

From: Andy Delforge <adelforge@reiengineering.com>
Sent: Tuesday, October 16, 2018 10:36 AM
To: Janowiak, Steve J - DNR
Subject: RE: Normington & Associated Bank

Not yet, efforting that

Thank you,



Andrew R. Delforge, P.G. – Senior Hydrogeologist



Andrew R. Delforge, P.G.
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From: Janowiak, Steve J - DNR <Steve.Janowiak@wisconsin.gov>
Sent: Tuesday, October 16, 2018 10:34 AM
To: Andy Delforge <adelforge@reiengineering.com>
Subject: RE: Normington & Associated Bank

Have you looked into sampling any of those private wells?

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Steve Janowiak

Phone: (715)421-7850

Steve.Janowiak@wisconsin.gov

From: Andy Delforge <adelforge@reiengineering.com>
Sent: Tuesday, October 16, 2018 9:19 AM
To: Janowiak, Steve J - DNR <Steve.Janowiak@wisconsin.gov>
Cc: 'Matt Rowe' <mrowe@ruderware.com>
Subject: RE: Normington & Associated Bank

Good Morning Steve – we got the groundwater results from the additional PZ install. It looks like we have the plume defined to the south, and the other good news is there are nothing but daughter compounds, so we are likely close to the leading edge of the plume. Based on our discussion, I looked at the locations relative to the river, and we are still over ¼ mile from the river. So it might be premature to just put the next series adjacent to the river. Given that CPZ14 is the only one with PCE and has the highest concentrations downgradient, I think it's safe to say it's within the centerline of the plume. I feel like we should be able to get away with 2 more shallow PZs, what are your thoughts? Also, lets start to discuss where we want to put the bedrock piezometer (s) when we get to that point. As you know, our locations are limited. I'm not a fan of putting in PZ in the source area or hotspot, I'd rather put it in downgradient, what do you think?

Thank you,



Andrew R. Delforge, P.G. – Senior Hydrogeologist



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Confidentiality Notice: This message is intended for the recipient only. If you have received this e-mail in error please disregard.

From: Janowiak, Steve J - DNR <Steve.Janowiak@wisconsin.gov>
Sent: Friday, September 28, 2018 10:34 AM

To: Andy Delforge <adelforge@reiengineering.com>

Subject: Normington & Associated Bank

Andy,

As we discussed yesterday, for Normington, I think it would be wise to wait until we see results from these latest piezometers before making plans for a path to closure. If the piezometers are clean I think it would make sense to then review the plume and place a few wells in the bedrock since the CVOCs seem to have reached the ballfield well which is in the granite. However, since the unconsolidated wells are cheaper it would be most cost effective to fully define the plume extent in the unconsolidated aquifer first, this should hopefully reduce the need to chase the bedrock plume blindly. I.e. we can start placing bedrock wells along the perimeter of the unconsolidated plume, instead of starting at the source and working out from there.

Also, if these latest piezometers have CVOC concentrations exceeding ESs then we could try estimating the groundwater flow velocity and check that against the distance to the Wisconsin River. If it is likely that the plume already reached the river maybe we can install MWs nearer the river.

You mentioned that REI would be down next week to develop & sample the wells you put in yesterday. I looked around and there are a few wells that are between the plume and the river that you might sample then too. YH402 is the South Wood County Historical Society museums irrigation well, 540 3rd Street South. Then SZ969 which is the Assumption High School Athletic Field irrigation well at 445 Chestnut St. Since these are wells for irrigation only they will likely be getting shut down for the winter.

Finally, check with Aspirus Riverview Hospital. I remember they had been talking with me about drilling a well to serve as back-up potable for the hospital. I seem to recall that they had a need for a well to provide cooling water for boilers/generators. I don't remember if it was the same well, if they ever drilled it or what.

There may be more private wells for lawns in the area, but I did not find well construction reports for them. They should be permitted with the City of Wisconsin Rapids.

