

From: Jason Powell <jasonp@metcohq.com>
Sent: Wednesday, April 17, 2019 1:11 PM
To: Saari, Christopher A - DNR
Cc: Ron Anderson
Subject: Smith's Union 76 Station - SSVS & GW Results - Solon Springs, WI (03-16-000069) (54873-0057-11-A)
Attachments: 1904_001.pdf

Chris, not sure if you are managing this one after Ralph left but attached are the SSVS & GW results from the 3/21/19 sampling event.

The SSVS results showed no exceedences of the VAL's for the source property building (2 sample locations) and the neighboring daycare building (1 sample location).

The groundwater results appear to be at least stable to even decreasing. Please note that we could not locate monitoring wells MW-4 & MW-9 (both have been historically clean) as they were under 2-7 feet of snow. Monitoring well MW-7 (clean the two previous rounds) appears to have been destroyed (likely hit with snow plow) and the on-site private well could not be sampled as the electricity has been shut off to the building.

Based on these results, can we go ahead and proceed with the closure request which we have costs approved for?

Thanks,

Jason Powell

METCO - Staff Scientist

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A.4 Vapor Analytical Table
 Sub-Slab Sampling Data Table for Smith's Union 76
 BY METCO

Sub-Slab Sampling conducted	Conducted on:					WDNR	
	6/4/2018	6/4/2018	6/4/2018	3/21/2019	3/21/2019	Small Commercial Sub-Slab Vapor Action Levels for Various VOCs Quick Look-Up Table Updated November, 2017 (ug/m ³)	
Sample ID	SS-01	SS-02	SS-03	SS-01	SS-03		

Benzene – ug/m ³	1.0	2.8	2.2	0.86	1.6	530	c
Carbon Tetrachloride – ug/m ³	<0.89	<0.92	<0.95	NS	NS	670	c
Chloroform – ug/m ³	<0.69	<0.71	<0.74	NS	NS	180	c
Chloromethane – ug/m ³	<0.58	1.7	<0.63	NS	NS	13000	n
Dichlorodifluoromethane – ug/m ³	10.1	<2.5	<2.6	NS	NS	15000	n
1,1-Dichloroethane (1,1-DCA) – ug/m ³	<1.1	<1.2	<1.2	NS	NS	2600	c
1,2-Dichloroethane (1,2-DCA) – ug/m ³	<0.57	<0.59	<0.61	NS	NS	160	c
1,1-Dichloroethylene (1,1-DCE) – ug/m ³	<1.1	<1.2	<1.2	NS	NS	29000	n
1,2-Dichloroethylene (cis and trans) – ug/m ³	<2.2	1.2-2.4	<2.4	NS	NS	NA	-
Ethylbenzene – ug/m ³	1.3	<1.3	<1.3	<1.2	<1.2	1600	c
Methylene chloride – ug/m ³	28.9	<5.1	<5.3	NS	NS	87000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m ³	<5.1	<5.3	<5.5	<5.2	<5.1	16000	c
Naphthalene – ug/m ³	6.5	<3.8	8.3	<3.8	<3.7	120	c
Tetrachloroethylene -ug/m ³	7.2	40.3	6.6	NS	NS	6000	n
Toluene – ug/m ³	2.1	2.6	2.1	1.2	2.6	730000	n
1,1,1-Trichloroethane – ug/m ³	<1.5	<1.6	<1.7	NS	NS	730000	n
Trichloroethylene – ug/m ³	<0.76	0.84	<0.81	NS	NS	290	n
Trichlorofluoromethane (Halcarbon 11) – ug/m ³	<1.6	<1.6	<1.7	NS	NS	NA	-
Trimethylbenzene (1,2,4) – ug/m ³	2.8	<1.4	<1.5	NS	NS	8700	n
Trimethylbenzene (1,3,5) – ug/m ³	<1.4	<1.4	<1.5	NS	NS	8700	n
Vinyl chloride – ug/m ³	<0.36	<0.37	<0.39	NS	NS	930	c
Xylene (total) -ug/m ³	8.6	<3.8	<3.9	3.2-4.4	<3.7	15000	n

ug/m³ = Micrograms per cubic meter.

< = Less than the reporting limit indicated in parentheses.

