	CPZ4r	CPZ5	CPZ6	PZWR2	PZWR3	MW2r	CZPZ7	CPZ8	CPZ9	CPZ10	CPZ11
Ground Surface Elevation	1027.27	1026.88	1027.15	1027.13	1027.20	1028.01	1028.03	1027.31	1027.13	1027.45	1028.03	1027.47	1027.71	1028.20	1028.08	1027.88
Top of Casing Elevation	1026.91	1026.47	1026.75	1026.66	1026.77	1027.53	1027.61	1026.76	1027.03	1026.71	1026.95	1027.18	1027.22	1027.68	1027.55	1027.37
Top of Screen Elevation	1001.90	997.72	996.47	996.88	1002.70	1003.16	997.71	991.47	979.98	996.71	996.95	997.36	997.41	998.16	1000.48	997.66
Bottom of Screen Elevation	996.90	992.72	991.47	991.88	997.70	998.16	992.71	986.47	974.98	991.71	991.95	992.36	992.41	993.16	995.48	992.66

Depth to Water (feet)

8/7/2002	14.27	15.14	15.80	14.66	13.98	14.75	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
9/24/2002	14.48	16.47	17.12	15.85	14.19	14.98	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
12/9/2003	14.58	15.49	16.13	15.07	14.28	15.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
2/12/2003	NM	NM	NM	NM	NM	NM	15.83	17.34	NI	NI	NI	NI	NI	NI	NI	NI
4/2/2003	15.19	Frozen	16.58	15.46	14.85	15.65	17.03	17.47	NI	NI	NI	NI	NI	NI	NI	NI
9/10/2013	NM	NM	16.40	14.89	13.94	Abandoned	16.71	17.16	16.02	14.11	NI	NI	NI	NI	NI	NI
3/5/2014	NM	NM	16.46	14.21	14.93	Abandoned	16.81	17.38	16.17	14.52	NI	NI	NI	NI	NI	NI
4/28/2016	13.64	NM	15.11	14.30	13.32	Abandoned	15.48	16.02	15.52	13.52	14.14	15.95	15.68	NI	NI	NI
7/5/2017	13.28	NM	15.44	14.26	12.99	Abandoned	15.45	16.76	14.79	13.19	13.77	16.13	15.02	17.15	16.72	16.72

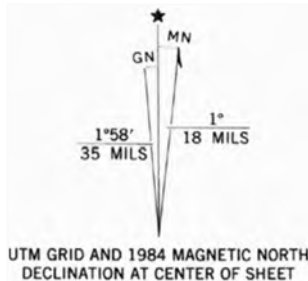
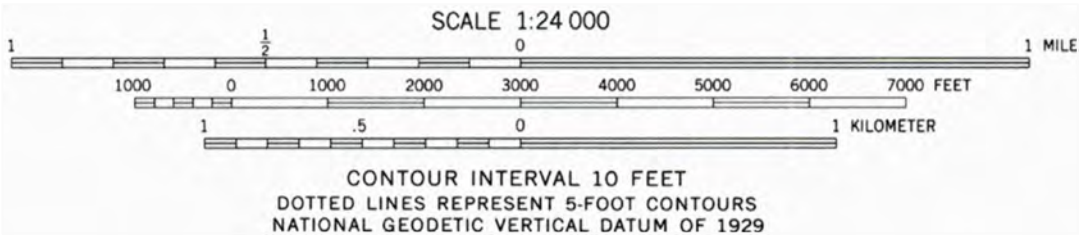
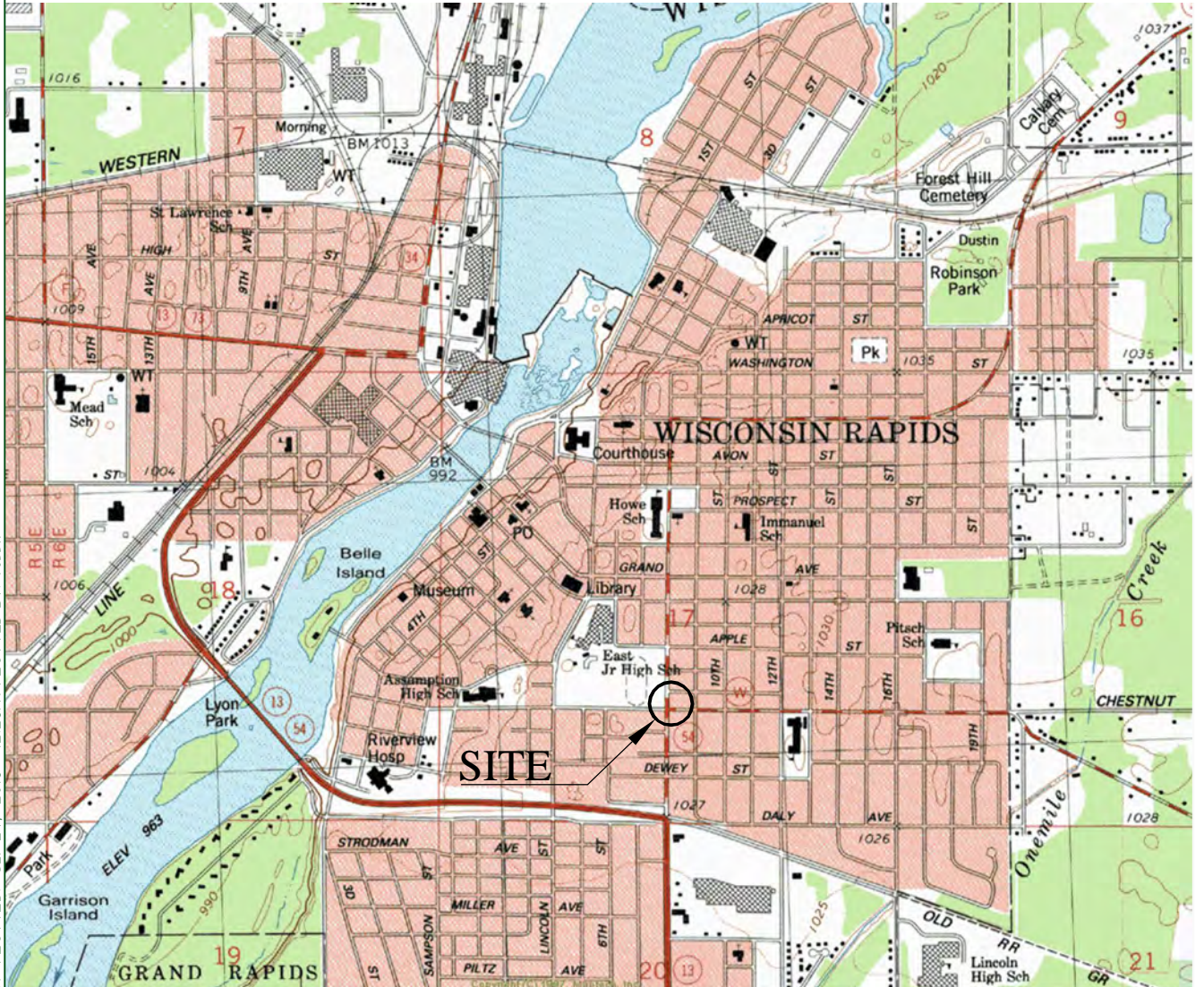
Groundwater Elevation

8/7/2002	1012.64	1011.33	1010.95	1012.00	1012.79	1012.78	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
9/24/2002	1012.43	1010.00	1009.63	1010.81	1012.58	1012.55	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
12/9/2003	1012.33	1010.98	1010.62	1011.59	1012.49	1012.48	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
2/12/2003	NM	NM	NM	NM	NM	NM	1010.93	1009.69	NI	NI	NI	NI	NI	NI	NI	NI
4/2/2003	1011.72	Frozen	1010.17	1011.20	1011.92	1011.88	1009.73	1009.56	NI	NI	NI	NI	NI	NI	NI	NI
9/10/2013	NM	NM	1010.35	1011.77	1012.83	Abandoned	1010.05	1009.87	1010.69	1012.84	NI	NI	NI	NI	NI	NI
3/5/2014	NM	NM	1010.29	1012.45	1011.84	Abandoned	1009.95	1009.65	1010.54	1012.43	NI	NI	NI	NI	NI	NI
4/28/2016	1013.27	NM	1011.64	1012.36	1013.45	Abandoned	1011.28	1011.01	1011.19	1013.43	1013.42	1011.23	1011.54	NI	NI	NI
7/5/2017	1013.63	NM	1011.31	1012.40	1013.78	Abandoned	1011.08	1010.27	1011.92	1013.76	1013.79	1011.05	1012.20	1010.53	1010.83	1010.65

NM = Not Measured

NI = Not Installed

DRAWING FILE: P:\1900-1999\1933A-NORMINGTON\DWG\1933-VICN.DWG LAYOUT: VICN PLOTTED: SEP 24, 2013 - 12:23PM PLOTTED BY: TODDY