As for Associated Bank:

Attached is the excerpt from RMT's report to WisDOT after construction work on HWY 80 in Pittsville. You'll find in there a map (Figure 2) showing where they hauled out contaminated soil. I don't think the closure committee will grant closure until that area is addressed. I don't think Figure 3 applies to the Associated Bank situation unless something is found to connect the two areas.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Steve Janowiak, P.H.

Hydrogeologist

Wisconsin Department of Natural Resources

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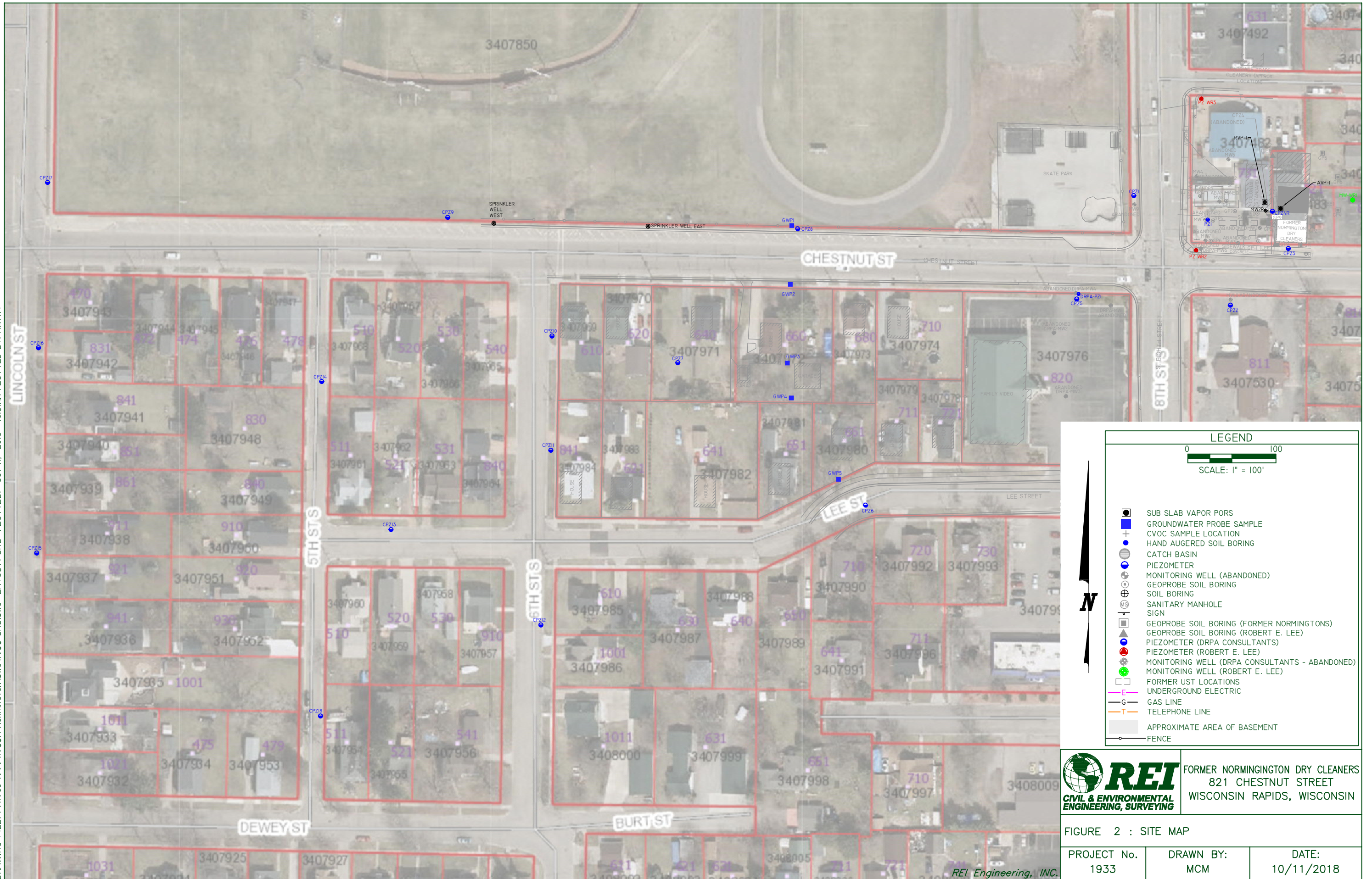
Steve.Janowiak@wisconsin.gov



