-Approved by phone call 2-19-15. MSA will submit PECFA request.

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December 8, 2015

Tom Verstegen
Department of Natural Resources
625 E. County Road Y, Suite 700
Oshkosh, WI 54901-1805

Re: Status Report – Completion of Approved Scope of Work
Winners Circle Auto, Oxford, Wisconsin

BRRTS # 03-39-168015
PECFA # 53952-0150-15

Dear Tom:

This status report covers the period March 31, 2014 through January 7, 2015. A scope of work consisting of the installation of four piezometers wells, along with one round of groundwater sampling from all of the groundwater monitoring wells, was approved by the DNR on June 20, 2014. The following work has been completed during this period:

- The DNR requested a change order for a scope of work to include semi-annual groundwater sampling for one year along with a design modification to the existing remediation system to add air sparging wells. MSA prepared this change order request, and submitted it to the DNR on May 27, 2014.

- After review and further research, the DNR instead developed a scope of work to include additional monitoring well installation and sampling to define the extent of the contamination. After several communications between MSA and DNR, a scope of work was developed and approved on June 20, 2014.

- A request for permission to install four piezometer monitoring wells in the public right of way was submitted to the Village of Oxford for their approval on August 5, 2014. The four wells were proposed to be installed in the Village right of way of several streets and alleys downgradient of the Winner's Circle Auto Site. The Village approved the well installation on September 3, 2014.

- The four piezometer wells were installed October 21-23, 2014. All four wells are screened from 45 to 50 feet below the ground surface. MW-6P is installed next to MW-6 in the alley between Ormsby Street and Vallette Street. MW-8P is installed adjacent to MW-8 in Vallette Street in front of address 128. MW-9P is installed in Vallette Street in front of the Village Garage (former fire station). MW-10P is the furthest downgradient well, installed in front of 229 South Oxford Street.

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- The new wells were developed, sampled, and surveyed between December 9 and 10, 2014. Existing wells were also sampled during these dates.

This report presents the results of this additional investigation.

Geology and Hydrogeology

Although no soil sampling was conducted during the installation of the additional wells, observations of the cuttings from the augers indicates that the geology encountered was similar to that previously encountered at the area. A fine to medium grained sand unit is present at the surface down to a depth of approximately 25 feet, underlain by a very fine silt unit. These units likely represent glacial lake deposits.

Figures 4 and 5 illustrate the groundwater flow direction at this site in the December 2014 sampling. Figure 4 shows the flow direction in the water table wells, which is to the southwest, consistent with previous results. Figure 5 shows the flow direction in the piezometer wells. The flow direction is to the southwest, similar to that seen in the water table wells.

A downward hydraulic gradient is present at all three well nests. At MW-6/6P, the water levels were 859.90 and 858.96 feet mean sea level, respectively. At MW-7/7A, the water levels were 858.07 and 854.92 feet mean sea level, respectively. At MW8/8P, the water levels were 859.43 and 858.65 feet, respectively. A stronger downward hydraulic gradient is present at the furthest west well nest, MW-7/7A, likely due to the closer proximity to Neenah Creek, located approximately 200 feet to the west. It is presumed that Neenah Creek is the downgradient recharge point for the area, and that groundwater from this area is discharging to the creek valley.

Groundwater Analytical Results

Laboratory results from the December 2014 sampling have been compiled with previous results on the attached table and are summarized below:

- In the source area wells, MW-2 and MW-3, concentrations remain high, but decreased slightly in the latest sampling. Attached graphs illustrate that concentrations continue to have an increasing trend at MW-2, but show a decreasing trend at MW-3.

- At MW-4, the concentrations were below the enforcement standard for all compounds. This is in contrast to the March 2014 results, and appears to be related to the groundwater elevation, which somehow is impacting contaminant flow to this well. When the groundwater level rises, the concentrations decrease; when levels fall, the concentrations increase, sometimes by an order of magnitude or more as seen in March 2014.

- At MW-6, the only compound that exceeds an enforcement standard in December 2014 is benzene at 120 ug/L.

The other water table wells, including MW-1, MW-5, MW7, and MW-8, were all clean in December 2014. Based on this, the extent of the groundwater contamination at or near the water table surface is limited to the subject property and immediately downgradient. This is illustrated on Figure 6.

In the piezometer wells, the wells closest to the source area, such as MW-6P and MW-9P, do not have NR 140 enforcement standard exceedances. The methyl-tert butyl ether (MTBE) concentration at MW-6P is 10 ug/L in December 2014, well below the enforcement standard of 100 ug/L. However, with distance downgradient, the concentration increases, so that the highest concentration of MTBE of 210 ug/L is seen at MW-8P, with slightly lower concentrations of 150 ug/L at MW-7A and MW-10P. In addition, the benzene concentration at MW-10P was 6.7 ug/L, exceeding the enforcement standard of 5.0 ug/L.

An attached graph shows that the MTBE concentration at downgradient piezometer well MW-7A decreased slightly in December 2014 sampling, and appears to have stabilized.

These results indicate the extent of the contamination in the silt unit has not been defined. However, as noted previously, Neenah Creek is located immediately to the west of the properties on the west side of S. Oxford Street. It is presumed that this is a groundwater discharge point for the area, and therefore would represent the furthest possible western extent of the contamination.

No free product was detected in any of the monitoring wells during this investigation. It has not been detected at the site since November 2011.

Recommendations

Based on the results discussed above, MSA recommends the following:

- Four private residential properties are present on the south side of Chauncey Street that have not had their water supply wells sampled for petroleum contaminants as part of this investigation. They are shown on an attached figure from the Marquette County land records office, and are addresses 131, 147, 205, and 219 West Chauncey Street. MSA recommends sampling the water supply wells at these addresses for petroleum volatile organic compounds.

- Install and sample two to three additional piezometer wells to define the extent of the contamination in the silt unit. Potential locations for these wells are adjacent to addresses 121 S. Oxford Street (to define the northern extent), 219 W. Chauncey Street (to define the southwestern extent) and 128 W. Chauncey Street (to define the eastern extent).

- Conduct another round or two of groundwater sampling to begin to establish trends in the wells installed in 2014.

- The owner of the source property, Terry Berndt, has also requested that his water supply well at 115 W. Ormsby Street, located south of the building near the southeast corner of the

property, be included in a future sampling round. It has not been previously sampled during this investigation.

This report completes the DNR approved scope of work for this property. Tom, once you've had the opportunity to review this data, please call to discuss the next scope of work for this project.

Sincerely,

MSA Professional Services, Inc.

Jayne A. Englebert

Jayne A. Englebert, P.G.
Senior Hydrogeologist

JAE:
Enc.
cc: Terry Berndt, Owner
Steve Mullens, DPW, Village of Oxford
Richard Lyster, MSA

Laboratory Results - Groundwater
Winner's Circle Automotive, Oxford, Wisconsin

	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Tri-methyl-benzenes	Methyl-tert-butyl-ether	Naph-thalene	Lead	Total Nitrates	Total Sulfate	Dissolved Oxygen	pH	ORP	Water Level
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L		mV	MSL
NR 140 PAL	0.5	160	140	1000	96	12	10	1.5						
NR 140 ES	5	800	700	10000	480	60	100	15						
MW-1						*Top of Casing = 882.24 ft MSL*								
12-Jul-05	<0.40	<0.40	<0.50	<1.0	<0.50	<0.60	<0.60	<2.4						859.80
15-Nov-05	0.84	0.92	<0.40	1.4	<0.40	<0.40	<1.1	<1.5						858.85
6-Apr-07	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<2.8				5.75	7.15	22	859.77
19-Sep-07	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<2.8		8.4	57				860.31
28-Feb-08	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<2.8							859.95
26-Oct-09	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<2.8							860.05
15-Nov-11	<0.25	<0.25	<0.22	<0.39	<0.44	<0.23	<0.50							860.49
16-Feb-12	<0.25	<0.25	<0.22	<0.39	0.37	<0.23	1.7							859.89
31-May-12	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<2.5							861.02
23-Aug-12	<0.40	<0.50	<0.50	<1.70	<1.0	<0.40	<0.60							860.56
29-Nov-12	<0.40	<0.50	<0.50	<1.7	<1.0	<0.40	<0.60							859.43
3-Jun-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							860.43
30-Sep-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							861.24
31-Dec-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							860.46
31-Mar-14	<0.50	<0.50	<0.50	<1.5	<1.1	<0.40	<1.2							859.72
10-Dec-14	<0.50	<0.50	<0.50	<1.5	<1.1	<0.40	<1.2							860.64
MW-2						*Top of Casing = 881.86 ft MSL*								
12-Jul-05	**290**	**1900**	260	1900	413	<30	**120**	<2.4						859.59
15-Nov-05	**290**	**2000**	320	2170	**570**	29	**150**	<1.5						858.75
6-Apr-07	**0.3 feet of free product, no sample**													859.36
19-Sep-07	**490**	**7700**	**1600**	**10200**	**4280**	46	**1200**							860.22
28-Feb-08	**560**	**9300**	**1100**	7300	**1390**	<50	**410**							859.81
26-Oct-09	**920**	**21000**	**3000**	**20800**	**6700**	<100	**2000**							859.94
15-Nov-11	**380**	**25000**	**3500**	**25000**	**5700**	<12	**1400**							860.43
16-Feb-12	**270**	**23000**	**3300**	**24000**	**6400**	<58	**2500**							859.84
31-May-12	**20.9**	**3440**	**1070**	**9910**	**5120**	2.46	**1130**							860.93
23-Aug-12	**<400**	**18000**	**2200**	**21400**	**6100**	<400	**3300**							860.56
29-Nov-12	**<200**	**18000**	**2600**	**21200**	**6000**	<200	**1900**							859.45
3-Jun-13	**<130**	**7100**	**1800**	**16400**	**6700**	<130	**1600**							860.37
30-Sep-13	**<130**	**7200**	**2100**	**29000**	**12600**	<130	**7300**							861.27
31-Dec-13	**<250**	**11000**	**3400**	**46000**	**22000**	<250	**4100**							862.43
31-Mar-14	**<250**	**11000**	**2500**	**32000**	**10900**	<200	**4600**							859.71
10-Dec-14	**<250**	**2600**	**1100**	**23500**	**6500**	<200	**1300**							860.60