**WISCONSIN RAPIDS NORTH, WIS.**  
 NE/4 WISCONSIN RAPIDS 15' QUADRANGLE  
 44089-D7-TF-024

1984

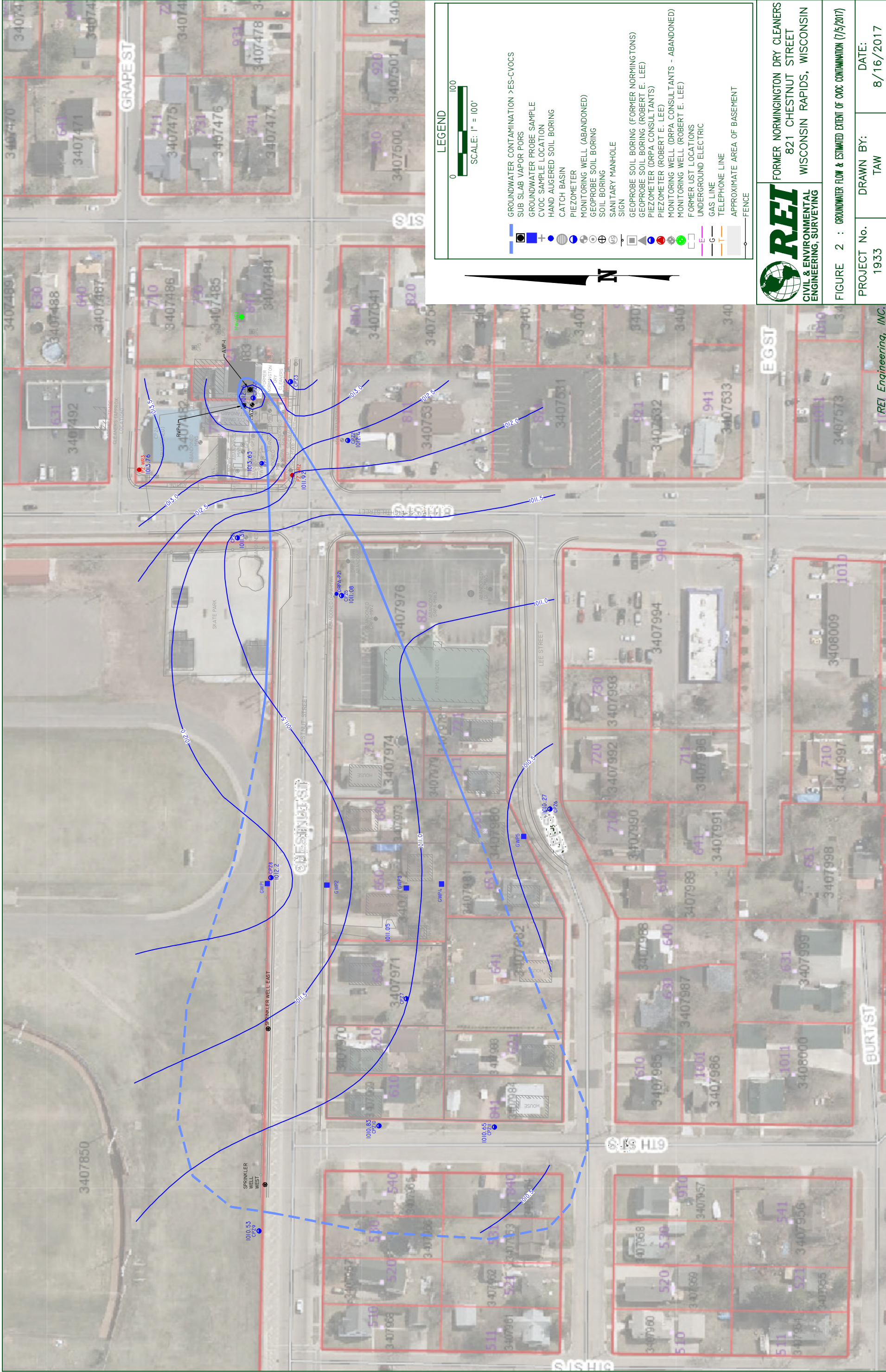
REI Engineering, INC.

FORMER NORMINGTON DRY CLEANERS  
 821 CHESTNUT STREET  
 WISCONSIN RAPIDS, WISCONSIN

FIGURE 1 : SITE VICINITY MAP

PROJECT NO.	1933	DRAWN BY:	TAW	DATE:	9/23/2013
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**LEGEND**

SCALE: 1" = 100'

0 100

- GROUNDWATER CONTAMINATION >ES-CVOCs
- SUB SLAB VAPOR PORS
- GROUNDWATER PROBE SAMPLE
- CVOC SAMPLE LOCATION
- HAND AUGERED SOIL BORING
- CATCH BASIN
- PIEZOMETER
- MONITORING WELL (ABANDONED)
- GEOPROBE SOIL BORING
- SOIL BORING
- SANITARY MANHOLE
- SIGN
- GEOPROBE SOIL BORING (FORMER NORWINGTONS)
- GEOPROBE SOIL BORING (ROBERT E. LEE)
- PIEZOMETER (ORPA CONSULTANTS)
- PIEZOMETER (ROBERT E. LEE)
- MONITORING WELL (ORPA CONSULTANTS - ABANDONED)
- MONITORING WELL (ROBERT E. LEE)
- FORMER UST LOCATIONS
- UNDERGROUND ELECTRIC
- GAS LINE
- TELEPHONE LINE
- APPROXIMATE AREA OF BASEMENT
- FENCE

**REI**  
**CIVIL & ENVIRONMENTAL**  
**ENGINEERING, SURVEYING**

FORMER NORWINGTON DRY CLEANERS  
 821 CHESTNUT STREET  
 WISCONSIN RAPIDS, WISCONSIN

FIGURE 2 : GROUNDWATER FLOW & ESTIMATED EXTENT OF CVOC CONTAMINATION (7/5/2017)

PROJECT No. 1933	DRAWN BY: TAW	DATE: 8/16/2017
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Figure 3a - CVOC Concentration vs. Groundwater Elevation and Time at PZWR2

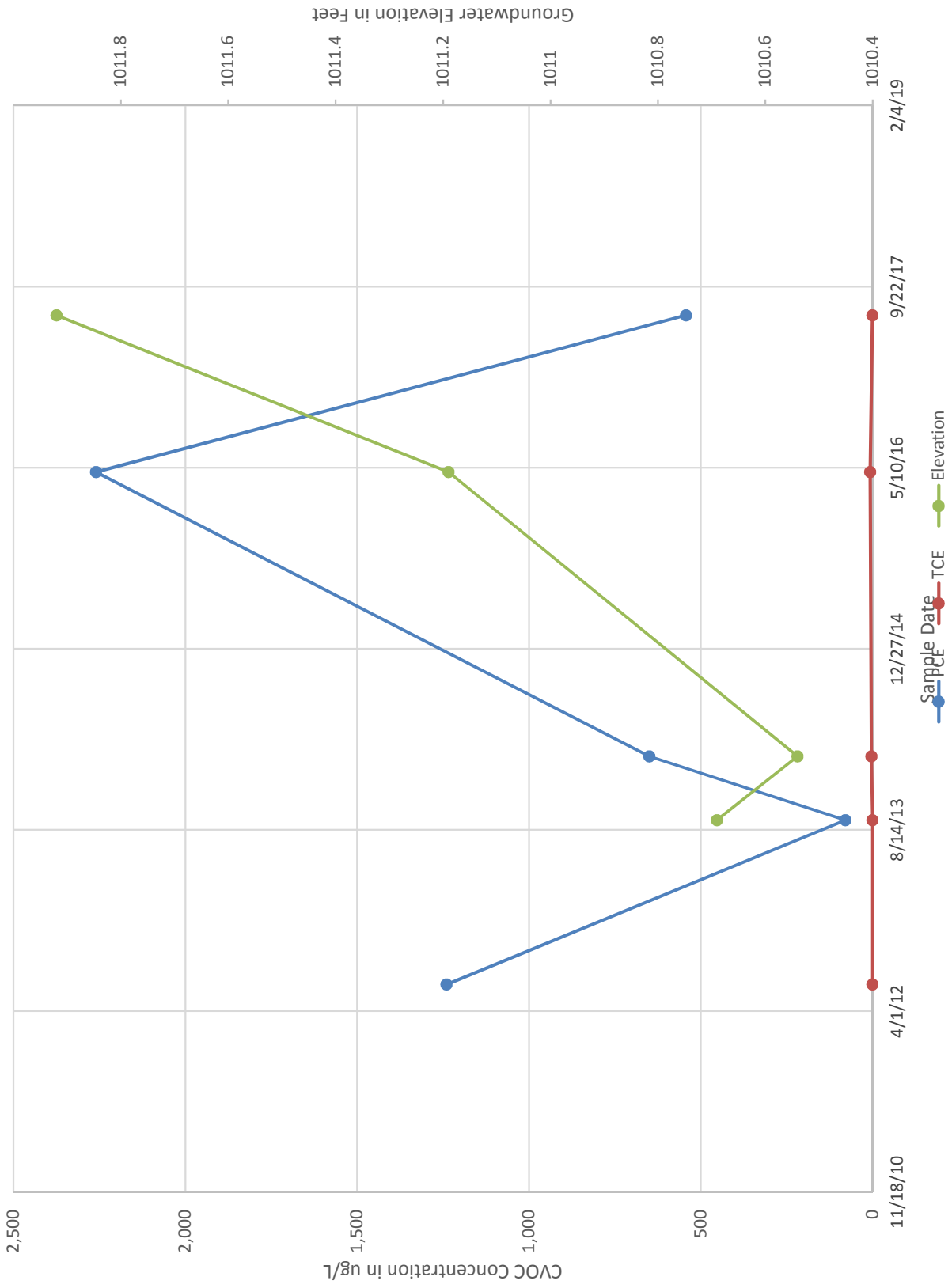
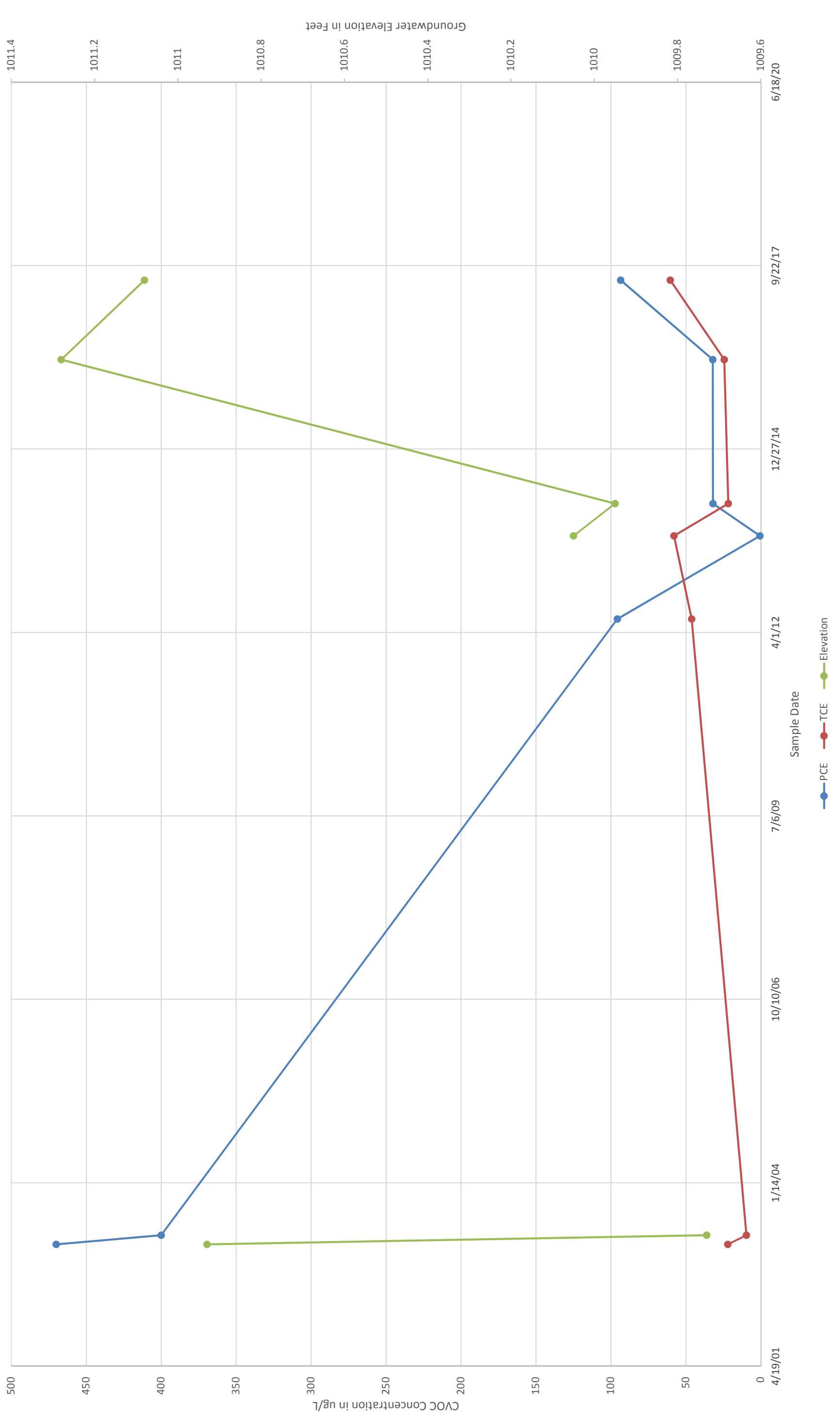