Bold = Sub-Slab Standard Exceedance

c = Carcinogen

n = Non Carcinogen

J = between Limit of Detection (LOD) and Limit of Quantitation (LOQ)

* Please note that other VOCs were detected that are not on the WDNR Sub-Slab Vapor Action Levels Quick Look-Up Table.

B = Compound was found in the blank and sample

E = Result exceeded calibration range

A.4 Vapor Analytical Table
 Sub-Slab Sampling Data Table for Smith's Union 76
 BY METCO

Sub-Slab Sampling conducted	Conducted on:	6/4/2018	3/21/2019	WDNR Residential Sub-Slab Vapor Action Levels for Various VOCs Quick Look-Up Table Updated November, 2017 (ug/m³)
	Sample ID	SS-04 (Daycare)	SS-04 (Daycare)	

Sample ID	SS-04 (Daycare)	SS-04 (Daycare)	(ug/m ³)	
Benzene – ug/m ³	0.74	<0.48	120	c
Carbon Tetrachloride – ug/m ³	<0.97	NS	160	c
Chloroform – ug/m ³	<0.75	NS	40	c
Chloromethane – ug/m ³	<0.64	NS	3100	n
Dichlorodifluoromethane – ug/m ³	4.5	NS	3300	n
1,1-Dichloroethane (1,1-DCA) – ug/m ³	<1.3	NS	600	c
1,2-Dichloroethane (1,2-DCA) - ug/m ³	<0.62	NS	37	c
1,1-Dichloroethylene (1,1-DCE) – ug/m ³	<1.2	NS	7000	n
1,2-Dichloroethylene (cis and trans) - ug/m ³	<2.4	NS	NA	-
Ethylbenzene – ug/m ³	<1.3	<1.3	370	c
Methylene chloride – ug/m ³	<5.4	NS	21000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m ³	<5.6	<5.5	3700	c
Naphthalene – ug/m ³	<4.0	<4.0	28	c
Tetrachloroethylene -ug/m ³	1.9	NS	1400	n
Toluene – ug/m ³	<1.2	<1.1	170000	n
1,1,1-Trichloroethane – ug/m ³	20.6	NS	170000	n
Trichloroethylene – ug/m ³	<0.83	NS	70	n
Trichlorofluoromethane (Halcarbon 11) – ug/m ³	<1.7	NS	NA	-
Trimethylbenzene (1,2,4) – ug/m ³	<1.5	<1.5	2100	n
Trimethylbenzene (1,3,5) – ug/m ³	<1.5	<1.5	2100	n
Vinyl chloride – ug/m ³	<0.40	NS	57	c
Xylene (total) -ug/m ³	<4.0	<3.9	3300	n

ug/m³ = Micrograms per cubic meter.
 < = Less than the reporting limit indicated in parentheses.
Bold = Sub-Slab Standard Exceedance
 c = Carcinogen
 n = Non Carcinogen
 J = between Limit of Detection (LOD) and Limit of Quantitation (LOQ)
 * Please note that other VOCs were detected that are not on the WDNR Sub-Slab Vapor Action Levels Quick Look-Up Table.
 B = Compound was found in the blank and sample
 E = Result exceeded calibration range
 - = Inhalation toxicity values are not available from U.S. EPA

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well MW-1

PVC Elevation = 1076.09 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1061.47	14.62	<0.7	<0.5	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
11/07/13	1061.44	14.65	1.2	44	1.36	<0.37	<1.2	2.22	1.43-2.26	1.75-2.56
02/19/14	COULD NOT LOCATE – UNDER SNOW PILE									
05/21/14	1062.44	13.65	<0.7	52	0.88	<0.37	<1.2	1.38	<1.69	<2.41
06/11/15	1062.31	13.78	NS	3.9	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/14/15	1062.00	14.09	NS	42	<0.73	<0.49	<2.6	1.52	<1.51	<2.06
12/10/15	1061.58	14.51	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
03/09/16	1061.65	14.44	NS	22.3	<0.73	<0.49	<2.6	0.98	<1.51	<2.06
06/20/18	1063.18	12.91	NS	6.0	<0.53	<0.57	<1.7	<0.45	<1.48	2.19
09/04/18	1062.03	14.06	NS	34	<0.53	<0.57	<1.7	1.64	<1.48	<1.58
03/21/19	1061.60	14.49	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
ENFORCEMENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

Note: Elevations are presented in feet mean sea level (msl).