dnr.wi.gov



DRAWING FILE: P:\1900-1999\1933A-NORMINGTON\DWG\1933-SITE.DWG LAYOUT: SITE PLOTTED: Oct 11, 2018 - 10:51AM PLOTTED BY: MATTM



LEGEND

0 100
SCALE: 1" = 100'

- 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 NORMINGTONS)
- GEOPROBE SOIL BORING (ROBERT E. LEE)
- PIEZOMETER (DRPA CONSULTANTS)
- PIEZOMETER (ROBERT E. LEE)
- MONITORING WELL (DRPA CONSULTANTS - ABANDONED)
- MONITORING WELL (ROBERT E. LEE)
- FORMER UST LOCATIONS
- UNDERGROUND ELECTRIC
- GAS LINE
- TELEPHONE LINE
- APPROXIMATE AREA OF BASEMENT
- FENCE

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FORMER NORMINGTON DRY CLEANERS
821 CHESTNUT STREET
WISCONSIN RAPIDS, WISCONSIN

FIGURE 2 : SITE MAP

PROJECT No. 1933	DRAWN BY: MCM	DATE: 10/11/2018
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REI Engineering, INC.

Table 2u
CPZ12 Groundwater Analytical Results
Former Normington Dry Cleaners
Wisconsin Rapids, Wisconsin

PARAMETER	ES	PAL	CPZ12	
			6/27/18	7/13/18
Detected VOC's (ug/L)				
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	<i>40.3</i>	<i>30.0</i>
trans-1,2-Dichloroethene	100	20	<i>63.4</i>	<i>44.9</i>
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			<0.14	<0.14
p-Isopropyltoluene			<0.50	<0.50
Methylene Chloride	5	0.5	<0.23	<0.23
Methyl t-Butyl Ether	60	12	5.7	5.7
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	<0.50	<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	63.6	46.6
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

BOLD
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

Table 2v
CPZ13 Groundwater Analytical Results
Former Normington Dry Cleaners
Wisconsin Rapids, Wisconsin

PARAMETER	ES	PAL	CPZ13	
			6/27/18	7/13/18
Detected VOC's (ug/L)				
Benzene	5	0.5	0.68j	0.55j
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	48.7	34.1
trans-1,2-Dichloroethene	100	20	73.3	51.1
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			<0.14	0.30j
p-Isopropyltoluene			<0.50	<0.50
Methylene Chloride	5	0.5	<0.23	<0.23
Methyl t-Butyl Ether	60	12	0.81j	0.76j
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	<0.50	14.4
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	43.6	40.5
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

BOLD
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

Table 2w
CPZ14 Groundwater Analytical Results
Former Normington Dry Cleaners
Wisconsin Rapids, Wisconsin