Figure 3b - CVOC Concentration vs. Groundwater Elevation and Time at CPZ5



## **APPENDIX A**

# **SOIL BORING LOGS, WELL CONSTRUCTION AND DEVELOPMENT FORMS**

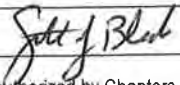


Route To:  Watershed/Wastewater  Waste Management   
 Remediation/Redevelopment  Other

Facility/Project Name Former Normington Dry Cleaners		License/Permit/Monitoring Number BRTS #02-72-257528		Boring Number CPZ10	
Boring Drilled By: Name of crew chief (first, last) and Firm Darrin - Geiss Soil & Samples			Date Drilling Started 6/27/2017	Date Drilling Completed 6/27/2017	Drilling Method 4.25" ID HSA
WI Unique Well No.	DNR Well ID No.	Common Well Name CPZ10	Final Static Water Level	Surface Elevation 0	Borehole Diameter 8" 'Z10
Local Grid Origin <input type="checkbox"/> (estimated) <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/> CPZ10			Lat	Local Grid Location N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>	
Facility ID		County Wood	County Code 72	Civil Town/City/or Village Wisconsin Rapids	

Sample				Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties					RQD/ Comments	
Number	Type	Length Att. & Recovered (in)	Compressive Strength								Moisture Content	Liquid Limit	Plasticity Index	P 200			
					1	Blind Drill to 35'											
					2												
					3												
					4												
					5												
					6												
					7												
					8												
					9												
					10												
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					28												
					29												
					30												
					31												
					32												
					33												
					34												
					35												
					36												
						End of Boring, PZ set at 35'											

I hereby certify that the information on this form is true and the correct to the best of my knowledge

Signature  Firm REI Engineering, Inc.  
4080 North 20th Avenue, Wausau, WI

This form is authorized by Chapters 281,283,289,292,293,295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name Former Normington Dry Cleaners		License/Permit/Monitoring Number BRRS #02-72-257528		Boring Number CPZ11	
Boring Drilled By: Name of crew chief (first, last) and Firm Darrin - Geiss Soil & Samples			Date Drilling Started 6/27/2017	Date Drilling Completed 6/27/2017	Drilling Method 4.25" ID HSA
WI Unique Well No.	DNR Well ID No.	Common Well Name CPZ11	Final Static Water Level	Surface Elevation 0	Borehole Diameter 8" 'Z11
Local Grid Origin <input type="checkbox"/> (estimated) <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/> PZ11			Lat	Local Grid Location N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>	
State Plane		Long			
Facility ID		County Wood	County Code 72	Civil Town/City/or Village Wisconsin Rapids	

Sample				Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties					RQD/ Comments
Number	Type	Length Att. & Recovered (in)	Blow Counts							Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
				1	Blind Drill to 35'										
				2											
				3											
				4											
				5											
				6											
				7											
				8											
				9											
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				29											
				30											
				31											
				32											
				33											
				34											
				35											
				36											
					End of Boring, PZ set at 35'										

I hereby certify that the information on this form is true and the correct to the best of my knowledge

Signature  Firm REI Engineering, Inc.  
4080 North 20th Avenue, Wausau, WI

This form is authorized by Chapters 281,283,289,292,293,295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To:  Watershed/Wastewater  Waste Management   
 Remediation/Redevelopment  Other

Facility/Project Name Former Normington Dry Cleaners		License/Permit/Monitoring Number BRRS #02-72-257528		Boring Number CPZ9	
Boring Drilled By: Name of crew chief (first, last) and Firm Darrin - Geiss Soil & Samples			Date Drilling Started 6/27/2017	Date Drilling Completed 6/27/2017	Drilling Method 4.25" ID HSA
WI Unique Well No.	DNR Well ID No.	Common Well Name CPZ9	Final Static Water Level	Surface Elevation 0	Borehole Diameter 8" '99
Local Grid Origin <input type="checkbox"/> (estimated) <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/> CPZ9			Lat	Local Grid Location N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>	
Facility ID		County Wood	County Code 72	Civil Town/City/or Village Wisconsin Rapids	

Sample			Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties					RQD/ Comments
Number	Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
				1	Blind Drill to 35'										
				2											
				3											
				4											
				5											
				6											
				7											
				8											
				9											
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				29											
				30											
				31											
				32											
				33											
				34											
				35											
				36	End of Boring, PZ set at 35'										

I hereby certify that the information on this form is true and the correct to the best of my knowledge

Signature *John J. Blah* Firm REI Engineering, Inc.  
4080 North 20th Avenue, Wausau, WI

This form is authorized by Chapters 281,283,289,292,293,295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Facility/Project Name: F. Normington Dry Cleaners  
 Local Grid Location of Well: \_\_\_\_\_ ft.  N. \_\_\_\_\_ ft.  E. \_\_\_\_\_ ft.  S. \_\_\_\_\_ ft.  W.  
 Well Name: \_\_\_\_\_  
 Facility License, Permit or Monitoring No.: \_\_\_\_\_  
 Local Grid Origin  (estimated: ) or Well Location   
 Lat. \_\_\_\_\_ " or \_\_\_\_\_ " or \_\_\_\_\_ "  
 Long. \_\_\_\_\_ " or \_\_\_\_\_ " or \_\_\_\_\_ "  
 Date Well Installed: 06/27/2017  
 m m d d y y v v y y  
 Well Installed By: Name (first, last) and Firm  
Darrin Prentice  
Geiss Soil + Samples LLC  
 Facility ID: \_\_\_\_\_  
 St. Plane \_\_\_\_\_ ft. N. \_\_\_\_\_ ft. E. S/C/N  
 Section Location of Waste/Source  
 1/4 of \_\_\_\_\_ 1/4 of Sec. \_\_\_\_\_ T. \_\_\_\_\_ N. R.  E  W  
 Type of Well  
 Well Code 11 / MW  
 Location of Well Relative to Waste/Source  
 u  Upgradient s  Sidegradient  
 d  Downgradient n  Not Known  
 Gov. Lot Number \_\_\_\_\_  
 Distance from Waste/Source \_\_\_\_\_ ft.  
 Enf. Stds. Apply

A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL  
 B. Well casing, top elevation \_\_\_\_\_ ft. MSL  
 C. Land surface elevation \_\_\_\_\_ ft. MSL  
 D. Surface seal, bottom \_\_\_\_\_ ft. MSL or 0 ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

13. Sieve analysis performed?  Yes  No  
 14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
 Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99  
 16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_  
 17. Source of water (attach analysis, if required): \_\_\_\_\_

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or 1 ft.  
 F. Fine sand, top \_\_\_\_\_ ft. MSL or 1 ft.  
 G. Filter pack, top \_\_\_\_\_ ft. MSL or 28 ft.  
 H. Screen joint, top \_\_\_\_\_ ft. MSL or 30 ft.  
 I. Well bottom \_\_\_\_\_ ft. MSL or 35 ft.  
 J. Filter pack, bottom \_\_\_\_\_ ft. MSL or 36 ft.  
 K. Borehole, bottom \_\_\_\_\_ ft. MSL or 36 ft.  
 L. Borehole, diameter 8.25 in.  
 M. O.D. well casing 2.40 in.  
 N. I.D. well casing 2.06 in.

1. Cap and lock?  Yes  No  
 2. Protective cover pipe:  
 a. Inside diameter: \_\_\_\_\_ in.  
 b. Length: \_\_\_\_\_ ft.  
 c. Material: Steel  04  
 Other   
 d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_  
 3. Surface seal:  
 Bentonite  30  
 Concrete  01  
 Other   
 4. Material between well casing and protective pipe:  
 Bentonite  30  
 Other   
 5. Annular space seal:  
 a. Granular/Chipped Bentonite  33  
 b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35  
 c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31  
 d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08  
 6. Bentonite seal:  
 a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c. Other   
 7. Fine sand material: Manufacturer, product name & mesh size  
 a. #15 Red Flint  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>  
 8. Filter pack material: Manufacturer, product name & mesh size  
 a. #40 Red Flint  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>  
 9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other   
 10. Screen material: PVC  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other   
 b. Manufacturer Johnson  
 c. Slot size: \_\_\_\_\_ 0.010 in.  
 d. Slotted length: \_\_\_\_\_ 5 ft.  
 11. Backfill material (below filter pack): None  14  
 Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
 Signature: Darrin Prentice Firm: Geiss Soil + Samples LLC

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.



Facility/Project Name: F. Normington Dry Cleaners  
 Local Grid Location of Well: \_\_\_\_\_ ft.  N. \_\_\_\_\_ ft.  E. \_\_\_\_\_ ft.  S. \_\_\_\_\_ ft.  W.  
 Local Grid Origin (estimated: ) or Well Location: \_\_\_\_\_  
 Lat. \_\_\_\_\_ Long. \_\_\_\_\_  
 Facility License, Permit or Monitoring No. \_\_\_\_\_  
 St. Plane \_\_\_\_\_ ft. N. \_\_\_\_\_ ft. E. S/C/N \_\_\_\_\_  
 Section Location of Waste/Source: \_\_\_\_\_  
 1/4 of \_\_\_\_\_ 1/4 of Sec. \_\_\_\_\_ T. \_\_\_\_\_ N. R. \_\_\_\_\_  
 Facility ID \_\_\_\_\_  
 Type of Well: \_\_\_\_\_  
 Well Code: 11, MW  
 Location of Well Relative to Waste/Source:  u Upgradient  s Sidegradient  d Downgradient  n Not Known  
 Gov. Lot Number \_\_\_\_\_  
 Distance from Waste/Source \_\_\_\_\_ ft. Enf. Stds. Apply   
 Well Name: \_\_\_\_\_  
 Wis. Unique Well No. \_\_\_\_\_ DNR Well ID No. \_\_\_\_\_  
 Date Well Installed: 06/27/2017  
 Well Installed By: Name (first, last) and Firm: Darrin Prentice  
Geiss Soil + Samples LLC

A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL  
 B. Well casing, top elevation \_\_\_\_\_ ft. MSL  
 C. Land surface elevation \_\_\_\_\_ ft. MSL  
 D. Surface seal, bottom \_\_\_\_\_ ft. MSL or 0 ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