Well MW-2

PVC Elevation = 1076.01 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1061.37	14.64	<0.7	<25	228	<40	<105	40	1500	1310
11/07/13	1061.36	14.65	0.9	3.14	22.7	<0.37	6	3.2	121	118
02/19/14	1061.02	14.99	<0.7	23.5	138	<3.7	54	13.8	775	740
05/21/14	1062.31	13.70	5.9	52	330	<18.5	65	<40	1270	1800
06/11/15	1062.09	13.92	1.3	20.7	153	<4.9	51	12	576	790
09/14/15	1061.91	14.10	1.5	24.7	309	<4.9	98	18.3	1162	1730
12/10/15	1061.45	14.56	1.4	<4.4	264	<11	70	7.3	923	1390
03/09/16	1061.55	14.46	<0.8	25.8	128	<4.9	38	14.6	550	745
06/20/18	1063.05	12.96	NS	34	850	<5.7	340	23	3040	5290
09/04/18	1061.92	14.09	NS	32	258	<11.4	127	11.7	1310	1650
03/21/19	1061.48	14.53	NS	<2.2	141	<2.8	65	<1.9	835	1010
ENFORCEMENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well MW-3 6-22-18 Resurveyed 1076.56
PVC Elevation = 1076.55 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1062.92	13.63	<0.7	<0.5	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
11/07/13	1062.87	13.68	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
02/19/14	1062.45	14.10	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
05/21/14	1063.86	12.69	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
06/11/15	1063.51	13.04	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/14/15	1063.35	13.20	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/10/15	1063.04	13.51	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
03/09/16	1063.05	13.50	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
06/20/18	1064.47	12.09	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
09/04/18	1063.52	13.04	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/21/19	1063.02	13.54	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

Note: Elevations are presented in feet mean sea level (msl).

Well MW-4 6-22-18 Resurveyed 1075.11
PVC Elevation = 1075.13 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1061.59	13.54	<0.7	<0.5	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
11/07/13	1061.59	13.54	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
02/19/14	COULD NOT LOCATE									
05/21/14	1062.56	12.57	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
06/11/15	1062.24	12.89	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/14/15	1062.25	12.88	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/10/15	1061.66	13.47	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
03/09/16	1061.61	13.52	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
06/20/18	1064.00	11.11	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
09/04/18	1062.19	12.92	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/21/19	COULD NOT LOCATE									
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well MW-7 6-22-18 Resurveyed 1069.14
PVC Elevation = 1069.57 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
11/07/13	1059.77	9.80	<0.7	116	430	<2.3	134	16.6	1267	1564
02/19/14	1059.52	10.05	<0.7	23.7	49	<0.37	9.8	2.41	74	185
05/21/14	1060.78	8.79	<0.7	0.87	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
06/11/15	1060.23	9.34	NS	8.5	29.8	<0.49	12	1.09	231	111.58
09/14/15	1060.16	9.41	NS	0.81	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/10/15	1059.82	9.75	NS	17.2	75	<1.1	29.9	0.66	265	279.24
03/09/16	1059.98	9.59	NS	35	231	<4.9	82	30.6	875	1065
06/20/18	1061.24	7.90	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
09/04/18	1060.17	8.97	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/21/19	DESTROYED									
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion
 ns = not sampled
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-8
PVC Elevation = 1064.48 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
11/07/13	1058.90	5.58	<0.7	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	1.56-2.19
02/19/14	COULD NOT ACCESS - WATER RUNNING OVER WELL									
05/21/14	1059.81	4.67	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	2.09-2.95	4.81
06/11/15	1059.06	5.42	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/14/15	1057.12	7.36	NS	<0.46	<0.73	<0.49	<2.6	<0.39	7-7.83	10.8-11.46
12/10/15	1058.87	5.61	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
03/09/16	1059.00	5.48	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
06/20/18	1060.29	4.19	NS	<0.22	<0.53	<0.57	<1.7	<0.45	5.2-5.95	4.1-4.68
09/04/18	ROAD GRADER FILLED IN TO 1.5'									
03/21/19	1055.27	9.21	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion
 ns = not sampled
 Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well MW-9

PVC Elevation = 1060.38 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
06/20/18	1059.98	0.40	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
09/04/18	1058.94	1.44	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/21/19	COULD NOT LOCATE									
ENFORCEMENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

Note: Elevations are presented in feet mean sea level (msl).