Laboratory Results - Groundwater
Winner's Circle Automotive, Oxford, Wisconsin

	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Tri-methyl-benzenes	Methyl-tert-butyl-ether	Naph-thalene	Lead	Total Nitrates	Total Sulfate	Dissolved Oxygen	pH	ORP	Water Level
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L		mV	MSL
NR 140 PAL	0.5	160	140	1000	96	12	10	1.5						
NR 140 ES	5	800	700	10000	480	60	100	15						
MW-3						*Top of Casing = 881.00 ft MSL*								
12-Jul-05	**3600**	**9800**	**1000**	5300	**920**	**1100**	**210**	**32.9**						859.53
15-Nov-05	**8400**	**25000**	**2600**	**14300**	**3510**	**1700**	**870**	**38.2**						858.42
6-Apr-07	**0.61 feet of free product, no sample**													859.03
19-Sep-07	**0.17 feet of free product, no sample**													859.10
28-Feb-08	buried in a snow pile													
26-Oct-09	**0.07 feet of free product, sample results below**													
26-Oct-09	**4600**	**43000**	**4500**	**11400**	**6600**	**<100**	**1600**							859.70
15-Nov-11	**0.04 feet of free product, sample results below**													
15-Nov-11	**2700**	**28000**	**3500**	**30000**	**11600**	<23	**3300**							860.22
16-Feb-12	**3900**	**42000**	**5100**	**33000**	**12300**	<58	**3900**							859.75
31-May-12	**2420**	**34800**	**9960**	**72100**	**48400**	27	**13800**							861.02
23-Aug-12	**2500**	**29000**	**4000**	**27600**	**14100**	**<400**	**9300**							860.46
29-Nov-12	**3800**	**41000**	**4100**	**25800**	**11300**	**<400**	**690**							860.33
3-Jun-13	**2200**	**38000**	**7700**	**56000**	**43800**	**<500**	**12000**							861.68
30-Sep-13	**1100**	**22000**	**3200**	**21300**	**7100**	**<500**	**4200**							861.13
31-Dec-13	**1600**	**28000**	**3800**	**28400**	**7000**	**<500**	**3000**							860.25
31-Mar-14	**2100**	**33000**	**5100**	**34000**	**15500**	**<800**	**6400**							859.53
10-Dec-14	**880**	**26000**	**3500**	**28600**	**5800**	**<400**	**1700**							860.43
MW-4						*Top of Casing = 879.48 ft MSL*								
12-Jul-05	**2200**	**9800**	**1600**	**7100**	**1420**	**1100**	**360**	**26.3**						859.41
15-Nov-05	**260**	**1400**	**400**	**2340**	**1080**	**78**	**270**	**17.9**						858.49
6-Apr-07	**860**	**8700**	**2200**	**11300**	**3240**	<25	**730**				0.08	6.64	-68	859.41
19-Sep-07	<0.50	1.8	13	159	167	<0.50	83		0.43	22				859.85
28-Feb-08	buried in a snow pile													
26-Oct-09	**44**	130	88	470	450	<5.0	**130**							859.66
15-Nov-11	**47**	**2100**	**1500**	**12000**	**3990**	<9.2	**600**							860.05
16-Feb-12	**<13**	**1400**	**1600**	**14000**	**4800**	<12	**870**							859.53
31-May-12	3.58	328	201	1720	**1013**	3.64	**246**							860.87
23-Aug-12	<80	**3100**	**2400**	**13900**	**3780**	**<80**	**980**							860.14
29-Nov-12	<80	**3300**	**3700**	**22800**	**5100**	**<80**	**1500**							859.00
3-Jun-13	<0.50	<0.50	<0.40	<1.40	3.0	<0.50	1.9							860.19
30-Sep-13	**12**	3.0	12	46.7	9.4	<0.50	2.6							860.87
31-Dec-13	<0.50	1.3	0.9	42.6	27	<0.50	5.5							860.06
31-Mar-14	**<130**	**1300**	**2900**	**19100**	**4900**	**<100**	**1500**							859.40
10-Dec-14	<2.5	8.3	36	490	213	<2.0	23							860.25

Laboratory Results - Groundwater
Winner's Circle Automotive, Oxford, Wisconsin

	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Tri-methyl-benzenes	Methyl-tert-butyl-ether	Naph-thalene	Lead	Total Nitrates	Total Sulfate	Dissolved Oxygen	pH	ORP	Water Level
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L		mV	MSL
NR 140 PAL	0.5	160	140	1000	96	12	10	1.5						
NR 140 ES	5	800	700	10000	480	60	100	15						
MW-5						*Top of Casing = 879.06 ft MSL*								
15-Nov-05	**1800**	640	**730**	2210	**770**	**680**	**210**	<1.5						858.39
6-Apr-07	**240**	6.6	190	131	291	**70**	**140**							859.32
19-Sep-07	**17**	<0.50	12	4.3	16.9	4.8	13		1.8	16				859.73
28-Feb-08	**11**	<0.50	10	<1.0	23.7	3.0	20							859.36
26-Oct-09	4.7	<0.50	16	<1.0	22.9	<0.50	10							859.51
15-Nov-11	0.51	0.97	3.5	7.4	5.26	<0.23	1.7							859.91
16-Feb-12	<0.25	<0.25	<0.22	<0.39	0.26	<0.23	0.6							859.38
31-May-12	<0.25	<0.25	<0.25	<0.25	0.486	<0.25	3.66							860.77
23-Aug-12	1.2	2.1	24	50	30.7	<0.40	15							859.97
29-Nov-12	1.1	2.1	7.4	24	10.5	<0.40	4.6							858.89
3-Jun-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							860.11
30-Sep-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							860.69
31-Dec-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							859.95
31-Mar-14	0.62	<0.50	2.2	<1.50	2.9	<0.40	5.6							859.31
10-Dec-14	<0.50	<0.50	<0.50	<1.5	<1.1	<0.40	<1.2							860.12
MW-6						*Top of Casing = 878.75 ft MSL*								
15-Nov-05	**4800**	**2600**	**980**	2900	470	**750**	**190**	<1.5						858.14
6-Apr-07	<0.50	<0.50	<0.50	<1.0	<0.50	2.2	<2.8							859.22
19-Sep-07	**7.1**	<0.50	<0.50	1.4	0.42	12	<2.8		8.9	13				859.46
28-Feb-08	**4600**	**13000**	**2100**	**11000**	**2150**	<50	**550**							859.03
26-Oct-09	**9.3**	<0.50	2.4	41	75	<0.50	16							859.26
15-Nov-11	**80**	310	58	470	164	<2.3	31							858.70
16-Feb-12	well is in a large puddle - did not sample													
31-May-12	1.64	1.3	0.71	21.6	25.1	<0.25	9.01							860.70
23-Aug-12	**780**	**2400**	610	3030	**740**	<20	**280**							859.72
29-Nov-12	**1800**	**6300**	**1700**	8200	**1720**	<40	**570**							858.69
3-Jun-13	**7.1**	34	5.8	25.9	7.4	<0.50	2.6							859.93
30-Sep-13	**83**	310	69	320	48	0.53	22							860.40
31-Dec-13	**25**	5.8	6.5	13.7	6.13	<0.50	5.7							859.73
31-Mar-14	**98**	6.6	35	106.4	73	<2.0	31							859.20
10-Dec-14	**120**	450	100	640	184	<4.0	52							859.90
MW-6P						*Top of Casing = 878.82 ft MSL*								
10-Dec-14	2.0	4.6	0.89	4.2	0.77	10	<0.50							858.96