13. Sieve analysis performed?  Yes  No  
 14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
 Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99  
 16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_  
 17. Source of water (attach analysis, if required): \_\_\_\_\_

1. Cap and lock?  Yes  No  
 2. Protective cover pipe:  
 a. Inside diameter: 8 in.  
 b. Length: 1 ft.  
 c. Material: Steel  04  
 Other   
 d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_  
 3. Surface seal:  
 Bentonite  30  
 Concrete  01  
 Other   
 4. Material between well casing and protective pipe:  
 Bentonite  30  
 Other   
 5. Annular space seal:  
 a. Granular/Chipped Bentonite  33  
 b. \_\_\_\_\_ Lbs/gal mud weight... Bentonite-sand slurry  35  
 c. \_\_\_\_\_ Lbs/gal mud weight... Bentonite slurry  31  
 d. \_\_\_\_\_ % Bentonite... Bentonite-cement grout  50  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08  
 6. Bentonite seal:  
 a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c. Other   
 7. Fine sand material: Manufacturer, product name & mesh size  
 a. #15 Red Flint  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>  
 8. Filter pack material: Manufacturer, product name & mesh size  
 a. #40 Red Flint  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>  
 9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other   
 10. Screen material: PVC  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other   
 b. Manufacturer Johnson  
 c. Slot size: 0.110 in.  
 d. Slotted length: 5 ft.  
 11. Backfill material (below filter pack): None  14  
 Other

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or 1 ft.  
 F. Fine sand, top \_\_\_\_\_ ft. MSL or 1 ft.  
 G. Filter pack, top \_\_\_\_\_ ft. MSL or 26 ft.  
 H. Screen joint, top \_\_\_\_\_ ft. MSL or 28 ft.  
 I. Well bottom \_\_\_\_\_ ft. MSL or 33 ft.  
 J. Filter pack, bottom \_\_\_\_\_ ft. MSL or 36 ft.  
 K. Borehole, bottom \_\_\_\_\_ ft. MSL or 36 ft.  
 L. Borehole, diameter 8.25 in.  
 M. O.D. well casing 2.40 in.  
 N. I.D. well casing 2.06 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Darrin Prentice Firm: Geiss Soil + Samples LLC

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name: **F. Normington Dry Cleaners**

Local Grid Location of Well: \_\_\_\_\_ ft.  N.  E.  S.  W.

Well Name: \_\_\_\_\_

Facility License, Permit or Monitoring No.: \_\_\_\_\_

Local Grid Origin (estimated: ) or Well Location

Wis. Unique Well No. \_\_\_\_\_ DNR Well ID No. \_\_\_\_\_

Lat. \_\_\_\_\_ " Long. \_\_\_\_\_ " or \_\_\_\_\_

Facility ID: \_\_\_\_\_

St. Plane \_\_\_\_\_ ft. N. \_\_\_\_\_ ft. E. S/C/N \_\_\_\_\_

Date Well Installed: **06/27/2017**

Type of Well: \_\_\_\_\_

Section Location of Waste/Source: \_\_\_\_\_

Well Installed By: Name (first, last) and Firm: **Darrin Prentice**

Well Code: **11 / MW**

1/4 of \_\_\_\_\_ 1/4 of Sec. \_\_\_\_\_ T. \_\_\_\_\_ N, R.  E  W

Distance from Waste/Source \_\_\_\_\_ ft. Enf. Stds. Apply

Location of Well Relative to Waste/Source: u  Upgradient s  Sidegradient

Gov. Lot Number: \_\_\_\_\_

Source: \_\_\_\_\_ d  Downgradient n  Not Known

**Beiss Soil + Samples LLC**

A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL

B. Well casing, top elevation \_\_\_\_\_ ft. MSL

C. Land surface elevation \_\_\_\_\_ ft. MSL

D. Surface seal, bottom \_\_\_\_\_ ft. MSL or **0** ft.

12. USCS classification of soil near screen:  
GP  GM  GC  GW  SW  SP   
SM  SC  ML  MH  CL  CH   
Bedrock

13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
Hollow Stem Auger  41  
Other

15. Drilling fluid used: Water  02 Air  01  
Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No

Describe \_\_\_\_\_

17. Source of water (attach analysis, if required): \_\_\_\_\_

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or **1** ft.

F. Fine sand, top \_\_\_\_\_ ft. MSL or **1** ft.

G. Filter pack, top \_\_\_\_\_ ft. MSL or **28** ft.

H. Screen joint, top \_\_\_\_\_ ft. MSL or **30** ft.

I. Well bottom \_\_\_\_\_ ft. MSL or **35** ft.

J. Filter pack, bottom \_\_\_\_\_ ft. MSL or **36** ft.

K. Borehole, bottom \_\_\_\_\_ ft. MSL or **36** ft.

L. Borehole, diameter **8.25** in.

M. O.D. well casing **2.40** in.

N. I.D. well casing **2.06** in.

1. Cap and lock?  Yes  No

2. Protective cover pipe:  
a. Inside diameter: **8** in.  
b. Length: **1** ft.  
c. Material: Steel  04  
Other

d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_

3. Surface seal:  
Bentonite  30  
Concrete  01  
Other

4. Material between well casing and protective pipe:  
Bentonite  30  
Other

5. Annular space seal:  
a. Granular/Chipped Bentonite  33  
b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35  
c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31  
d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50  
e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
f. How installed: Tremie  01  
Tremie pumped  02  
Gravity  08

6. Bentonite seal:  
a. Bentonite granules  33  
b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
c. \_\_\_\_\_ Other

7. Fine sand material: Manufacturer, product name & mesh size  
a. **#15 Red Flint**

b. Volume added \_\_\_\_\_ ft<sup>3</sup>

8. Filter pack material: Manufacturer, product name & mesh size  
a. **#40 Red Flint**

b. Volume added \_\_\_\_\_ ft<sup>3</sup>

9. Well casing: Flush threaded PVC schedule 40  23  
Flush threaded PVC schedule 80  24  
Other

10. Screen material: **PVC**

a. Screen type: Factory cut  11  
Continuous slot  01  
Other

b. Manufacturer **Johnson**

c. Slot size: **0.010** in.

d. Slotted length: **5** ft.

11. Backfill material (below filter pack): None  14  
Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: **Darrin Prentice** Firm: **Beiss Soil + Samples LLC**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name Former Normington Dry Cleaners	County Name Wood	Well Name CPZ-9
Facility Licence, Permit or Monitoring Number BRRS# 02-72-257528	County Code 72	Wis. Unique Well Number
		DNR Well Number

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other \_\_\_\_\_

3. Time spent developing well 20 min.

4. Depth of well (from top of Casing) 34.52 ft.

5. Inside diameter of well 1.9 in.

6. Volume of water in filter pack and well casing 4.4 gal.

7. Volume of water removed from well 30 gal.

8. Volume of water added (If any) gal.

9. Source of water added \_\_\_\_\_

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 17.15 ft.	17.7 ft.
Data mm/dd/yy	b. 7/5/17	7/5/17
Time	c. 10:50 <input type="checkbox"/> p.m. <input checked="" type="checkbox"/> a.m.	11:10 <input type="checkbox"/> p.m. <input checked="" type="checkbox"/> a.m.
12. Sediment in well bottom	0.84 inches	0 inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) turbid	Clear <input checked="" type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe) slightly turbid-mostly clear
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

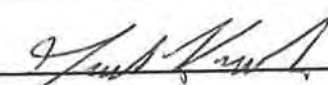
16. Additional comments on development:

Well developed by: Person's Name and Firm

Name: Jed Kosch

Firm: REI Engineering, Inc.  
4020 N 20th Ave.  
Wausau, WI 54401

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: 

Print Initials: ---

Firm: REI Engineering, Inc.

Facility/Project Name Former Normington Dry Cleaners	County Name Wood	Well Name CPZ-10
Facility Licence, Permit or Monitoring Number BRRTS# 02-72-257528	County Code 72	Wis. Unique Well Number
		DNR Well Number

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other \_\_\_\_\_

3. Time spent developing well 25 min.

4. Depth of well (from top of Casing) 32.07 ft.

5. Inside diameter of well 1.9 in.

6. Volume of water in filter pack and well casing 4.4 gal.

7. Volume of water removed from well 30 gal.

8. Volume of water added (if any) gal.

9. Source of water added \_\_\_\_\_

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 16.72 ft.	20.51 ft.
Data mm/dd/yy	b. 7/5/17	7/5/17
Time	c. 10:25 <input type="checkbox"/> p.m. <input checked="" type="checkbox"/> a.m.	10:50 <input type="checkbox"/> p.m. <input checked="" type="checkbox"/> a.m.
12. Sediment in well bottom	0.84 inches	0 inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) turbid	Clear <input checked="" type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe) slightly turbid-mostly clear
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l


16. Additional comments on development:

Well developed by: Person's Name and Firm

Name: Jed Kosch

Firm: REI Engineering, Inc.  
4020 N 20th Ave.  
Wausau, WI 54401

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: 

Print Initials: ---

Firm: REI Engineering, Inc.

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

Facility/Project Name Former Normington Dry Cleaners		County Name Wood		Well Name CPZ-11	
Facility Licence, Permit or Monitoring Number BRRTS# 02-72-257528		County Code 72	Wis. Unique Well Number		DNR Well Number

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other \_\_\_\_\_

3. Time spent developing well 30 min.

4. Depth of well (from top of Casing) 34.71 ft.

5. Inside diameter of well 1.9 in.

6. Volume of water in filter pack and well casing 4.4 gal.

7. Volume of water removed from well 30 gal.

8. Volume of water added (if any) gal.

9. Source of water added \_\_\_\_\_

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 16.72 ft.	27.48 ft.
Data mm/dd/yy	b. 7/5/17	7/5/17
Time	c. 9:55 <input type="checkbox"/> p.m. <input checked="" type="checkbox"/> a.m.	10:25 <input type="checkbox"/> p.m. <input checked="" type="checkbox"/> a.m.
12. Sediment in well bottom	1.08 inches	0 inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) turbid	Clear <input checked="" type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe) slightly turbid-mostly clear
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Additional comments on development:

Well developed by: Person's Name and Firm

Name: Jed Kosch

Firm: REI Engineering, Inc.  
4020 N 20th Ave.  
Wausau, WI 54401

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Initials: ---

Firm: REI Engineering, Inc.

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes

## **APPENDIX B**

### **DISPOSAL DOCUMENTATION**



**LINCOLN COUNTY LANDFILL 715-536-9636**

Site: N4750 Landfill Lane, Merrill, WI 54452

Mailing: 801 N Sales St, Ste 201, Merrill, WI 54452

**OPERATING HOURS:**

Monday-Friday

SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm

WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm

1st and 3rd Sat. 8:00 am - Noon

DATE: 6/28/2017  
Time In: 10:08 AM

TICKET #: 232074      Vehicle #:  
Time Out: 10:43 AM

BILL TO: R.E.I.  
HAULER : R.E.I.