PARAMETER	ES	PAL	CPZ14	
			6/27/18	7/13/18
Detected VOC's (ug/L)				
Benzene	5	0.5	<1.2	<1.0
Bromobenzene			<0.58	<0.46
Bromochloromethane			<0.85	<0.68
Bromodichloromethane	0.6	0.06	<1.2	<1.0
Bromoform	4.4	0.44	<1.2	<1.0
Bromomethane	10	1	<6.1	<4.9
n-Butylbenzene			<1.2	<1.0
sec-Butylbenzene			<5.5	<4.4
tert-Butylbenzene			<0.45	<0.36
Carbon Tetrachloride	5	0.5	<1.2	<1.0
Chlorobenzene			<1.2	<1.0
Chloroethane	400	80	<0.94	<0.75
Chloroform	6	0.6	<6.2	<5.0
Chloromethane	30	3	<1.2	<1.0
2-Chlorotoluene			<1.2	<1.0
4-Chlorotoluene			<0.53	<0.43
1,2-Dibromo-3-chloropropane	0.2	0.02	<5.4	<4.3
Dibromochloromethane	60	6	<1.2	<1.0
1,2-Dibromoethane	0.05	0.005	<0.44	<0.36
Dibromomethane			<1.1	<0.85
1,2-Dichlorobenzene	600	60	<1.2	<1.0
1,3-Dichlorobenzene	600	120	<1.2	<1.0
1,4-Dichlorobenzene	75	15	<1.2	<1.0
Dichlorodifluoromethane	1,000	200	<0.56	<0.45
1,1-Dichloroethane	850	85	<0.60	<0.48
1,2-Dichloroethane	5	0.5	<0.42	<0.34
1,1-Dichloroethene	7	0.7	<1.0	<0.82
cis-1,2-Dichloroethene	70	7	0.75j	1.4j
trans-1,2-Dichloroethene	100	20	0.96j	1.9j
1,2-Dichloropropane	5	0.5	<0.58	<0.14
1,3-Dichloropropane			<1.2	<1.0
2,2-Dichloropropane			<1.2	<0.97
1,1-Dichloropropene			<1.1	<0.88
cis-1,3-Dichloropropene	0.4	0.04	<1.2	<1.0
trans-1,3-Dichloropropene	0.4	0.04	<0.57	<0.46
Diisopropyl ether			<1.2	<1.0
Ethylbenzene	700	140	<1.2	<1.0
Hexachloro-1,3-butadiene			<5.3	<4.2
Isopropylbenzene			<0.36	<0.29
p-Isopropyltoluene			<1.2	<1.0
Methylene Chloride	5	0.5	<0.58	<0.47
Methyl t-Butyl Ether	60	12	<0.44	<0.35
Naphthalene	100	10	<6.2	<5.0
n-Propylbenzene			<1.2	<1.0
Styrene	100	10	<1.2	<1.0
1,1,1,2-Tetrachloroethane	70	7	<0.45	<0.36
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.62	<0.50
Tetrachloroethylene	5	0.5	130	150
Toluene	800	160	<1.2	<1.0
1,2,3-Trichlorobenzene			<5.3	<4.3
1,2,4-Trichlorobenzene	70	14	<5.5	<4.4
1,1,1-Trichloroethane	200	40	<1.2	<1.0
1,1,2-Trichloroethane	5	0.5	<0.49	<0.39
Trichloroethylene	5	0.5	17.5	21.5
Trichlorofluoromethane	3,490	698	<0.46	<0.37
1,2,3-Trichloropropane	60	12	<1.2	<1.0
Total Trimethylbenzenes	480	96	<2.4	<2
Vinyl Chloride	0.2	0.02	<0.44	<0.35
Total Xylenes	2,000	400	<3.7	<3

PAL = Preventative Action Limit

ES = Enforcement Standards

BOLD
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

Table 2x
CPZ15 Groundwater Analytical Results
Former Normington Dry Cleaners
Wisconsin Rapids, Wisconsin