Laboratory Results - Groundwater
Winner's Circle Automotive, Oxford, Wisconsin

	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Tri-methyl-benzenes	Methyl-tert-butyl-ether	Naph-thalene	Lead	Total Nitrates	Total Sulfate	Dissolved Oxygen	pH	ORP	Water Level
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L		mV	MSL
NR 140 PAL	0.5	160	140	1000	96	12	10	1.5						
NR 140 ES	5	800	700	10000	480	60	100	15						
MW-7						*Top of Casing = 875.44 ft MSL*								
6-Apr-07	<0.50	<0.50	0.73	<1.0	0.89	3.4	<2.8				3.02	7.55	152.73	857.61
19-Sep-07	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<2.8		0.33	9.6				857.67
28-Feb-08	<0.50	<0.50	<0.50	<1.0	<0.50	2.8	<2.8							857.16
26-Oct-09	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<2.8							857.44
15-Nov-11	<0.25	<0.25	<0.22	<0.39	<0.44	0.34	<0.50							857.84
16-Feb-12	<0.25	<0.25	<0.22	<0.39	<0.44	<0.23	<0.50							857.46
31-May-12	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<2.50							859.20
23-Aug-12	<0.40	<0.50	<0.50	<1.70	<1.0	<0.40	<0.60							857.62
29-Nov-12	<0.40	<0.50	<0.50	<1.7	<1.0	<0.40	<0.60							856.88
3-Jun-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							858.52
30-Sep-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							858.35
31-Dec-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							857.96
31-Mar-14	<0.50	<0.50	<0.50	<1.50	<1.10	<0.40	<1.2							857.45
10-Dec-14	<0.50	<0.50	<0.50	<1.5	<1.1	<0.40	<1.2							858.07
MW-7A						*Top of Casing = 875.46 ft MSL*								
6-Apr-07	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<2.8				2.09	7.72	218	855.21
19-Sep-07	<0.50	<0.50	<0.50	<1.0	<0.50	1.4	<2.8		0.46	23				855.03
28-Feb-08	0.78	<0.50	<0.50	<1.0	<0.50	23	<2.8							854.81
26-Oct-09	0.61	<0.50	<0.50	<1.0	<0.50	46	<2.8							855.63
15-Nov-11	<0.25	<0.25	<0.22	0.46	0.39	**95**	<0.50							854.66
16-Feb-12	<0.25	<0.25	<0.22	<0.39	0.58	**100**	<0.50							855.20
31-May-12	3.49	<0.25	<0.25	<0.25	1.04	**145**	<2.50							855.24
23-Aug-12	2.8	<0.50	1.9	0.65	<1.00	**160**	0.96							855.13
29-Nov-12	2.0	<0.50	1.7	<1.7	<1.0	**110**	<0.60							855.16
3-Jun-13	<2.5	<2.5	<2.0	<7.0	<4.0	**140**	<2.5							855.96
30-Sep-13	<2.5	<2.5	4.2	<7.0	3.2	**160**	5.7							855.78
31-Dec-13	<2.5	<2.5	<2.0	<7.0	<4.0	**160**	<2.5							855.90
31-Mar-14	<2.5	<2.5	<2.5	<7.5	<5.5	**170**	6.8							855.07
9-Dec-14	1.2	<0.50	0.55	<1.5	<1.1	**150**	<1.2							854.92

Laboratory Results - Groundwater
Winner's Circle Automotive, Oxford, Wisconsin

	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Tri-methyl-benzenes	Methyl-tert-butyl-ether	Naph-thalene	Lead	Total Nitrates	Total Sulfate	Dissolved Oxygen	pH	ORP	Water Level
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L		mV	MSL
NR 140 PAL	0.5	160	140	1000	96	12	10	1.5						
NR 140 ES	5	800	700	10000	480	60	100	15						
MW-8						*Top of Casing = 877.23 ft MSL*								
6-Apr-07	**1500**	<25	470	840	440	**1000**	**140**				1.61	7.27	19.36	858.82
19-Sep-07	**42**	<0.50	13	4.01	8.3	33	5.8		0.34	7.3				859.01
28-Feb-08	**150**	1.1	46	2.1	63	**160**	48							857.57
26-Oct-09	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<2.8							858.77
15-Nov-11	<0.25	<0.25	<0.22	<0.39	<0.44	0.46	<0.50							859.14
16-Feb-12	<0.25	<0.25	<0.22	<0.39	<0.44	<0.23	<0.50							858.74
31-May-12	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<2.50							860.38
23-Aug-12	<0.40	<0.50	<0.50	<1.70	<1.0	<0.40	<0.60							859.14
29-Nov-12	<0.40	<0.50	<0.50	<1.7	<1.0	1.1	<0.60							858.16
3-Jun-13	<0.50	<0.50	<0.40	<1.40	<0.80	0.75	<0.50							859.65
30-Sep-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							859.85
31-Dec-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							859.25
31-Mar-14	<0.50	<0.50	<0.50	<1.50	<1.10	<0.40	<1.2							858.65
9-Dec-14	<0.50	<0.50	<0.50	<1.5	<1.1	<0.40	<1.2							859.43
MW-8P						*Top of Casing = 876.53 ft MSL*								
9-Dec-14	0.59	<0.50	<0.50	<1.5	<1.1	**210**	<0.50							858.65
MW-9P						*Top of Casing = 875.60 ft MSL*								
9-Dec-14	<0.25	<0.50	<0.50	<1.50	<1.1	1.5	<0.50							859.18
MW-10P						*Top of Casing = 870.20 ft MSL*								
9-Dec-14	**6.7**	<0.50	<0.50	<1.5	<1.1	**150**	<0.50							851.65
Village Hall	(former Fire Department)													
29-Nov-12	<0.40	<0.50	<0.50	<1.7	<1.0	<0.40	<0.60							
128 S. Oxford	Roos 2" well used for yard watering and laundry													
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
128 S. Oxford	Roos 6" well used for drinking water													
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
5-Jan-12	<0.25	<0.26	<0.22	<0.39	<0.44	<0.23	<0.50							
31-Dec-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							
129 S. Oxford														
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
23-Aug-12	<0.40	<0.50	<0.50	<1.70	<1.0	<0.40	<0.60							
3-Jun-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							

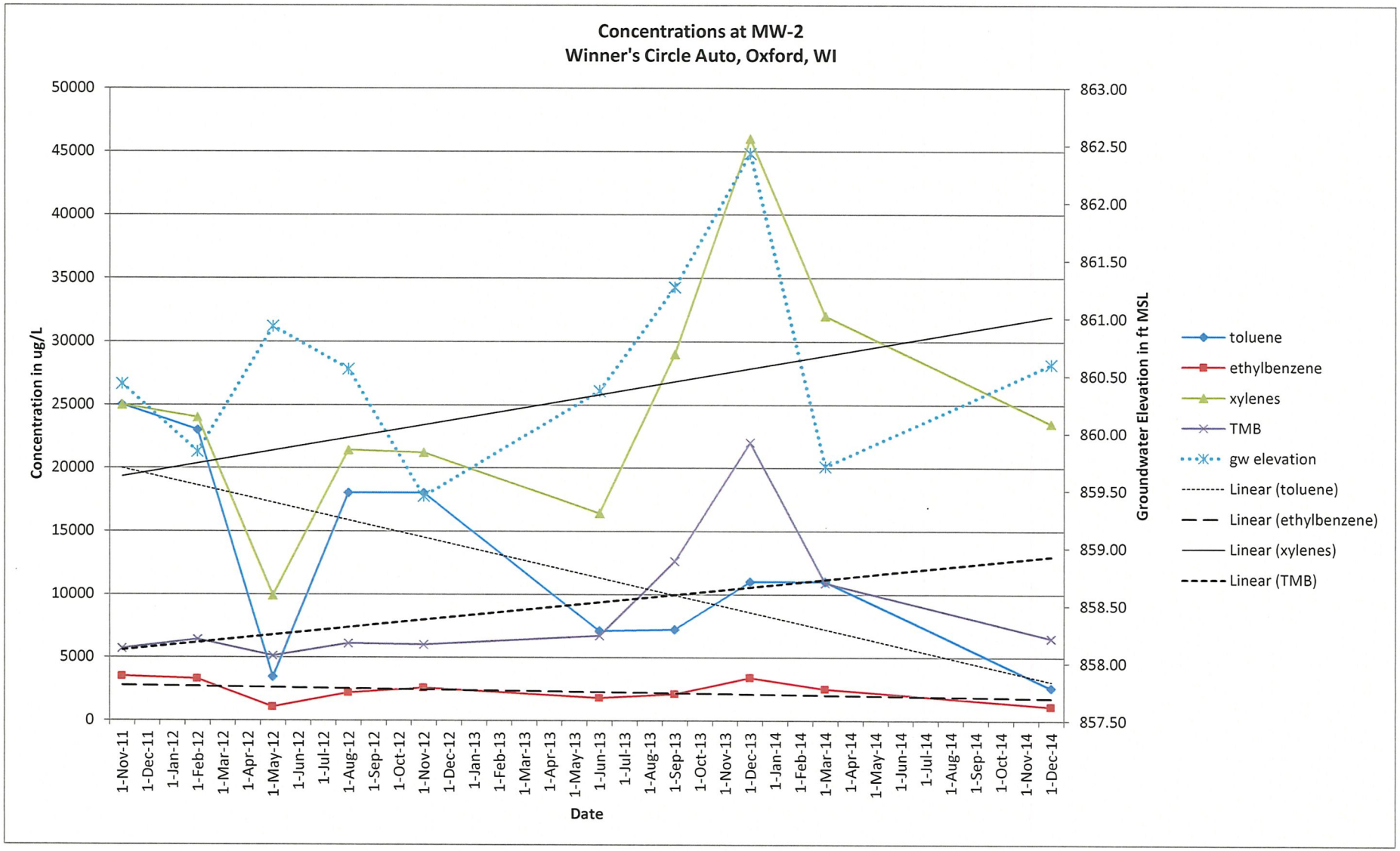
Laboratory Results - Groundwater
Winner's Circle Automotive, Oxford, Wisconsin