JOB : 17 - 45 B - REI #1933 Pioneer Bank, WI Rapids

PO# : REI job #1933

\$23.00 ton exempt (CON31)      2.05 tn

Gross: 14480

Tare: 10380

Net Weight: 4100

Scale Notes:

Charge Transaction

HAVE A NICE DAY!

Customer Signature \_\_\_\_\_

Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.

# **ATTACHMENT C**

## **LABORATORY ANALYTICAL REPORT**





July 11, 2017

Andy Delforge  
REI  
4080 North 20th Avenue  
Wausau, WI 54401

RE: Project: 1933B NORMINGTON  
Pace Project No.: 40152864

Dear Andy Delforge:

Enclosed are the analytical results for sample(s) received by the laboratory on July 07, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten  
brian.basten@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 1933B NORMINGTON

Pace Project No.: 40152864

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40152864001	MWWR1	Water	07/05/17 13:00	07/07/17 08:45
40152864002	MW2R	Water	07/05/17 14:40	07/07/17 08:45
40152864003	PZ1	Water	07/05/17 14:20	07/07/17 08:45
40152864004	PZWR2	Water	07/05/17 16:20	07/07/17 08:45
40152864005	PZWR3	Water	07/05/17 13:40	07/07/17 08:45
40152864006	CPZ1	Water	07/05/17 14:00	07/07/17 08:45
40152864007	CPZ2	Water	07/05/17 12:00	07/07/17 08:45
40152864008	CPZ3	Water	07/05/17 13:20	07/07/17 08:45
40152864009	CPZ4R	Water	07/05/17 15:40	07/07/17 08:45
40152864010	CPZ5	Water	07/05/17 15:20	07/07/17 08:45
40152864011	CPZ6	Water	07/05/17 11:40	07/07/17 08:45
40152864012	CPZ7	Water	07/05/17 15:00	07/07/17 08:45
40152864013	CPZ8	Water	07/05/17 16:00	07/07/17 08:45
40152864014	CPZ9	Water	07/05/17 11:10	07/07/17 08:45
40152864015	CPZ10	Water	07/05/17 10:50	07/07/17 08:45
40152864016	CPZ11	Water	07/05/17 10:20	07/07/17 08:45

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 1933B NORMINGTON

Pace Project No.: 40152864

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40152864001	MWWR1	EPA 8260	MDS	64	PASI-G
40152864002	MW2R	EPA 8260	MDS	64	PASI-G
40152864003	PZ1	EPA 8260	MDS	64	PASI-G
40152864004	PZWR2	EPA 8260	MDS	64	PASI-G
40152864005	PZWR3	EPA 8260	MDS	64	PASI-G
40152864006	CPZ1	EPA 8260	MDS	64	PASI-G
40152864007	CPZ2	EPA 8260	MDS	64	PASI-G
40152864008	CPZ3	EPA 8260	MDS	64	PASI-G
40152864009	CPZ4R	EPA 8260	MDS	64	PASI-G
40152864010	CPZ5	EPA 8260	MDS	64	PASI-G
40152864011	CPZ6	EPA 8260	MDS	64	PASI-G
40152864012	CPZ7	EPA 8260	MDS	64	PASI-G
40152864013	CPZ8	EPA 8260	MDS	64	PASI-G
40152864014	CPZ9	EPA 8260	MDS	64	PASI-G
40152864015	CPZ10	EPA 8260	MDS	64	PASI-G
40152864016	CPZ11	EPA 8260	MDS	64	PASI-G

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: MWWR1**      **Lab ID: 40152864001**      Collected: 07/05/17 13:00      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/17 17:10	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/17 17:10	74-97-5	
Bromodichloromethane	3.2	ug/L	1.0	0.50	1		07/10/17 17:10	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/17 17:10	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 17:10	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/17 17:10	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/17 17:10	75-00-3	
Chloroform	37.1	ug/L	5.0	2.5	1		07/10/17 17:10	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/17 17:10	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/17 17:10	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/17 17:10	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/17 17:10	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/17 17:10	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/17 17:10	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/17 17:10	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/17 17:10	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 17:10	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 17:10	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/17 17:10	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/17 17:10	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/17 17:10	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/17 17:10	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/17 17:10	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/10/17 17:10	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/17 17:10	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/10/17 17:10	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/17 17:10	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/17 17:10	630-20-6	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: MWWR1**      **Lab ID: 40152864001**      Collected: 07/05/17 13:00      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 17:10	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/17 17:10	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 17:10	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 17:10	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/10/17 17:10	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 17:10	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 17:10	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 17:10	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:10	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	61-130		1		07/10/17 17:10	460-00-4	
Dibromofluoromethane (S)	106	%	67-130		1		07/10/17 17:10	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		07/10/17 17:10	2037-26-5	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: MW2R**      **Lab ID: 40152864002**      Collected: 07/05/17 14:40      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/17 17:32	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/17 17:32	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/17 17:32	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 17:32	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/17 17:32	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/17 17:32	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/10/17 17:32	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/17 17:32	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/17 17:32	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/17 17:32	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/17 17:32	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/17 17:32	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/17 17:32	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/17 17:32	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/17 17:32	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 17:32	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 17:32	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/17 17:32	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/17 17:32	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/17 17:32	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/17 17:32	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/17 17:32	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/10/17 17:32	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/17 17:32	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/10/17 17:32	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/17 17:32	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/17 17:32	630-20-6	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: MW2R**      **Lab ID: 40152864002**      Collected: 07/05/17 14:40      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 17:32	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/17 17:32	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 17:32	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 17:32	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/10/17 17:32	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 17:32	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 17:32	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 17:32	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:32	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	61-130		1		07/10/17 17:32	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		07/10/17 17:32	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		07/10/17 17:32	2037-26-5	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: PZ1**      **Lab ID: 40152864003**      Collected: 07/05/17 14:20      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/17 17:54	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/17 17:54	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/17 17:54	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 17:54	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/17 17:54	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/17 17:54	75-00-3	
Chloroform	5.4	ug/L	5.0	2.5	1		07/10/17 17:54	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/17 17:54	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/17 17:54	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/17 17:54	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/17 17:54	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/17 17:54	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/17 17:54	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/17 17:54	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/17 17:54	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 17:54	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 17:54	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/17 17:54	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/17 17:54	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/17 17:54	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/17 17:54	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/17 17:54	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/10/17 17:54	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/17 17:54	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/10/17 17:54	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/17 17:54	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/17 17:54	630-20-6	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: PZ1**      **Lab ID: 40152864003**      Collected: 07/05/17 14:20      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 17:54	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/17 17:54	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 17:54	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 17:54	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/10/17 17:54	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 17:54	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 17:54	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 17:54	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:54	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	61-130		1		07/10/17 17:54	460-00-4	
Dibromofluoromethane (S)	102	%	67-130		1		07/10/17 17:54	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		07/10/17 17:54	2037-26-5	

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## ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

Sample: PZWR2 Lab ID: 40152864004 Collected: 07/05/17 16:20 Received: 07/07/17 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		07/10/17 12:20	108-86-1	
Bromochloromethane	<1.7	ug/L	5.0	1.7	5		07/10/17 12:20	74-97-5	
Bromodichloromethane	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	75-27-4	
Bromoform	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	75-25-2	
Bromomethane	<12.2	ug/L	25.0	12.2	5		07/10/17 12:20	74-83-9	
n-Butylbenzene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	104-51-8	
sec-Butylbenzene	<10.9	ug/L	25.0	10.9	5		07/10/17 12:20	135-98-8	
tert-Butylbenzene	<0.90	ug/L	5.0	0.90	5		07/10/17 12:20	98-06-6	
Carbon tetrachloride	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	56-23-5	
Chlorobenzene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	108-90-7	
Chloroethane	<1.9	ug/L	5.0	1.9	5		07/10/17 12:20	75-00-3	
Chloroform	<12.5	ug/L	25.0	12.5	5		07/10/17 12:20	67-66-3	
Chloromethane	3.6J	ug/L	5.0	2.5	5		07/10/17 12:20	74-87-3	
2-Chlorotoluene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	95-49-8	
4-Chlorotoluene	<1.1	ug/L	5.0	1.1	5		07/10/17 12:20	106-43-4	
1,2-Dibromo-3-chloropropane	<10.8	ug/L	25.0	10.8	5		07/10/17 12:20	96-12-8	
Dibromochloromethane	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.89	ug/L	5.0	0.89	5		07/10/17 12:20	106-93-4	
Dibromomethane	<2.1	ug/L	5.0	2.1	5		07/10/17 12:20	74-95-3	
1,2-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	95-50-1	
1,3-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	541-73-1	
1,4-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	106-46-7	
Dichlorodifluoromethane	<1.1	ug/L	5.0	1.1	5		07/10/17 12:20	75-71-8	
1,1-Dichloroethane	<1.2	ug/L	5.0	1.2	5		07/10/17 12:20	75-34-3	
1,2-Dichloroethane	<0.84	ug/L	5.0	0.84	5		07/10/17 12:20	107-06-2	
1,1-Dichloroethene	<2.1	ug/L	5.0	2.1	5		07/10/17 12:20	75-35-4	
cis-1,2-Dichloroethene	<1.3	ug/L	5.0	1.3	5		07/10/17 12:20	156-59-2	
trans-1,2-Dichloroethene	<1.3	ug/L	5.0	1.3	5		07/10/17 12:20	156-60-5	
1,2-Dichloropropane	<1.2	ug/L	5.0	1.2	5		07/10/17 12:20	78-87-5	
1,3-Dichloropropane	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	142-28-9	
2,2-Dichloropropane	<2.4	ug/L	5.0	2.4	5		07/10/17 12:20	594-20-7	
1,1-Dichloropropene	<2.2	ug/L	5.0	2.2	5		07/10/17 12:20	563-58-6	
cis-1,3-Dichloropropene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	10061-01-5	
trans-1,3-Dichloropropene	<1.1	ug/L	5.0	1.1	5		07/10/17 12:20	10061-02-6	
Diisopropyl ether	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	108-20-3	
Ethylbenzene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	100-41-4	
Hexachloro-1,3-butadiene	<10.5	ug/L	25.0	10.5	5		07/10/17 12:20	87-68-3	
Isopropylbenzene (Cumene)	<0.72	ug/L	5.0	0.72	5		07/10/17 12:20	98-82-8	
p-Isopropyltoluene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	99-87-6	
Methylene Chloride	<1.2	ug/L	5.0	1.2	5		07/10/17 12:20	75-09-2	
Methyl-tert-butyl ether	<0.87	ug/L	5.0	0.87	5		07/10/17 12:20	1634-04-4	
Naphthalene	<12.5	ug/L	25.0	12.5	5		07/10/17 12:20	91-20-3	
n-Propylbenzene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	103-65-1	
Styrene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	100-42-5	
1,1,1,2-Tetrachloroethane	<0.90	ug/L	5.0	0.90	5		07/10/17 12:20	630-20-6	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: PZWR2**      **Lab ID: 40152864004**      Collected: 07/05/17 16:20      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<1.2	ug/L	5.0	1.2	5		07/10/17 12:20	79-34-5	
Tetrachloroethene	543	ug/L	5.0	2.5	5		07/10/17 12:20	127-18-4	
Toluene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	108-88-3	
1,2,3-Trichlorobenzene	<10.7	ug/L	25.0	10.7	5		07/10/17 12:20	87-61-6	
1,2,4-Trichlorobenzene	<11.0	ug/L	25.0	11.0	5		07/10/17 12:20	120-82-1	
1,1,1-Trichloroethane	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	71-55-6	
1,1,2-Trichloroethane	<0.99	ug/L	5.0	0.99	5		07/10/17 12:20	79-00-5	
Trichloroethene	<1.7	ug/L	5.0	1.7	5		07/10/17 12:20	79-01-6	
Trichlorofluoromethane	<0.92	ug/L	5.0	0.92	5		07/10/17 12:20	75-69-4	
1,2,3-Trichloropropane	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	96-18-4	
1,2,4-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	95-63-6	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	108-67-8	
Vinyl chloride	<0.88	ug/L	5.0	0.88	5		07/10/17 12:20	75-01-4	
m&p-Xylene	<5.0	ug/L	10.0	5.0	5		07/10/17 12:20	179601-23-1	
o-Xylene	<2.5	ug/L	5.0	2.5	5		07/10/17 12:20	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	61-130		5		07/10/17 12:20	460-00-4	
Dibromofluoromethane (S)	108	%	67-130		5		07/10/17 12:20	1868-53-7	
Toluene-d8 (S)	95	%	70-130		5		07/10/17 12:20	2037-26-5	