PARAMETER	ES	PAL	CPZ15 10/1/18
Detected VOC's (ug/L)			
Benzene	5	0.5	<0.25
Bromobenzene			<0.24
Bromochloromethane			<0.36
Bromodichloromethane	0.6	0.06	<0.36
Bromoform	4.4	0.44	<4.0
Bromomethane	10	1	<0.97
n-Butylbenzene			<0.71
sec-Butylbenzene			<0.85
tert-Butylbenzene			<0.30
Carbon Tetrachloride	5	0.5	<0.17
Chlorobenzene			<0.71
Chloroethane	400	80	<1.3
Chloroform	6	0.6	<1.3
Chloromethane	30	3	<2.2
2-Chlorotoluene			<0.93
4-Chlorotoluene			<0.76
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.8
Dibromochloromethane	60	6	<2.6
1,2-Dibromoethane	0.05	0.005	<0.83
Dibromomethane			<0.94
1,2-Dichlorobenzene	600	60	<0.71
1,3-Dichlorobenzene	600	120	<0.63
1,4-Dichlorobenzene	75	15	<0.94
Dichlorodifluoromethane	1,000	200	<0.50
1,1-Dichloroethane	850	85	<0.27
1,2-Dichloroethane	5	0.5	<0.28
1,1-Dichloroethene	7	0.7	<0.24
cis-1,2-Dichloroethene	70	7	<i>31.9</i>
trans-1,2-Dichloroethene	100	20	<i>50.8</i>
1,2-Dichloropropane	5	0.5	<0.28
1,3-Dichloropropane			<0.83
2,2-Dichloropropane			<2.3
1,1-Dichloropropene			<0.54
cis-1,3-Dichloropropene	0.4	0.04	<3.6
trans-1,3-Dichloropropene	0.4	0.04	<4.4
Diisopropyl ether			<1.9
Ethylbenzene	700	140	<0.22
Hexachloro-1,3-butadiene			<1.2
Isopropylbenzene			<0.39
p-Isopropyltoluene			<0.80
Methylene Chloride	5	0.5	<0.58
Methyl t-Butyl Ether	60	12	<1.2
Naphthalene	100	10	<1.2
n-Propylbenzene			<0.81
Styrene	100	10	<0.47
1,1,1,2-Tetrachloroethane	70	7	<0.27
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.28
Tetrachloroethylene	5	0.5	<0.33
Toluene	800	160	<0.17
1,2,3-Trichlorobenzene			<0.63
1,2,4-Trichlorobenzene	70	14	<0.95
1,1,1-Trichloroethane	200	40	<0.24
1,1,2-Trichloroethane	5	0.5	<0.55
Trichloroethylene	5	0.5	29.4
Trichlorofluoromethane	3,490	698	<0.21
1,2,3-Trichloropropane	60	12	<0.59
Total Trimethylbenzenes	480	96	<1.71
Vinyl Chloride	0.2	0.02	<0.17
Total Xylenes	2,000	400	<0.73

PAL = Preventative Action Limit

ES = Enforcement Standards

BOLD
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

Table 2y
CPZ16 Groundwater Analytical Results
Former Normington Dry Cleaners
Wisconsin Rapids, Wisconsin

PARAMETER	ES	PAL	CPZ16 10/1/18
Detected VOC's (ug/L)			
Benzene	5	0.5	<0.25
Bromobenzene			<0.24
Bromochloromethane			<0.36
Bromodichloromethane	0.6	0.06	<0.36
Bromoform	4.4	0.44	<4.0
Bromomethane	10	1	<0.97
n-Butylbenzene			<0.71
sec-Butylbenzene			<0.85
tert-Butylbenzene			<0.30
Carbon Tetrachloride	5	0.5	<0.17
Chlorobenzene			<0.71
Chloroethane	400	80	<1.3
Chloroform	6	0.6	<1.3
Chloromethane	30	3	<2.2
2-Chlorotoluene			<0.93
4-Chlorotoluene			<0.76
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.8
Dibromochloromethane	60	6	<2.6
1,2-Dibromoethane	0.05	0.005	<0.83
Dibromomethane			<0.94
1,2-Dichlorobenzene	600	60	<0.71
1,3-Dichlorobenzene	600	120	<0.63
1,4-Dichlorobenzene	75	15	<0.94
Dichlorodifluoromethane	1,000	200	<0.50
1,1-Dichloroethane	850	85	<0.27
1,2-Dichloroethane	5	0.5	<0.28
1,1-Dichloroethene	7	0.7	<0.24
cis-1,2-Dichloroethene	70	7	26.0
trans-1,2-Dichloroethene	100	20	38.7
1,2-Dichloropropane	5	0.5	<0.28
1,3-Dichloropropane			<0.83
2,2-Dichloropropane			<2.3
1,1-Dichloropropene			<0.54
cis-1,3-Dichloropropene	0.4	0.04	<3.6
trans-1,3-Dichloropropene	0.4	0.04	<4.4
Diisopropyl ether			<1.9
Ethylbenzene	700	140	<0.22
Hexachloro-1,3-butadiene			<1.2
Isopropylbenzene			<0.39
p-Isopropyltoluene			<0.80
Methylene Chloride	5	0.5	<0.58
Methyl t-Butyl Ether	60	12	<1.2
Naphthalene	100	10	<1.2
n-Propylbenzene			<0.81
Styrene	100	10	<0.47
1,1,1,2-Tetrachloroethane	70	7	<0.27
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.28
Tetrachloroethylene	5	0.5	<0.33
Toluene	800	160	<0.17
1,2,3-Trichlorobenzene			<0.63
1,2,4-Trichlorobenzene	70	14	<0.95
1,1,1-Trichloroethane	200	40	<0.24
1,1,2-Trichloroethane	5	0.5	<0.55
Trichloroethylene	5	0.5	31.7
Trichlorofluoromethane	3,490	698	<0.21
1,2,3-Trichloropropane	60	12	<0.59
Total Trimethylbenzenes	480	96	<1.71
Vinyl Chloride	0.2	0.02	<0.17
Total Xylenes	2,000	400	<0.73