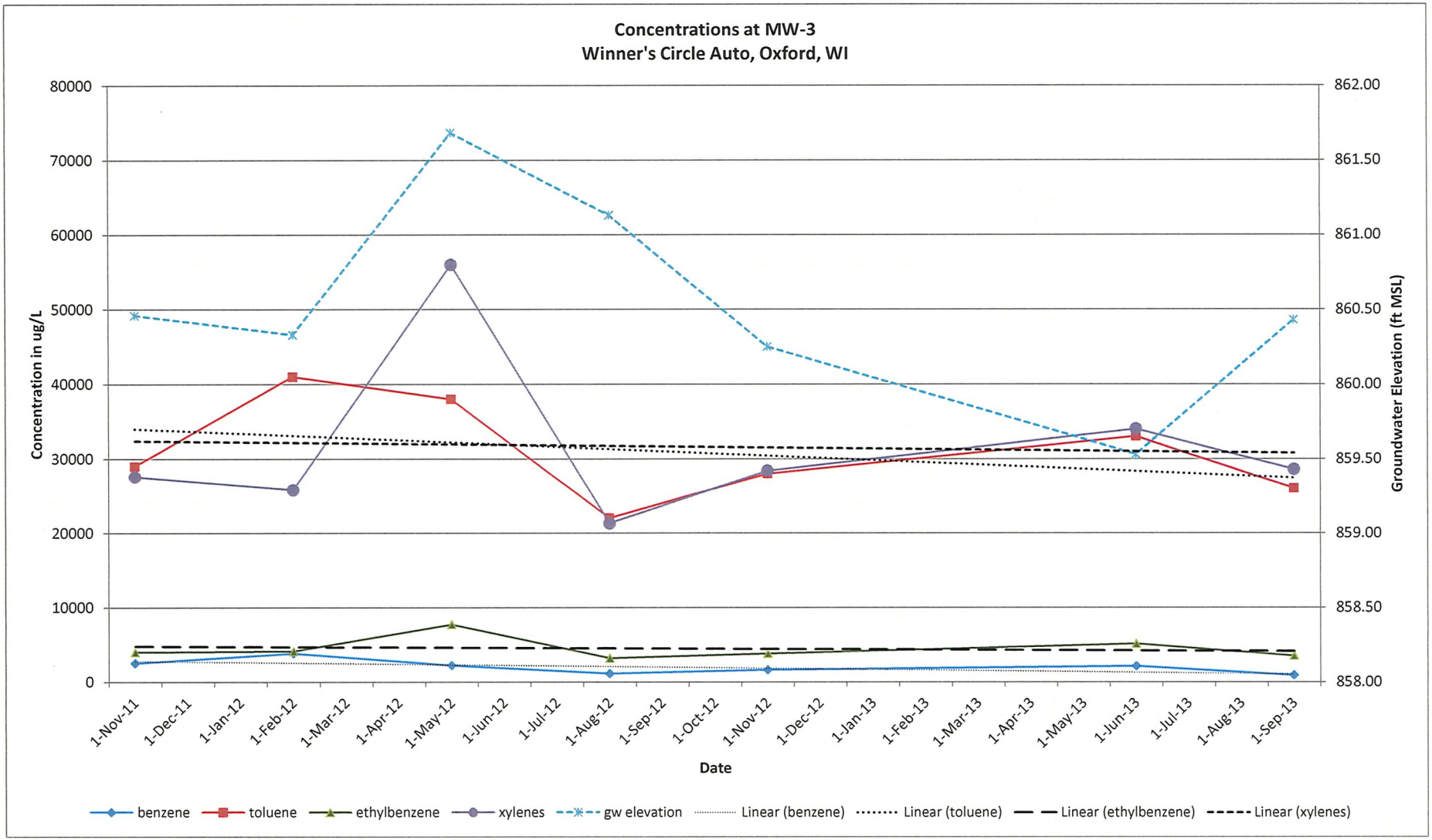
	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Tri-methyl-benzenes	Methyl-tert-butyl-ether	Naph-thalene	Lead	Total Nitrates	Total Sulfate	Dissolved Oxygen	pH	ORP	Water Level
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L		mV	MSL
NR 140 PAL	0.5	160	140	1000	96	12	10	1.5						
NR 140 ES	5	800	700	10000	480	60	100	15						
209 S. Oxford														
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
5-Jan-12	<0.25	<0.25	<0.22	<0.39	<0.44	<0.23	<0.50							
3-Jun-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							
229 S. Oxford														
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
31-May-12	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<2.50							
31-Dec-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							
138 Chauncey														
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
29-Nov-12	<0.40	<0.50	<0.50	<1.7	<1.0	<0.40	<0.60							
31-Mar-14	<0.50	<0.50	<0.50	<1.50	<1.10	<0.40	<1.2							
120 Chauncey														
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
223 Franklin														
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
229 Franklin														
	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
128 Vallette - Lightfoot														
15-Nov-05	<0.21	<0.23	<0.10	<0.22	<0.12	<0.12	<0.15							
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
16-Feb-12	vacant, for sale													
29-Nov-12	vacant, for sale													
31-Dec-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							
201 S. Oxford														
19-Sep-07	<0.12	<0.28	<0.25	<0.40	<0.40	<0.13	<0.25							
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
23-Aug-12	<0.40	<0.50	<0.50	<1.70	<1.00	<0.40	<0.60							
3-Jun-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							
214 S. Oxford - Lloyd														
26-Feb-08	<0.12	<0.28	<0.25	<0.40	<0.40	<0.13	<0.25							
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
5-Jan-12	<0.25	<0.25	<0.22	<0.39	<0.44	<0.23	<0.50							
31-Dec-13	vacant, no occupant													
31-Mar-14	<0.50	<0.50	<0.50	<1.50	<1.10	<0.40	<1.2							

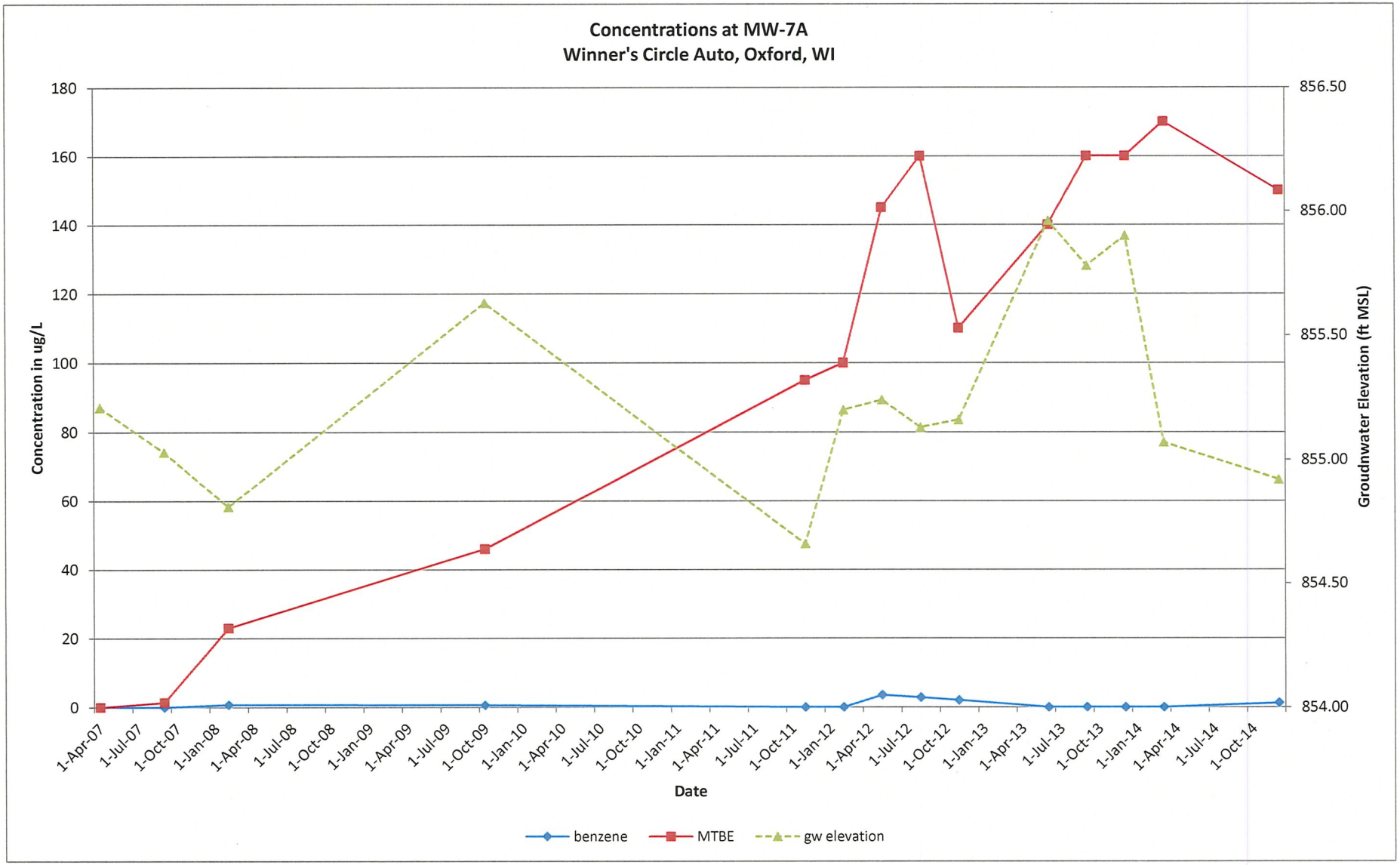
Laboratory Results - Groundwater
Winner's Circle Automotive, Oxford, Wisconsin

	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Tri-methyl-benzenes	Methyl-tert-butyl-ether	Naph-thalene	Lead	Total Nitrates	Total Sulfate	Dissolved Oxygen	pH	ORP	Water Level
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L		mV	MSL
NR 140 PAL	0.5	160	140	1000	96	12	10	1.5						
NR 140 ES	5	800	700	10000	480	60	100	15						
209 Franklin - Drinkwater														
26-Feb-08	<0.12	<0.28	<0.25	<0.40	<0.40	<0.13	<0.25							
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
215 Franklin - Morgan														
26-Feb-08	<0.12	<0.28	<0.25	<0.40	<0.40	<0.13	<0.25							
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
125 Vallette - Siekert														
26-Feb-08	<0.12	<0.28	<0.25	<0.40	<0.40	<0.13	<0.25							
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
31-May-12	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<2.50							
31-Mar-14	<0.50	<0.50	<0.50	<1.50	<1.10	<0.40	<1.2							
133 Vallette - Ellis														
26-Feb-08	<0.12	<0.28	<0.25	<0.40	<0.40	<0.13	<0.25							
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
31-May-12	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<2.50							
31-Dec-13	<0.50	<0.50	<0.40	<1.40	<0.80	<0.50	<0.50							
141 Vallette - Long														
26-Feb-08	<0.12	<0.28	<0.25	<0.40	<0.40	<0.13	<0.25							
26-Oct-09	<0.16	<0.20	<0.28	<0.50	<0.24	<0.23	<0.60							
5-Jan-12	<0.25	<0.25	<0.22	<0.39	<0.44	<0.23	<0.50							
31-Mar-14	<0.50	<0.50	<0.50	<1.50	<1.10	<0.40	<1.2							