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## ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

Sample: **PZWR3** Lab ID: **40152864005** Collected: 07/05/17 13:40 Received: 07/07/17 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/17 12:42	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/17 12:42	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/17 12:42	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 12:42	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/17 12:42	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/17 12:42	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/10/17 12:42	67-66-3	
Chloromethane	0.60J	ug/L	1.0	0.50	1		07/10/17 12:42	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/17 12:42	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/17 12:42	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/17 12:42	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/17 12:42	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/17 12:42	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/17 12:42	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/17 12:42	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/17 12:42	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 12:42	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 12:42	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/17 12:42	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/17 12:42	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/17 12:42	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/17 12:42	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/17 12:42	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/10/17 12:42	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/17 12:42	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/10/17 12:42	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/17 12:42	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/17 12:42	630-20-6	

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## ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: PZWR3**      **Lab ID: 40152864005**      Collected: 07/05/17 13:40      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 12:42	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/17 12:42	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 12:42	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 12:42	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/10/17 12:42	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 12:42	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 12:42	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 12:42	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 12:42	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	61-130		1		07/10/17 12:42	460-00-4	
Dibromofluoromethane (S)	106	%	67-130		1		07/10/17 12:42	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		07/10/17 12:42	2037-26-5	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ1**      **Lab ID: 40152864006**      Collected: 07/05/17 14:00      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/17 13:04	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/17 13:04	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/17 13:04	74-83-9	R1
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 13:04	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/17 13:04	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/17 13:04	75-00-3	
Chloroform	4.3J	ug/L	5.0	2.5	1		07/10/17 13:04	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/17 13:04	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/17 13:04	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/17 13:04	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/17 13:04	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/17 13:04	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/17 13:04	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/17 13:04	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/17 13:04	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 13:04	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 13:04	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/17 13:04	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/17 13:04	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/17 13:04	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/17 13:04	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/17 13:04	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/10/17 13:04	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/17 13:04	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/10/17 13:04	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/17 13:04	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/17 13:04	630-20-6	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ1**      **Lab ID: 40152864006**      Collected: 07/05/17 14:00      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 13:04	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/17 13:04	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 13:04	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 13:04	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/10/17 13:04	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 13:04	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 13:04	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 13:04	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:04	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	61-130		1		07/10/17 13:04	460-00-4	
Dibromofluoromethane (S)	106	%	67-130		1		07/10/17 13:04	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		07/10/17 13:04	2037-26-5	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ2**      **Lab ID: 40152864007**      Collected: 07/05/17 12:00      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/17 13:27	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/17 13:27	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/17 13:27	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 13:27	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/17 13:27	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/17 13:27	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/10/17 13:27	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/17 13:27	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/17 13:27	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/17 13:27	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/17 13:27	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/17 13:27	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/17 13:27	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/17 13:27	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/17 13:27	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 13:27	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 13:27	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/17 13:27	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/17 13:27	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/17 13:27	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/17 13:27	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/17 13:27	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/10/17 13:27	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/17 13:27	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/10/17 13:27	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/17 13:27	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/17 13:27	630-20-6	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ2**      **Lab ID: 40152864007**      Collected: 07/05/17 12:00      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 13:27	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/17 13:27	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 13:27	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 13:27	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/10/17 13:27	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 13:27	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 13:27	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 13:27	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:27	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	61-130		1		07/10/17 13:27	460-00-4	
Dibromofluoromethane (S)	106	%	67-130		1		07/10/17 13:27	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		07/10/17 13:27	2037-26-5	

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## ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

Sample: CPZ3 Lab ID: 40152864008 Collected: 07/05/17 13:20 Received: 07/07/17 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/17 13:49	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/17 13:49	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/17 13:49	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 13:49	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/17 13:49	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/17 13:49	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/10/17 13:49	67-66-3	
Chloromethane	0.66J	ug/L	1.0	0.50	1		07/10/17 13:49	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/17 13:49	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/17 13:49	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/17 13:49	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/17 13:49	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/17 13:49	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/17 13:49	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/17 13:49	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/17 13:49	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 13:49	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 13:49	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/17 13:49	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/17 13:49	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/17 13:49	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/17 13:49	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/17 13:49	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/10/17 13:49	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/17 13:49	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/10/17 13:49	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/17 13:49	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/17 13:49	630-20-6	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ3**      **Lab ID: 40152864008**      Collected: 07/05/17 13:20      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 13:49	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/17 13:49	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 13:49	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 13:49	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/10/17 13:49	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 13:49	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 13:49	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 13:49	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 13:49	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	61-130		1		07/10/17 13:49	460-00-4	
Dibromofluoromethane (S)	108	%	67-130		1		07/10/17 13:49	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		07/10/17 13:49	2037-26-5	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ4R**      **Lab ID: 40152864009**      Collected: 07/05/17 15:40      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/17 14:11	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/17 14:11	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/17 14:11	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 14:11	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/17 14:11	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/17 14:11	75-00-3	
Chloroform	2.8J	ug/L	5.0	2.5	1		07/10/17 14:11	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/17 14:11	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/17 14:11	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/17 14:11	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/17 14:11	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/17 14:11	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/17 14:11	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/17 14:11	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/17 14:11	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 14:11	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 14:11	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/17 14:11	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/17 14:11	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/17 14:11	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/17 14:11	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/17 14:11	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/10/17 14:11	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/17 14:11	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/10/17 14:11	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/17 14:11	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/17 14:11	630-20-6	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ4R**      **Lab ID: 40152864009**      Collected: 07/05/17 15:40      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 14:11	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/17 14:11	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 14:11	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 14:11	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/10/17 14:11	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 14:11	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 14:11	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 14:11	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:11	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	61-130		1		07/10/17 14:11	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		07/10/17 14:11	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		07/10/17 14:11	2037-26-5	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ5**      **Lab ID: 40152864010**      Collected: 07/05/17 15:20      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/17 14:33	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/17 14:33	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/17 14:33	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 14:33	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/17 14:33	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/17 14:33	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/10/17 14:33	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/17 14:33	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/17 14:33	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/17 14:33	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/17 14:33	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/17 14:33	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/17 14:33	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/17 14:33	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/17 14:33	75-35-4	
cis-1,2-Dichloroethene	1.1	ug/L	1.0	0.26	1		07/10/17 14:33	156-59-2	
trans-1,2-Dichloroethene	1.4	ug/L	1.0	0.26	1		07/10/17 14:33	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/17 14:33	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/17 14:33	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/17 14:33	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/17 14:33	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/17 14:33	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/10/17 14:33	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/17 14:33	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/10/17 14:33	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/17 14:33	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/17 14:33	630-20-6	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ5**      **Lab ID: 40152864010**      Collected: 07/05/17 15:20      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 14:33	79-34-5	
Tetrachloroethene	93.5	ug/L	1.0	0.50	1		07/10/17 14:33	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/17 14:33	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 14:33	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 14:33	79-00-5	
Trichloroethene	60.4	ug/L	1.0	0.33	1		07/10/17 14:33	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 14:33	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 14:33	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 14:33	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:33	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	61-130		1		07/10/17 14:33	460-00-4	
Dibromofluoromethane (S)	108	%	67-130		1		07/10/17 14:33	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		07/10/17 14:33	2037-26-5	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ6**      **Lab ID: 40152864011**      Collected: 07/05/17 11:40      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/17 14:56	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/17 14:56	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/17 14:56	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 14:56	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/17 14:56	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/17 14:56	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/10/17 14:56	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/17 14:56	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/17 14:56	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/17 14:56	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/17 14:56	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/17 14:56	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/17 14:56	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/17 14:56	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/17 14:56	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 14:56	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 14:56	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/17 14:56	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/17 14:56	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/17 14:56	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/17 14:56	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/17 14:56	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/10/17 14:56	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/17 14:56	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/10/17 14:56	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/17 14:56	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/17 14:56	630-20-6	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON  
Pace Project No.: 40152864