PAL = Preventative Action Limit

ES = Enforcement Standards

BOLD
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

Table 2z
CPZ17 Groundwater Analytical Results
Former Normington Dry Cleaners
Wisconsin Rapids, Wisconsin

PARAMETER	ES	PAL	CPZ17 10/1/18
Detected VOC's (ug/L)			
Benzene	5	0.5	<0.25
Bromobenzene			<0.24
Bromochloromethane			<0.36
Bromodichloromethane	0.6	0.06	<0.36
Bromoform	4.4	0.44	<4.0
Bromomethane	10	1	<0.97
n-Butylbenzene			<0.71
sec-Butylbenzene			<0.85
tert-Butylbenzene			<0.30
Carbon Tetrachloride	5	0.5	<0.17
Chlorobenzene			<0.71
Chloroethane	400	80	<1.3
Chloroform	6	0.6	<1.3
Chloromethane	30	3	<2.2
2-Chlorotoluene			<0.93
4-Chlorotoluene			<0.76
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.8
Dibromochloromethane	60	6	<2.6
1,2-Dibromoethane	0.05	0.005	<0.83
Dibromomethane			<0.94
1,2-Dichlorobenzene	600	60	<0.71
1,3-Dichlorobenzene	600	120	<0.63
1,4-Dichlorobenzene	75	15	<0.94
Dichlorodifluoromethane	1,000	200	<0.50
1,1-Dichloroethane	850	85	<0.27
1,2-Dichloroethane	5	0.5	<0.28
1,1-Dichloroethene	7	0.7	<0.24
cis-1,2-Dichloroethene	70	7	<0.27
trans-1,2-Dichloroethene	100	20	<1.1
1,2-Dichloropropane	5	0.5	<0.28
1,3-Dichloropropane			<0.83
2,2-Dichloropropane			<2.3
1,1-Dichloropropene			<0.54
cis-1,3-Dichloropropene	0.4	0.04	<3.6
trans-1,3-Dichloropropene	0.4	0.04	<4.4
Diisopropyl ether			<1.9
Ethylbenzene	700	140	<0.22
Hexachloro-1,3-butadiene			<1.2
Isopropylbenzene			<0.39
p-Isopropyltoluene			<0.80
Methylene Chloride	5	0.5	<0.58
Methyl t-Butyl Ether	60	12	<1.2
Naphthalene	100	10	<1.2
n-Propylbenzene			<0.81
Styrene	100	10	<0.47
1,1,1,2-Tetrachloroethane	70	7	<0.27
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.28
Tetrachloroethylene	5	0.5	12.9
Toluene	800	160	<0.17
1,2,3-Trichlorobenzene			<0.63
1,2,4-Trichlorobenzene	70	14	<0.95
1,1,1-Trichloroethane	200	40	<0.24
1,1,2-Trichloroethane	5	0.5	<0.55
Trichloroethylene	5	0.5	<i>1.3</i>
Trichlorofluoromethane	3,490	698	<0.21
1,2,3-Trichloropropane	60	12	<0.59
Total Trimethylbenzenes	480	96	<1.71
Vinyl Chloride	0.2	0.02	<0.17
Total Xylenes	2,000	400	<0.73