PAL = Wisconsin Administrative Code NR 140 preventive action limit
ES = Wisconsin Administrative Code NR 140 enforcement standard
MSL = mean sea level
Values in BOLD exceed NR 140 enforcement standard


Concentrations at MW-2
Winner's Circle Auto, Oxford, WI
Concentration in ug/L
Groundwater Elevation in ft MSL
Date
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
863.00
862.50
862.00
861.50
861.00
860.50
860.00
859.50
859.00
858.50
858.00
857.50
1-Nov-11
1-Dec-11
1-Jan-12
1-Feb-12
1-Mar-12
1-Apr-12
1-May-12
1-Jun-12
1-Jul-12
1-Aug-12
1-Sep-12
1-Oct-12
1-Nov-12
1-Dec-12
1-Jan-13
1-Feb-13
1-Mar-13
1-Apr-13
1-May-13
1-Jun-13
1-Jul-13
1-Aug-13
1-Sep-13
1-Oct-13
1-Nov-13
1-Dec-13
1-Jan-14
1-Feb-14
1-Mar-14
1-Apr-14
1-May-14
1-Jun-14
1-Jul-14
1-Aug-14
1-Sep-14
1-Oct-14
1-Nov-14
1-Dec-14
toluene
ethylbenzene
xylenes
TMB
gw elevation
Linear (toluene)
Linear (ethylbenzene)
Linear (xylenes)
Linear (TMB)


Concentrations at MW-3
Winner's Circle Auto, Oxford, WI
Concentration in ug/L
Groundwater Elevation (ft MSL)
80000
70000
60000
50000
40000
30000
20000
10000
0
862.00
861.50
861.00
860.50
860.00
859.50
859.00
858.50
858.00
1-Nov-11
1-Dec-11
1-Jan-12
1-Feb-12
1-Mar-12
1-Apr-12
1-May-12
1-Jun-12
1-Jul-12
1-Aug-12
1-Sep-12
1-Oct-12
1-Nov-12
1-Dec-12
1-Jan-13
1-Feb-13
1-Mar-13
1-Apr-13
1-May-13
1-Jun-13
1-Jul-13
1-Aug-13
1-Sep-13
Date
benzene
toluene
ethylbenzene
xylenes
gw elevation
Linear (benzene)
Linear (toluene)
Linear (ethylbenzene)
Linear (xylenes)


Concentrations at MW-7A
Winner's Circle Auto, Oxford, WI
Concentration in ug/L
Groudnwater Elevation (ft MSL)
Date
180
160
140
120
100
80
60
40
20
0
856.50
856.00
855.50
855.00
854.50
854.00
1-Apr-07
1-Jul-07
1-Oct-07
1-Jan-08
1-Apr-08
1-Jul-08
1-Oct-08
1-Jan-09
1-Apr-09
1-Jul-09
1-Oct-09
1-Jan-10
1-Apr-10
1-Jul-10
1-Oct-10
1-Jan-11
1-Apr-11
1-Jul-11
1-Oct-11
1-Jan-12
1-Apr-12
1-Jul-12
1-Oct-12
1-Jan-13
1-Apr-13
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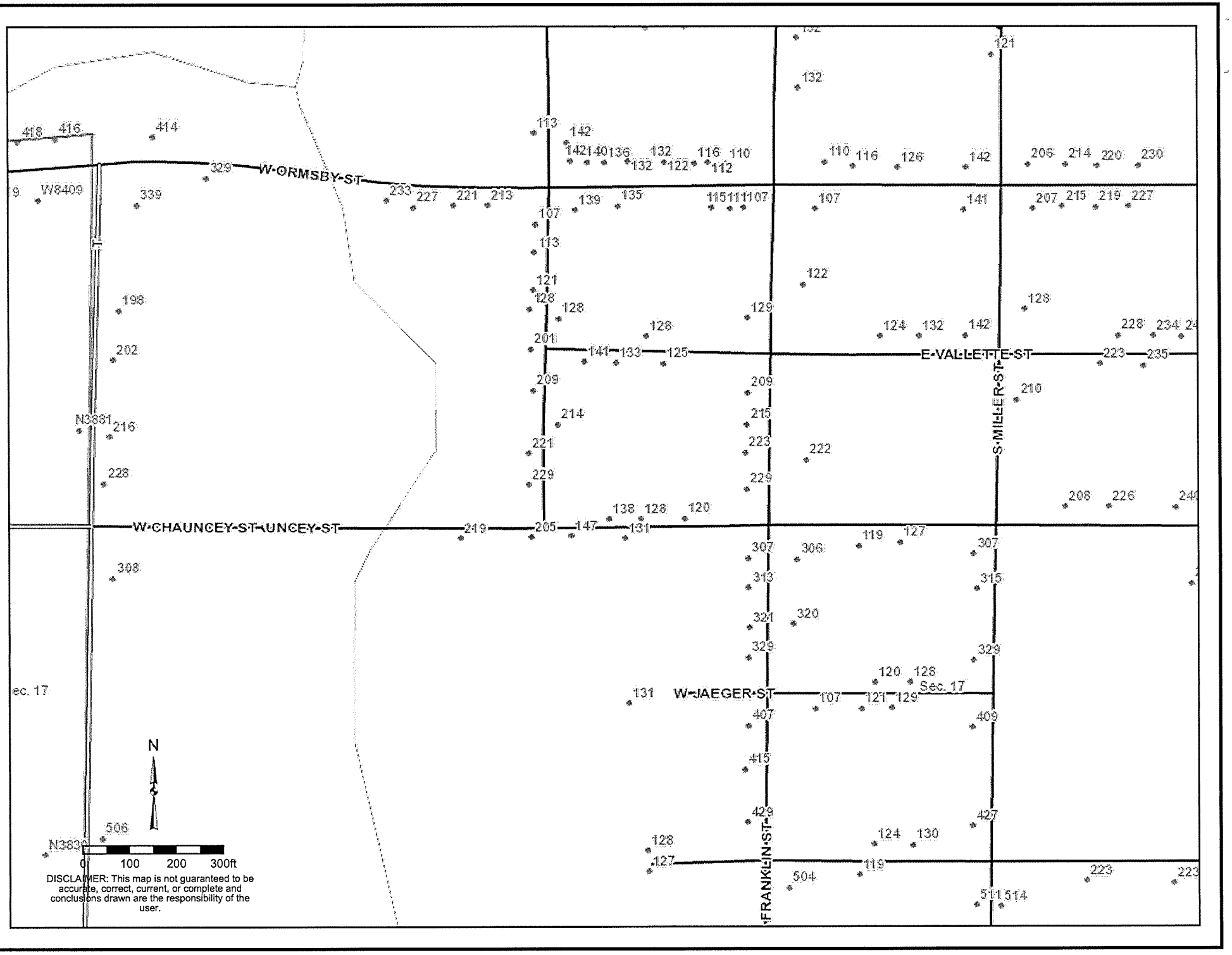
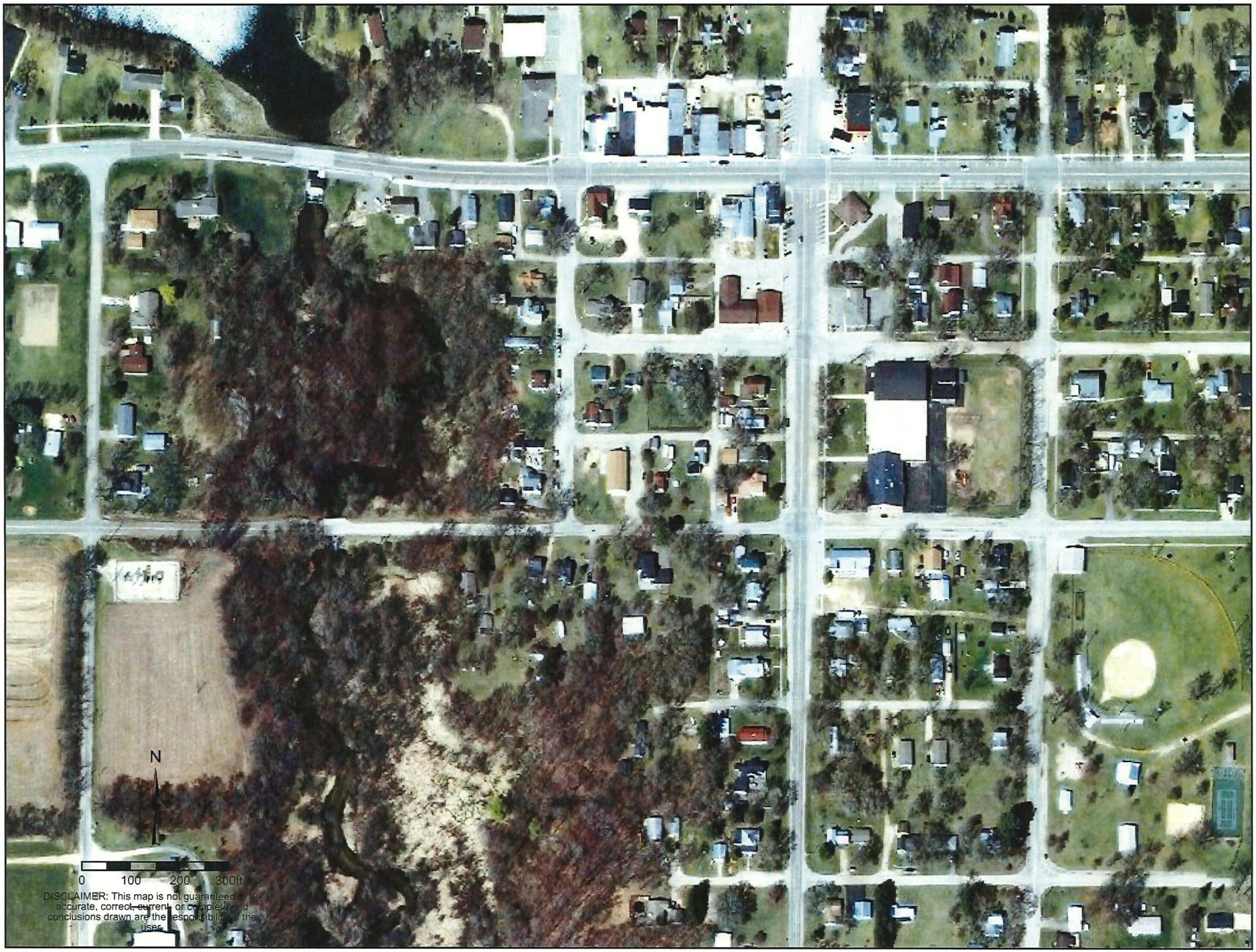
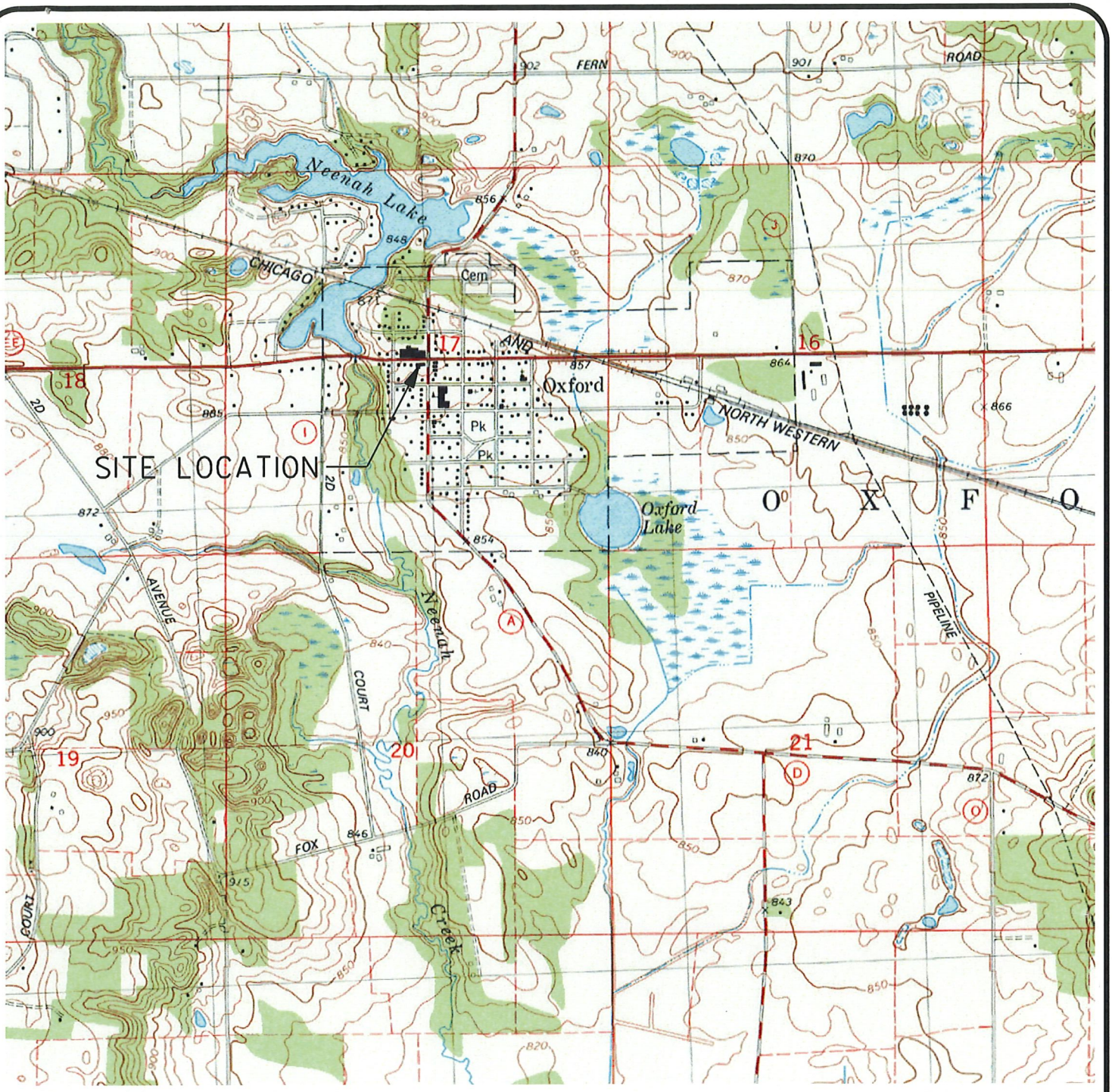
1-Jan-14
1-Apr-14
1-Jul-14
1-Oct-14
benzene
MTBE
gw elevation