**Sample: CPZ6**      **Lab ID: 40152864011**      Collected: 07/05/17 11:40      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 14:56	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/17 14:56	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 14:56	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 14:56	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/10/17 14:56	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 14:56	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 14:56	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 14:56	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 14:56	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	61-130		1		07/10/17 14:56	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		1		07/10/17 14:56	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		07/10/17 14:56	2037-26-5	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ7**      **Lab ID: 40152864012**      Collected: 07/05/17 15:00      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/17 15:18	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/17 15:18	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/17 15:18	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 15:18	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/17 15:18	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/17 15:18	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/10/17 15:18	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/17 15:18	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/17 15:18	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/17 15:18	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/17 15:18	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/17 15:18	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/17 15:18	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/17 15:18	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/17 15:18	75-35-4	
cis-1,2-Dichloroethene	2.9	ug/L	1.0	0.26	1		07/10/17 15:18	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 15:18	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/17 15:18	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/17 15:18	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/17 15:18	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/17 15:18	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/17 15:18	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/10/17 15:18	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/17 15:18	75-09-2	
Methyl-tert-butyl ether	1.3	ug/L	1.0	0.17	1		07/10/17 15:18	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/17 15:18	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/17 15:18	630-20-6	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ7**      **Lab ID: 40152864012**      Collected: 07/05/17 15:00      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 15:18	79-34-5	
Tetrachloroethene	3.7	ug/L	1.0	0.50	1		07/10/17 15:18	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/17 15:18	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 15:18	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 15:18	79-00-5	
Trichloroethene	10.7	ug/L	1.0	0.33	1		07/10/17 15:18	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 15:18	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 15:18	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 15:18	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:18	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	61-130		1		07/10/17 15:18	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		1		07/10/17 15:18	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		07/10/17 15:18	2037-26-5	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ8**      **Lab ID: 40152864013**      Collected: 07/05/17 16:00      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/17 15:40	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/17 15:40	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/17 15:40	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 15:40	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/17 15:40	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/17 15:40	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/10/17 15:40	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/17 15:40	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/17 15:40	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/17 15:40	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/17 15:40	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/17 15:40	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/17 15:40	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/17 15:40	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/17 15:40	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 15:40	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 15:40	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/17 15:40	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/17 15:40	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/17 15:40	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/17 15:40	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/17 15:40	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/10/17 15:40	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/17 15:40	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/10/17 15:40	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/17 15:40	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/17 15:40	630-20-6	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ8**      **Lab ID: 40152864013**      Collected: 07/05/17 16:00      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 15:40	79-34-5	
Tetrachloroethene	29.8	ug/L	1.0	0.50	1		07/10/17 15:40	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/17 15:40	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 15:40	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 15:40	79-00-5	
Trichloroethene	4.6	ug/L	1.0	0.33	1		07/10/17 15:40	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 15:40	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 15:40	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 15:40	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 15:40	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	61-130		1		07/10/17 15:40	460-00-4	
Dibromofluoromethane (S)	101	%	67-130		1		07/10/17 15:40	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		07/10/17 15:40	2037-26-5	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ9**      **Lab ID: 40152864014**      Collected: 07/05/17 11:10      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/17 16:03	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/17 16:03	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/17 16:03	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 16:03	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/17 16:03	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/17 16:03	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/10/17 16:03	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/17 16:03	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/17 16:03	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/17 16:03	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/17 16:03	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/17 16:03	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/17 16:03	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/17 16:03	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/17 16:03	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 16:03	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 16:03	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/17 16:03	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/17 16:03	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/17 16:03	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/17 16:03	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/17 16:03	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/10/17 16:03	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/17 16:03	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/10/17 16:03	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/17 16:03	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/17 16:03	630-20-6	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ9**      **Lab ID: 40152864014**      Collected: 07/05/17 11:10      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 16:03	79-34-5	
Tetrachloroethene	1.9	ug/L	1.0	0.50	1		07/10/17 16:03	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/17 16:03	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 16:03	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 16:03	79-00-5	
Trichloroethene	0.49J	ug/L	1.0	0.33	1		07/10/17 16:03	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 16:03	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 16:03	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 16:03	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:03	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	61-130		1		07/10/17 16:03	460-00-4	
Dibromofluoromethane (S)	106	%	67-130		1		07/10/17 16:03	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		07/10/17 16:03	2037-26-5	

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## ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

Sample: CPZ10 Lab ID: 40152864015 Collected: 07/05/17 10:50 Received: 07/07/17 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/17 16:25	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/17 16:25	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/17 16:25	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 16:25	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/17 16:25	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/17 16:25	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/10/17 16:25	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/17 16:25	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/17 16:25	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/17 16:25	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/17 16:25	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/17 16:25	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/17 16:25	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/17 16:25	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/17 16:25	75-35-4	
cis-1,2-Dichloroethene	0.48J	ug/L	1.0	0.26	1		07/10/17 16:25	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 16:25	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/17 16:25	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/17 16:25	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/17 16:25	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/17 16:25	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/17 16:25	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/10/17 16:25	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/17 16:25	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/10/17 16:25	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/17 16:25	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/17 16:25	630-20-6	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ10**      **Lab ID: 40152864015**      Collected: 07/05/17 10:50      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 16:25	79-34-5	
Tetrachloroethene	12.5	ug/L	1.0	0.50	1		07/10/17 16:25	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/17 16:25	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 16:25	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 16:25	79-00-5	
Trichloroethene	14.6	ug/L	1.0	0.33	1		07/10/17 16:25	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 16:25	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 16:25	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 16:25	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:25	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	61-130		1		07/10/17 16:25	460-00-4	
Dibromofluoromethane (S)	101	%	67-130		1		07/10/17 16:25	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		07/10/17 16:25	2037-26-5	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ11**      **Lab ID: 40152864016**      Collected: 07/05/17 10:20      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	0.55J	ug/L	1.0	0.50	1		07/10/17 16:48	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/17 16:48	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/17 16:48	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/17 16:48	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 16:48	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/17 16:48	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/17 16:48	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/10/17 16:48	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/17 16:48	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/17 16:48	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/17 16:48	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/17 16:48	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/17 16:48	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/17 16:48	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/17 16:48	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/17 16:48	75-35-4	
cis-1,2-Dichloroethene	1.2	ug/L	1.0	0.26	1		07/10/17 16:48	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/17 16:48	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/17 16:48	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/17 16:48	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/17 16:48	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/17 16:48	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/17 16:48	87-68-3	
Isopropylbenzene (Cumene)	0.30J	ug/L	1.0	0.14	1		07/10/17 16:48	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/17 16:48	75-09-2	
Methyl-tert-butyl ether	3.1	ug/L	1.0	0.17	1		07/10/17 16:48	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/17 16:48	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/17 16:48	630-20-6	

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### ANALYTICAL RESULTS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

**Sample: CPZ11**      **Lab ID: 40152864016**      Collected: 07/05/17 10:20      Received: 07/07/17 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 16:48	79-34-5	
Tetrachloroethene	14.3	ug/L	1.0	0.50	1		07/10/17 16:48	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/17 16:48	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 16:48	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 16:48	79-00-5	
Trichloroethene	17.8	ug/L	1.0	0.33	1		07/10/17 16:48	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 16:48	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 16:48	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 16:48	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 16:48	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	61-130		1		07/10/17 16:48	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		07/10/17 16:48	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		07/10/17 16:48	2037-26-5	

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### QUALITY CONTROL DATA

Project: 1933B NORMINGTON

Pace Project No.: 40152864

QC Batch: 260955 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV

Associated Lab Samples: 40152864001, 40152864002, 40152864003, 40152864004, 40152864005, 40152864006, 40152864007, 40152864008, 40152864009, 40152864010, 40152864011, 40152864012, 40152864013, 40152864014, 40152864015, 40152864016

METHOD BLANK: 1537180 Matrix: Water

Associated Lab Samples: 40152864001, 40152864002, 40152864003, 40152864004, 40152864005, 40152864006, 40152864007, 40152864008, 40152864009, 40152864010, 40152864011, 40152864012, 40152864013, 40152864014, 40152864015, 40152864016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	07/10/17 10:21	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	07/10/17 10:21	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	07/10/17 10:21	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	07/10/17 10:21	
1,1-Dichloroethane	ug/L	<0.24	1.0	07/10/17 10:21	
1,1-Dichloroethane	ug/L	<0.41	1.0	07/10/17 10:21	
1,1-Dichloropropene	ug/L	<0.44	1.0	07/10/17 10:21	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	07/10/17 10:21	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	07/10/17 10:21	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	07/10/17 10:21	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	07/10/17 10:21	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	07/10/17 10:21	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	07/10/17 10:21	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	07/10/17 10:21	
1,2-Dichloroethane	ug/L	<0.17	1.0	07/10/17 10:21	
1,2-Dichloropropane	ug/L	<0.23	1.0	07/10/17 10:21	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	07/10/17 10:21	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	07/10/17 10:21	
1,3-Dichloropropane	ug/L	<0.50	1.0	07/10/17 10:21	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	07/10/17 10:21	
2,2-Dichloropropane	ug/L	<0.48	1.0	07/10/17 10:21	
2-Chlorotoluene	ug/L	<0.50	1.0	07/10/17 10:21	
4-Chlorotoluene	ug/L	<0.21	1.0	07/10/17 10:21	
Benzene	ug/L	<0.50	1.0	07/10/17 10:21	
Bromobenzene	ug/L	<0.23	1.0	07/10/17 10:21	
Bromochloromethane	ug/L	<0.34	1.0	07/10/17 10:21	
Bromodichloromethane	ug/L	<0.50	1.0	07/10/17 10:21	
Bromoform	ug/L	<0.50	1.0	07/10/17 10:21	
Bromomethane	ug/L	<2.4	5.0	07/10/17 10:21	
Carbon tetrachloride	ug/L	<0.50	1.0	07/10/17 10:21	
Chlorobenzene	ug/L	<0.50	1.0	07/10/17 10:21	
Chloroethane	ug/L	<0.37	1.0	07/10/17 10:21	
Chloroform	ug/L	<2.5	5.0	07/10/17 10:21	
Chloromethane	ug/L	<0.50	1.0	07/10/17 10:21	
cis-1,2-Dichloroethane	ug/L	<0.26	1.0	07/10/17 10:21	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	07/10/17 10:21	
Dibromochloromethane	ug/L	<0.50	1.0	07/10/17 10:21	
Dibromomethane	ug/L	<0.43	1.0	07/10/17 10:21	

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### QUALITY CONTROL DATA

Project: 1933B NORMINGTON

Pace Project No.: 40152864

METHOD BLANK: 1537180

Matrix: Water

Associated Lab Samples: 40152864001, 40152864002, 40152864003, 40152864004, 40152864005, 40152864006, 40152864007, 40152864008, 40152864009, 40152864010, 40152864011, 40152864012, 40152864013, 40152864014, 40152864015, 40152864016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	<0.22	1.0	07/10/17 10:21	
Diisopropyl ether	ug/L	<0.50	1.0	07/10/17 10:21	
Ethylbenzene	ug/L	<0.50	1.0	07/10/17 10:21	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	07/10/17 10:21	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	07/10/17 10:21	
m&p-Xylene	ug/L	<1.0	2.0	07/10/17 10:21	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	07/10/17 10:21	
Methylene Chloride	ug/L	<0.23	1.0	07/10/17 10:21	
n-Butylbenzene	ug/L	<0.50	1.0	07/10/17 10:21	
n-Propylbenzene	ug/L	<0.50	1.0	07/10/17 10:21	
Naphthalene	ug/L	<2.5	5.0	07/10/17 10:21	
o-Xylene	ug/L	<0.50	1.0	07/10/17 10:21	
p-Isopropyltoluene	ug/L	<0.50	1.0	07/10/17 10:21	
sec-Butylbenzene	ug/L	<2.2	5.0	07/10/17 10:21	
Styrene	ug/L	<0.50	1.0	07/10/17 10:21	
tert-Butylbenzene	ug/L	<0.18	1.0	07/10/17 10:21	
Tetrachloroethene	ug/L	<0.50	1.0	07/10/17 10:21	
Toluene	ug/L	<0.50	1.0	07/10/17 10:21	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	07/10/17 10:21	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	07/10/17 10:21	
Trichloroethene	ug/L	<0.33	1.0	07/10/17 10:21	
Trichlorofluoromethane	ug/L	<0.18	1.0	07/10/17 10:21	
Vinyl chloride	ug/L	<0.18	1.0	07/10/17 10:21	
4-Bromofluorobenzene (S)	%	96	61-130	07/10/17 10:21	
Dibromofluoromethane (S)	%	106	67-130	07/10/17 10:21	
Toluene-d8 (S)	%	99	70-130	07/10/17 10:21	