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<i>Italic</i>

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Table 2aa
CPZ18 Groundwater Analytical Results
Former Normington Dry Cleaners
Wisconsin Rapids, Wisconsin

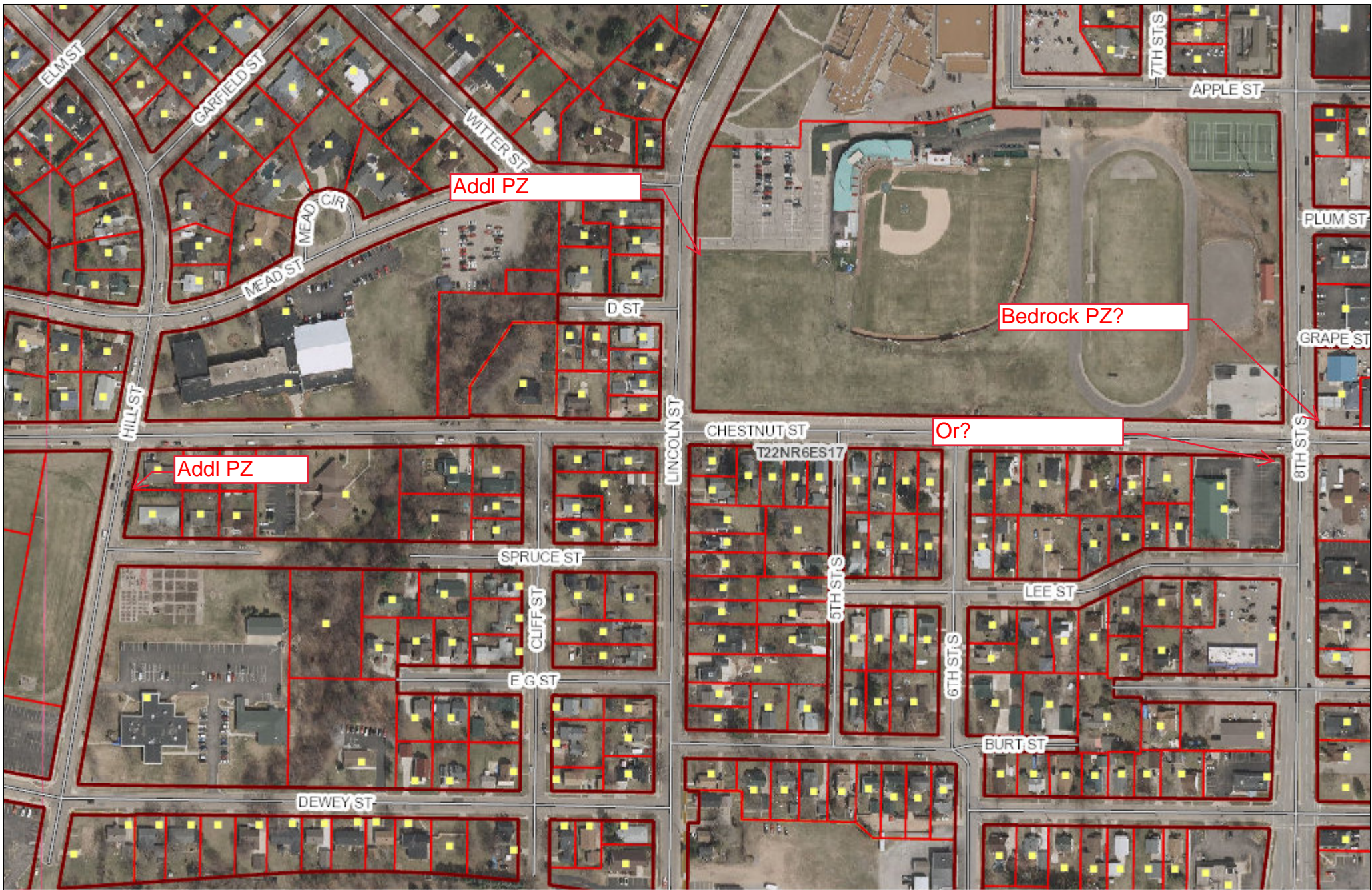
PARAMETER			CPZ18
	ES	PAL	10/1/18
Detected VOC's (ug/L)			
Benzene	5	0.5	<0.25
Bromobenzene			<0.24
Bromochloromethane			<0.36
Bromodichloromethane	0.6	0.06	<0.36
Bromoform	4.4	0.44	<4.0
Bromomethane	10	1	<0.97
n-Butylbenzene			<0.71
sec-Butylbenzene			<0.85
tert-Butylbenzene			<0.30
Carbon Tetrachloride	5	0.5	<0.17
Chlorobenzene			<0.71
Chloroethane	400	80	<1.3
Chloroform	6	0.6	<1.3
Chloromethane	30	3	<2.2
2-Chlorotoluene			<0.93
4-Chlorotoluene			<0.76
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.8
Dibromochloromethane	60	6	<2.6
1,2-Dibromoethane	0.05	0.005	<0.83
Dibromomethane			<0.94
1,2-Dichlorobenzene	600	60	<0.71
1,3-Dichlorobenzene	600	120	<0.63
1,4-Dichlorobenzene	75	15	<0.94
Dichlorodifluoromethane	1,000	200	<0.50
1,1-Dichloroethane	850	85	<0.27
1,2-Dichloroethane	5	0.5	<0.28
1,1-Dichloroethene	7	0.7	<0.24
cis-1,2-Dichloroethene	70	7	0.89j
trans-1,2-Dichloroethene	100	20	1.1j
1,2-Dichloropropane	5	0.5	<0.28
1,3-Dichloropropane			<0.83
2,2-Dichloropropane			<2.3
1,1-Dichloropropene			<0.54