W-ORMSBY-ST
E-VALLETTE-ST
S-MILLER-ST
W-CHAUNCEY-ST-UNCEY-ST
W-JAEGER-ST
FRANKLIN-ST
Sec. 17
ec. 17
N
0 100 200 300ft
DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.


N
0 100 200 300ft
DISCLAIMER: This map is not guaranteed to be accurate, correct, current or complete and conclusions drawn are the responsibility of the user.



2000 0 2000

SCALE IN FEET

N
W E
S

Oxford Quadrangle
Wisconsin - Marquette County
7.5 Minute Series (Topographic)

Contour Interval 10 Feet
1979
Photo Inspected 1981

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301 West First Street, Duluth, MN 55802
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FIGURE 1
SITE LOCATION MAP
WINNER'S CIRCLE AUTOMOTIVE
115 West Ormsby Street
Oxford, WI 53952

213212F1

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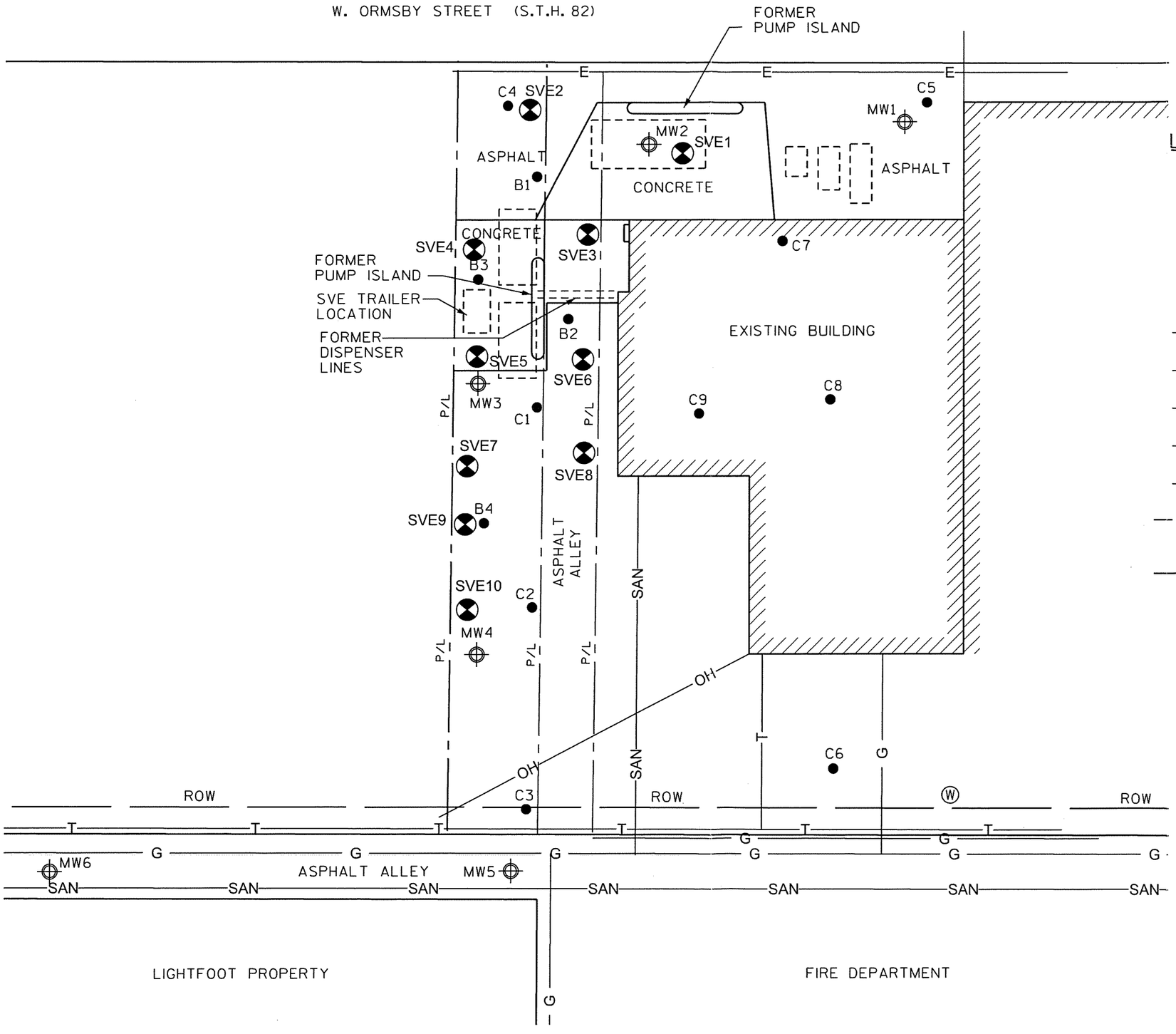

LEGEND

- Ⓦ — POTABLE WELL (TYP.)
- ● — SOIL BORING LOCATION (TYP.)
- ⊕ — MONITORING WELL LOCATION (TYP.)
- ⬚ — FORMER UST LOCATION
- —— G —— NATURAL GAS LINE
- ——T—— UNDERGROUND TELEPHONE
- ——E—— UNDERGROUND ELECTRIC
- -OH—— OVERHEAD ELECTRIC
- ——SAN—— SANITARY SEWER
- P/L — — — APPROXIMATE PROPERTY LINE
- ROW ——— RIGHT-OF-WAY LINE
- ⊗ — SVE WELL (TYP.)