LABORATORY CONTROL SAMPLE: 1537181

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.2	112	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.8	102	70-130	
1,1,2-Trichloroethane	ug/L	50	49.6	99	70-130	
1,1-Dichloroethane	ug/L	50	55.6	111	71-132	
1,1-Dichloroethene	ug/L	50	48.8	98	75-130	
1,2,4-Trichlorobenzene	ug/L	50	48.7	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.8	96	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	52.4	105	70-130	
1,2-Dichlorobenzene	ug/L	50	51.6	103	70-130	
1,2-Dichloroethane	ug/L	50	51.9	104	70-131	
1,2-Dichloropropane	ug/L	50	54.3	109	80-120	
1,3-Dichlorobenzene	ug/L	50	51.6	103	70-130	

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### QUALITY CONTROL DATA

Project: 1933B NORMINGTON

Pace Project No.: 40152864

LABORATORY CONTROL SAMPLE: 1537181

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	50.3	101	70-130	
Benzene	ug/L	50	54.1	108	73-145	
Bromodichloromethane	ug/L	50	51.1	102	70-130	
Bromoform	ug/L	50	50.0	100	67-130	
Bromomethane	ug/L	50	47.8	96	26-128	
Carbon tetrachloride	ug/L	50	55.0	110	70-133	
Chlorobenzene	ug/L	50	50.6	101	70-130	
Chloroethane	ug/L	50	49.7	99	58-120	
Chloroform	ug/L	50	52.2	104	80-121	
Chloromethane	ug/L	50	46.3	93	40-127	
cis-1,2-Dichloroethene	ug/L	50	53.6	107	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.5	103	70-130	
Dibromochloromethane	ug/L	50	50.2	100	70-130	
Dichlorodifluoromethane	ug/L	50	29.8	60	20-135	
Ethylbenzene	ug/L	50	52.8	106	87-129	
Isopropylbenzene (Cumene)	ug/L	50	53.4	107	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	55.4	111	66-143	
Methylene Chloride	ug/L	50	51.4	103	70-130	
o-Xylene	ug/L	50	51.5	103	70-130	
Styrene	ug/L	50	53.8	108	70-130	
Tetrachloroethene	ug/L	50	47.5	95	70-130	
Toluene	ug/L	50	50.1	100	82-130	
trans-1,2-Dichloroethene	ug/L	50	55.9	112	75-132	
trans-1,3-Dichloropropene	ug/L	50	48.4	97	70-130	
Trichloroethene	ug/L	50	52.3	105	70-130	
Trichlorofluoromethane	ug/L	50	51.2	102	76-133	
Vinyl chloride	ug/L	50	47.0	94	57-136	
4-Bromofluorobenzene (S)	%			103	61-130	
Dibromofluoromethane (S)	%			107	67-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1537302 1537303

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40152864006 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	59.4	59.4	68.3	66.0	115	111	70-134	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	59.4	59.4	62.1	63.4	105	107	70-130	2	20	
1,1,2-Trichloroethane	ug/L	<0.20	59.4	59.4	60.0	59.6	101	100	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.24	59.4	59.4	62.6	63.1	105	106	71-133	1	20	
1,1-Dichloroethene	ug/L	<0.41	59.4	59.4	57.8	56.7	97	96	75-136	2	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	59.4	59.4	61.4	60.8	103	102	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	59.4	59.4	57.2	63.1	96	106	63-123	10	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	59.4	59.4	60.6	66.3	102	112	70-130	9	20	

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### QUALITY CONTROL DATA

Project: 1933B NORMINGTON

Pace Project No.: 40152864

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1537302												1537303											
Parameter	Units	40152864006		MS	MSD	MS		MSD	MS	MSD	% Rec	Max	RPD	RPD	Qual								
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits													
1,2-Dichlorobenzene	ug/L	<0.50	59.4	59.4	59.4	59.4	64.3	65.7	108	111	70-130	2	20										
1,2-Dichloroethane	ug/L	<0.17	59.4	59.4	59.4	59.4	63.4	62.3	107	105	70-131	2	20										
1,2-Dichloropropane	ug/L	<0.23	59.4	59.4	59.4	59.4	66.7	66.7	112	112	80-120	0	20										
1,3-Dichlorobenzene	ug/L	<0.50	59.4	59.4	59.4	59.4	64.5	64.5	109	109	70-130	0	20										
1,4-Dichlorobenzene	ug/L	<0.50	59.4	59.4	59.4	59.4	63.6	63.9	107	108	70-130	1	20										
Benzene	ug/L	<0.50	59.4	59.4	59.4	59.4	64.7	63.3	109	107	73-145	2	20										
Bromodichloromethane	ug/L	<0.50	59.4	59.4	59.4	59.4	63.8	64.5	107	109	70-130	1	20										
Bromoform	ug/L	<0.50	59.4	59.4	59.4	59.4	61.8	63.8	104	107	67-130	3	20										
Bromomethane	ug/L	<2.4	59.4	59.4	59.4	59.4	45.6	61.4	77	103	26-129	30	20	R1									
Carbon tetrachloride	ug/L	<0.50	59.4	59.4	59.4	59.4	66.1	65.8	111	111	70-134	0	20										
Chlorobenzene	ug/L	<0.50	59.4	59.4	59.4	59.4	63.0	62.1	106	105	70-130	1	20										
Chloroethane	ug/L	<0.37	59.4	59.4	59.4	59.4	54.7	53.7	92	90	58-120	2	20										
Chloroform	ug/L	4.3J	59.4	59.4	59.4	59.4	68.6	68.3	108	108	80-121	0	20										
Chloromethane	ug/L	<0.50	59.4	59.4	59.4	59.4	43.4	40.8	73	69	40-128	6	20										
cis-1,2-Dichloroethene	ug/L	<0.26	59.4	59.4	59.4	59.4	67.2	64.2	113	108	70-130	5	20										
cis-1,3-Dichloropropene	ug/L	<0.50	59.4	59.4	59.4	59.4	63.2	66.2	106	111	70-130	5	20										
Dibromochloromethane	ug/L	<0.50	59.4	59.4	59.4	59.4	61.6	63.9	104	108	70-130	4	20										
Dichlorodifluoromethane	ug/L	<0.22	59.4	59.4	59.4	59.4	18.1	17.4	30	29	20-146	4	20										
Ethylbenzene	ug/L	<0.50	59.4	59.4	59.4	59.4	64.2	64.3	108	108	87-129	0	20										
Isopropylbenzene (Cumene)	ug/L	<0.14	59.4	59.4	59.4	59.4	65.0	65.3	109	110	70-130	0	20										
m&p-Xylene	ug/L	<1.0	119	119	119	119	126	127	106	107	70-130	1	20										
Methyl-tert-butyl ether	ug/L	<0.17	59.4	59.4	59.4	59.4	59.7	68.8	100	116	66-143	14	20										
Methylene Chloride	ug/L	<0.23	59.4	59.4	59.4	59.4	61.6	61.1	104	103	70-130	1	20										
o-Xylene	ug/L	<0.50	59.4	59.4	59.4	59.4	64.6	64.7	109	109	70-130	0	20										
Styrene	ug/L	<0.50	59.4	59.4	59.4	59.4	63.2	65.5	106	110	70-130	4	20										
Tetrachloroethene	ug/L	<0.50	59.4	59.4	59.4	59.4	58.3	58.7	98	99	70-130	1	20										
Toluene	ug/L	<0.50	59.4	59.4	59.4	59.4	61.7	61.0	104	103	82-131	1	20										
trans-1,2-Dichloroethene	ug/L	<0.26	59.4	59.4	59.4	59.4	63.9	62.2	108	105	75-135	3	20										
trans-1,3-Dichloropropene	ug/L	<0.23	59.4	59.4	59.4	59.4	57.3	60.7	96	102	70-130	6	20										
Trichloroethene	ug/L	<0.33	59.4	59.4	59.4	59.4	63.4	64.3	107	108	70-130	1	20										
Trichlorofluoromethane	ug/L	<0.18	59.4	59.4	59.4	59.4	57.5	56.6	97	95	76-150	2	20										
Vinyl chloride	ug/L	<0.18	59.4	59.4	59.4	59.4	46.7	45.2	79	76	56-143	3	20										
4-Bromofluorobenzene (S)	%								99	100	61-130												
Dibromofluoromethane (S)	%								106	105	67-130												
Toluene-d8 (S)	%								100	98	70-130												

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



## QUALIFIERS

Project: 1933B NORMINGTON

Pace Project No.: 40152864

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1933B NORMINGTON

Pace Project No.: 40152864

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40152864001	MWWR1	EPA 8260	260955		
40152864002	MW2R	EPA 8260	260955		
40152864003	PZ1	EPA 8260	260955		
40152864004	PZWR2	EPA 8260	260955		
40152864005	PZWR3	EPA 8260	260955		
40152864006	CPZ1	EPA 8260	260955		
40152864007	CPZ2	EPA 8260	260955		
40152864008	CPZ3	EPA 8260	260955		
40152864009	CPZ4R	EPA 8260	260955		
40152864010	CPZ5	EPA 8260	260955		
40152864011	CPZ6	EPA 8260	260955		
40152864012	CPZ7	EPA 8260	260955		
40152864013	CPZ8	EPA 8260	260955		
40152864014	CPZ9	EPA 8260	260955		
40152864015	CPZ10	EPA 8260	260955		
40152864016	CPZ11	EPA 8260	260955		

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Sample Condition Upon Receipt

Pace Analytical Services, LLC. - Green Bay WI
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: REI

Project # WO#: 40152864

Courier: Fed Ex UPS Client Pace Other: Waltes
Tracking #: 1418313-1



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
Custody Seal on Samples Present: yes no Seals intact: yes no
Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used NA Type of Ice: Wet Blue Dry None
Cooler Temperature Uncorr: 20 Corr: Samples on ice, cooling process has begun
Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 7-7-17
Initials: KR

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Table with 15 rows of inspection items and checkboxes. Includes 'Chain of Custody Present', 'Short Hold Time Analysis', 'Rush Turn Around Time Requested', 'Containers Intact', 'Sample Labels match COC', 'Headspace in VOA Vials', etc.

Client Notification/ Resolution:
Person Contacted: Date/Time:
Comments/ Resolution: If checked, see attached form for additional comments

Project Manager Review: Date: 7-7-17