cis-1,3-Dichloropropene	0.4	0.04	<3.6
trans-1,3-Dichloropropene	0.4	0.04	<4.4
Diisopropyl ether			<1.9
Ethylbenzene	700	140	<0.22
Hexachloro-1,3-butadiene			<1.2
Isopropylbenzene			<0.39
p-Isopropyltoluene			<0.80
Methylene Chloride	5	0.5	<0.58
Methyl t-Butyl Ether	60	12	<1.2
Naphthalene	100	10	<1.2
n-Propylbenzene			<0.81
Styrene	100	10	<0.47
1,1,1,2-Tetrachloroethane	70	7	<0.27
1,1,1,2,2-Tetrachloroethane	0.2	0.02	<0.28
Tetrachloroethylene	5	0.5	0.36j
Toluene	800	160	<0.17
1,2,3-Trichlorobenzene			<0.63
1,2,4-Trichlorobenzene	70	14	<0.95
1,1,1-Trichloroethane	200	40	<0.24
1,1,2-Trichloroethane	5	0.5	<0.55
Trichloroethylene	5	0.5	1.3
Trichlorofluoromethane	3,490	698	<0.21
1,2,3-Trichloropropane	60	12	<0.59
Total Trimethylbenzenes	480	96	<1.71
Vinyl Chloride	0.2	0.02	<0.17
Total Xylenes	2,000	400	<0.73

PAL = Preventative Action Limit

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Wood County Land Information Office

Disclaimer: This Map is NOT a Survey!!!

No information on this website is intended to serve as legal evidence of size, shape, location or ownership of real estate or environmental features including floodplains and wetlands. Wood county assumes no liability related to the use of this map. Property types open to the public for hunting should ALWAYS be verified by the Treasurer's Office.