Well MW-10

PVC Elevation = 1069.94 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
06/20/18	1049.76	20.18	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
09/04/18	1050.97	18.97	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/21/19	1050.33	19.61	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
ENFORCEMENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Private Well 9182 E. Hughes

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/07/13	NM	NM	3.2	<0.24	<0.48	<0.49	<0.23	<0.24	<0.57	<0.94
02/19/14	NM	NM	<0.7	NOT SAMPLED						
05/21/14	NOT SAMPLED									
06/11/15	NM	NM	NOT SAMPLED							
09/14/15	NM	NM	NOT SAMPLED							
12/10/15	NM	NM	NOT SAMPLED							
03/09/16	NM	NM	NOT SAMPLED							
06/20/18	NM	NM	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
09/04/18	NM	NM	NOT SAMPLED							
03/21/19	NM	NM	NOT SAMPLED							
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

Note: Elevations are presented in feet mean sea level (msl).

Private Well 11423 S. Bus Hwy

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/07/13	NM	NM	<0.7	<0.24	<0.48	<0.49	<0.23	<0.24	<0.57	<0.94
02/19/14	NOT SAMPLED									
05/21/14	NOT SAMPLED									
06/11/15	NM	NM	NOT SAMPLED							
09/14/15	NM	NM	NOT SAMPLED							
12/10/15	NM	NM	NOT SAMPLED							
03/09/16	NM	NM	NOT SAMPLED							
06/20/18	NM	NM	NOT SAMPLED							
09/04/18	NM	NM	NOT SAMPLED							
03/21/19	NM	NM	NOT SAMPLED							
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Private Well 11427 S. Bus Hwy 53

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/07/13	NM	NM	<0.7	<0.24	<0.48	<0.49	<0.23	<0.24	<0.57	<0.94
02/19/14	NOT SAMPLED									
05/21/14	NOT SAMPLED									
06/11/15	NM	NM	NS	<0.46	<0.73	<0.49	<2.6	0.86	<1.51	<2.06
09/14/15	NM	NM	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/10/15	NM	NM	NS	<0.44	<0.71	<1.1	<1.6	0.5	<3.1	<3.1
03/09/16	NM	NM	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
06/20/18	NM	NM	NS	<0.22	<0.26	<0.28	<2.1	0.82	<1.43	<0.72
09/04/18	NM	NM	NOT SAMPLED							
03/21/19	NM	NM	NOT SAMPLED							
ENFORCEMENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

Note: Elevations are presented in feet mean sea level (msl).

Private Well Lucius County Park

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
06/20/18	NM	NM	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
09/04/18	NM	NM	NOT SAMPLED							
03/21/19	NM	NM	NOT SAMPLED							
ENFORCEMENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

Note: Elevations are presented in feet mean sea level (msl).