N W E S

20 0 20

SCALE IN FEET

FIGURE 2

SOIL VAPOR EXTRACTION SYSTEM LAYOUT

WINNER'S CIRCLE AUTO
OXFORD, WISCONSIN

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1230 South Boulevard Baraboo, WI 53913
608-356-2771 1-800-362-4505 Fax: 608-356-2770

DRAWN BY	CAR	DATE	9-20-12
CHECKED BY		SCALE	AS NOTED

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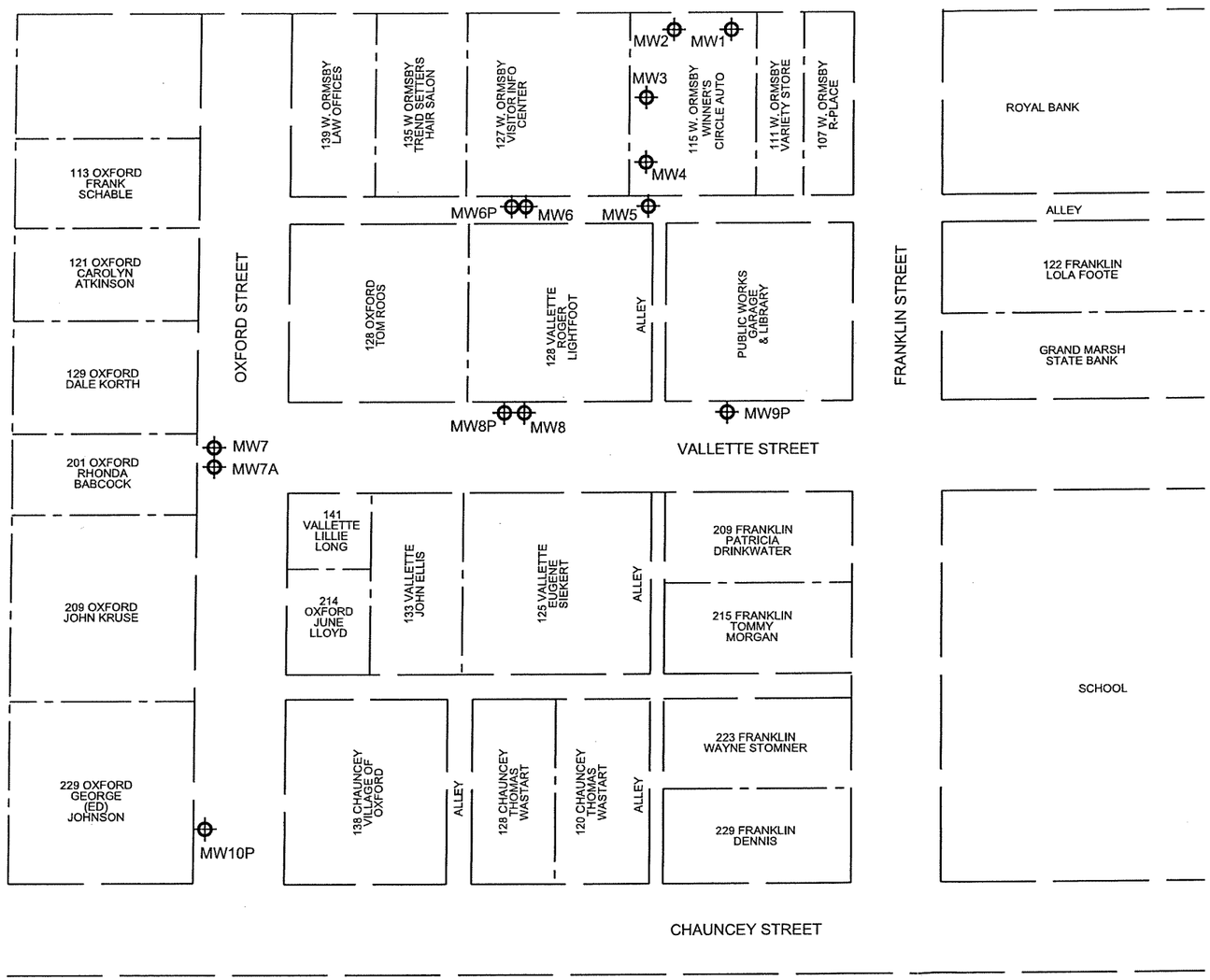

LEGEND

⊕ EXISTING MONITORING WELL

N
W E
S

0 50 100 200

FIGURE 3

MONITORING WELL LOCATIONS

WINNER'S CIRCLE AUTO
OXFORD, WISCONSIN

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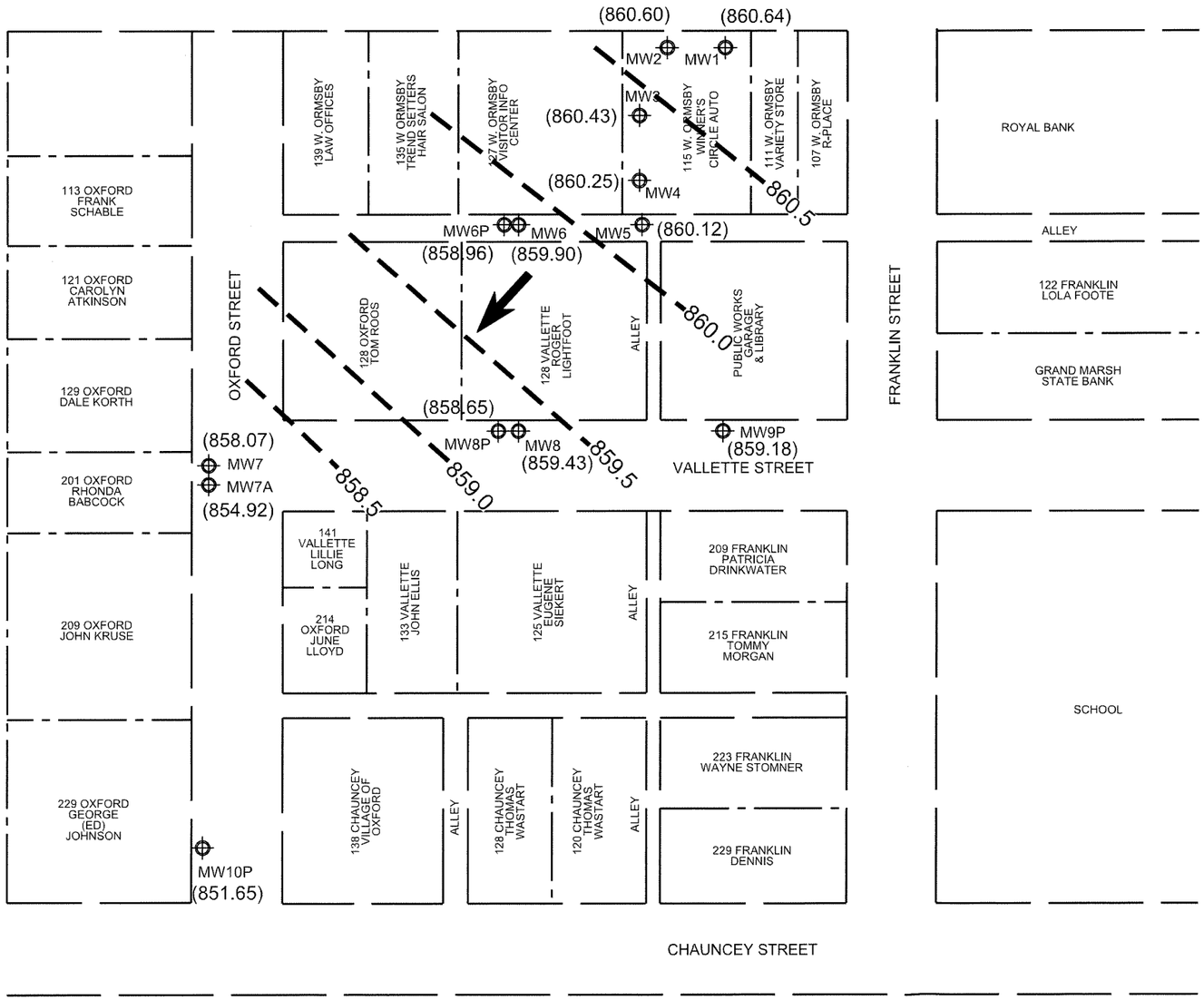
12/30/2014
12:00:20 PM