**A.6 Water Level Elevations
Smith's Union 76 LUST Site BRRTS# 03-16-000069
Solon Springs, Wisconsin**

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10
Ground Surface (feet msl)	1076.54	1076.64	1076.87	1075.52	1074.94	1077.21	1069.91	1064.88	NI	NI
6-22-18 Re-survey Ground Surface	1076.52	1076.61	1076.89	1075.61	1074.95	1077.22	1069.65	1065.04	1060.93	1070.55
PVC top (feet msl)	1076.09	1076.01	1076.55	1075.13	1074.47	1076.78	1069.57	1064.48	NI	NI
6-22-18 Resurveyd PVC top	1076.09	1076.01	1076.56	1075.11	1074.48	1076.78	1069.14	1064.48	1060.38	1069.94
Well Depth (feet)	20.00	20.00	21.00	20.00	20.00	20.00	14.50	14.50	13	30
Top of screen (feet msl)	1066.52	1066.61	1065.89	1065.61	1064.95	1067.22	1065.15	1060.54	1057.93	1050.55
Bottom of screen (feet msl)	1056.52	1056.61	1055.89	1055.61	1054.95	1057.22	1055.15	1050.54	1047.93	1040.55
Depth to Water From Top of PVC (feet)										
10/2/2012	14.62	14.64	13.63	13.54	13.12	15.75	NI	NI	NI	NI
11/7/2013	14.65	14.65	13.68	13.54	13.12	15.85	9.80	5.58	NI	NI
2/19/2014	USP	14.99	14.10	CNL	13.80	16.14	10.05	W	NI	NI
5/21/2014	13.65	13.70	12.69	12.57	11.99	14.65	8.79	4.67	NI	NI
6/11/2015	13.78	13.92	13.04	12.89	12.35	15.31	9.34	5.42	NI	NI
9/14/2015	14.09	14.10	13.20	12.88	12.55	15.43	9.41	7.36	NI	NI
12/10/2015	14.51	14.56	13.51	13.47	13.16	15.80	9.75	5.61	NI	NI
3/9/2016	14.44	14.46	13.50	13.52	13.20	15.55	9.59	5.48	NI	NI
6/20/2018	12.91	12.96	12.09	11.11	10.65	14.35	7.90	4.19	0.40	20.18
9/4/2018	14.06	14.09	13.04	12.92	12.40	14.35	8.97	Filled In	1.44	18.97
3/21/2019	14.49	14.53	13.54	CNL	13.01	15.52	Destroyed	9.21	CNL	19.61
Depth to Water From Ground Surface (feet)										
10/2/2012	15.07	15.27	13.95	13.93	13.59	16.18	NI	NI	NI	NI
11/7/2013	15.10	15.28	14.00	13.93	13.59	16.28	10.14	5.98	NI	NI
2/19/2014	USP	15.62	14.42	CNL	14.27	16.57	10.39	W	NI	NI
5/21/2014	14.10	14.33	13.01	12.96	12.46	15.08	9.13	5.07	NI	NI
6/11/2015	14.23	14.55	13.36	13.28	12.82	15.74	9.68	5.82	NI	NI
9/14/2015	14.54	14.73	13.52	13.27	13.02	15.86	9.75	7.76	NI	NI
12/10/2015	14.96	15.19	13.83	13.86	13.63	16.23	10.09	6.01	NI	NI
3/9/2016	14.89	15.09	13.82	13.91	13.67	15.98	9.93	5.88	NI	NI
6/20/2018	13.34	13.56	12.42	11.61	11.12	14.79	8.41	4.75	0.95	20.79
9/4/2018	14.49	14.69	13.37	13.42	12.87	14.79	9.48	Filled In	1.99	19.58
3/21/2019	14.92	15.13	13.87	CNL	13.48	15.96	Destroyed	9.77	CNL	20.22
Groundwater Elevation (feet msl)										
10/2/2012	1061.47	1061.37	1062.92	1061.59	1061.35	1061.03	NI	NI	NI	NI
11/7/2013	1061.44	1061.36	1062.87	1061.59	1061.35	1060.93	1059.77	1058.90	NI	NI
2/19/2014	USP	1061.02	1062.45	CNL	1060.67	1060.64	1059.52	W	NI	NI
5/21/2014	1062.44	1062.31	1063.86	1062.56	1062.48	1062.13	1060.78	1059.81	NI	NI
6/11/2015	1062.31	1062.09	1063.51	1062.24	1062.12	1061.47	1060.23	1059.06	NI	NI
9/14/2015	1062.00	1061.91	1063.35	1062.25	1061.92	1061.35	1060.16	1057.12	NI	NI
12/10/2015	1061.58	1061.45	1063.04	1061.66	1061.31	1060.98	1059.82	1058.87	NI	NI
3/9/2016	1061.65	1061.55	1063.05	1061.61	1061.27	1061.23	1059.98	1059.00	NI	NI
6/20/2018	1063.18	1063.05	1064.47	1064.00	1063.83	1062.43	1061.24	1060.29	1059.98	1049.76
9/4/2018	1062.03	1061.92	1063.52	1062.19	1062.08	1062.43	1060.17	Filled In	1058.94	1050.97
3/21/2019	1061.60	1061.48	1063.02	CNL	1061.47	1061.26	Destroyed	1055.27	CNL	1050.33

Note: Elevations are presented in feet mean sea level (msl).

NI = Not Installed

USP = Under Snow Pile

CNL = Could Not Locate

W = Water Over Well