213212cc.dgn 12/30/2014 12:00:20 PM crooyakkers



LEGEND

⊕ EXISTING MONITORING WELL

860.64 ELEVATION OF WATER IN WELL IN FEET MEAN SEA LEVEL

N
W E
S

0 50 100 200

FIGURE 4

GROUNDWATER FLOW DIRECTION WATER TABLE WELLS DECEMBER 10, 2014

WINNER'S CIRCLE AUTO
OXFORD, WISCONSIN

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608-356-2771 1-800-362-4505 Fax: 608-356-2770

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CHECKED BY		SCALE	AS NOTED

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FILE NO. 213212gw DEC14

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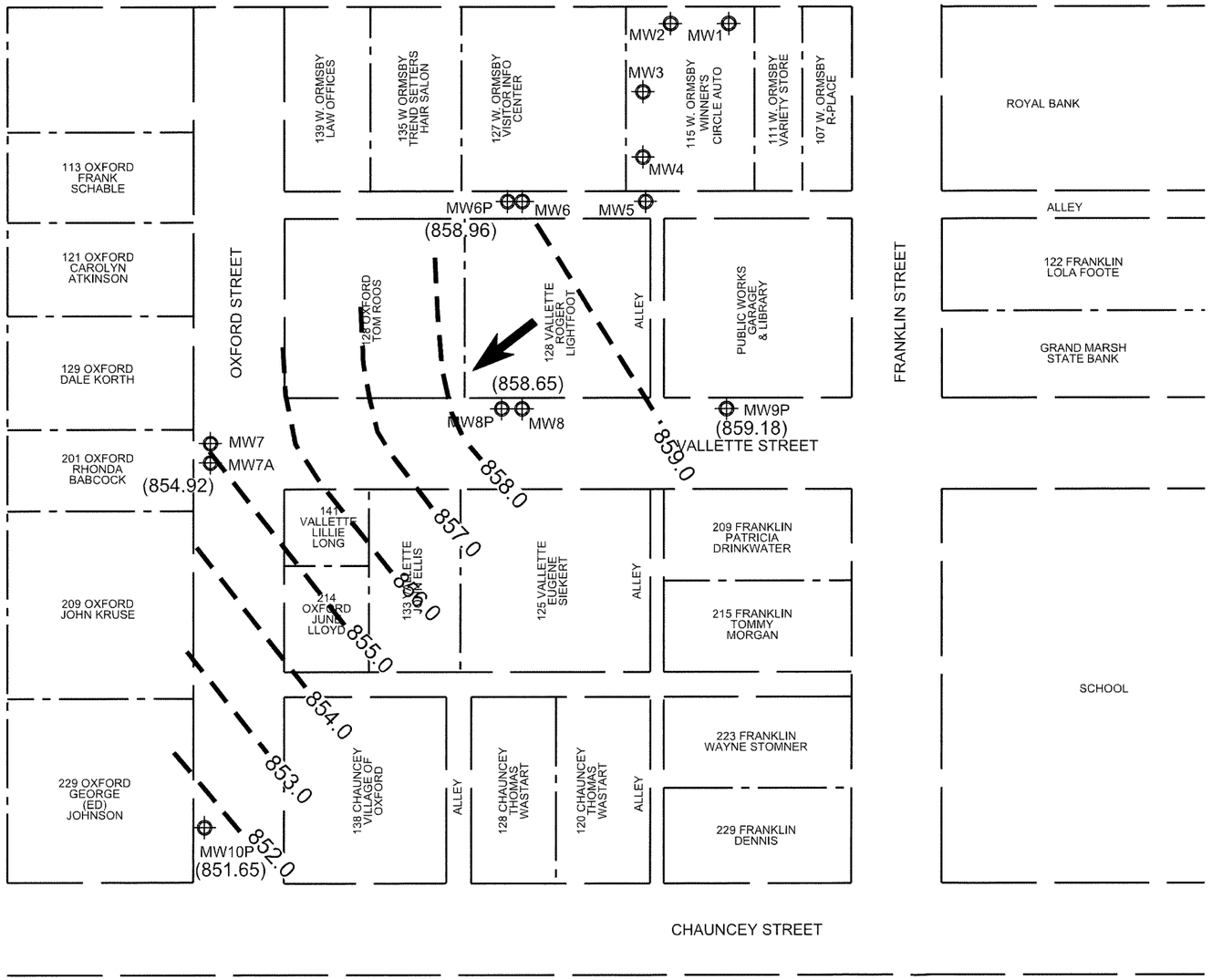
$TIME$



LEGEND

⊕	EXISTING MONITORING WELL
860.18	ELEVATION OF WATER IN WELL IN FEET MEAN SEA LEVEL

N
W E
S

0 50 100 200

FIGURE 5

GROUNDWATER FLOW DIRECTION PIEZOMETER WELLS DECEMBER 9-10, 2014

WINNER'S CIRCLE AUTO
OXFORD, WISCONSIN

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1230 South Boulevard Baraboo, WI 53913
608-356-2771 1-800-362-4505 Fax: 608-356-2770

DRAWN BY	CAR	DATE	1/6/15
CHECKED BY		SCALE	AS NOTED

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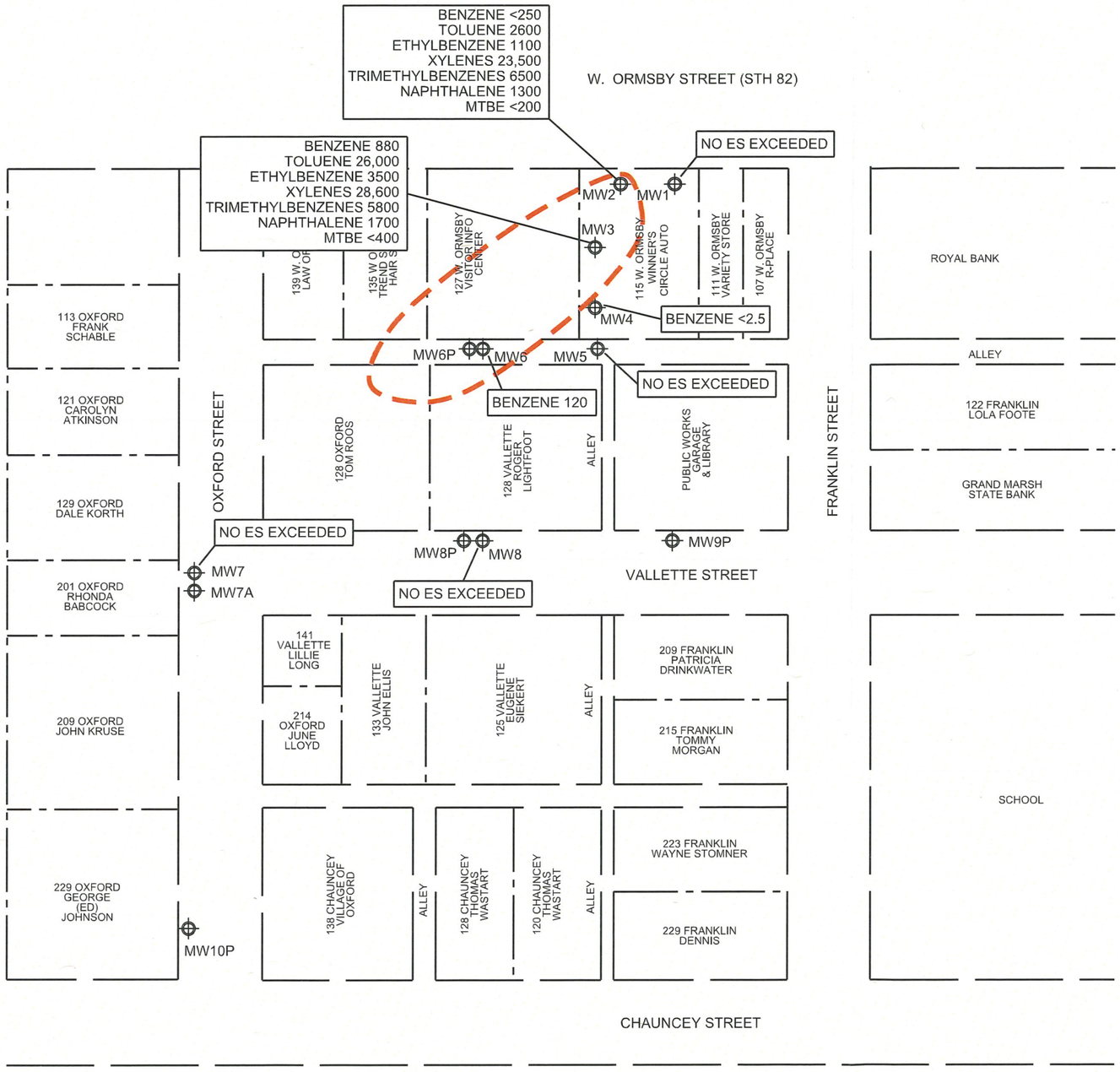
$DATE$
$TIME$



LEGEND

EXISTING MONITORING WELL

EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING NR140 ENFORCEMENT STANDARD FOR AT LEAST ONE COMPOUND IN WATER TABLE WELLS

N
W E
S

0 50 100 200

FIGURE 6

EXTENT OF GROUNDWATER CONTAMINATION UPPER WATER TABLE - SAND UNIT DECEMBER 2014

WINNER'S CIRCLE AUTO
OXFORD, WISCONSIN

MSA PROFESSIONAL SERVICES
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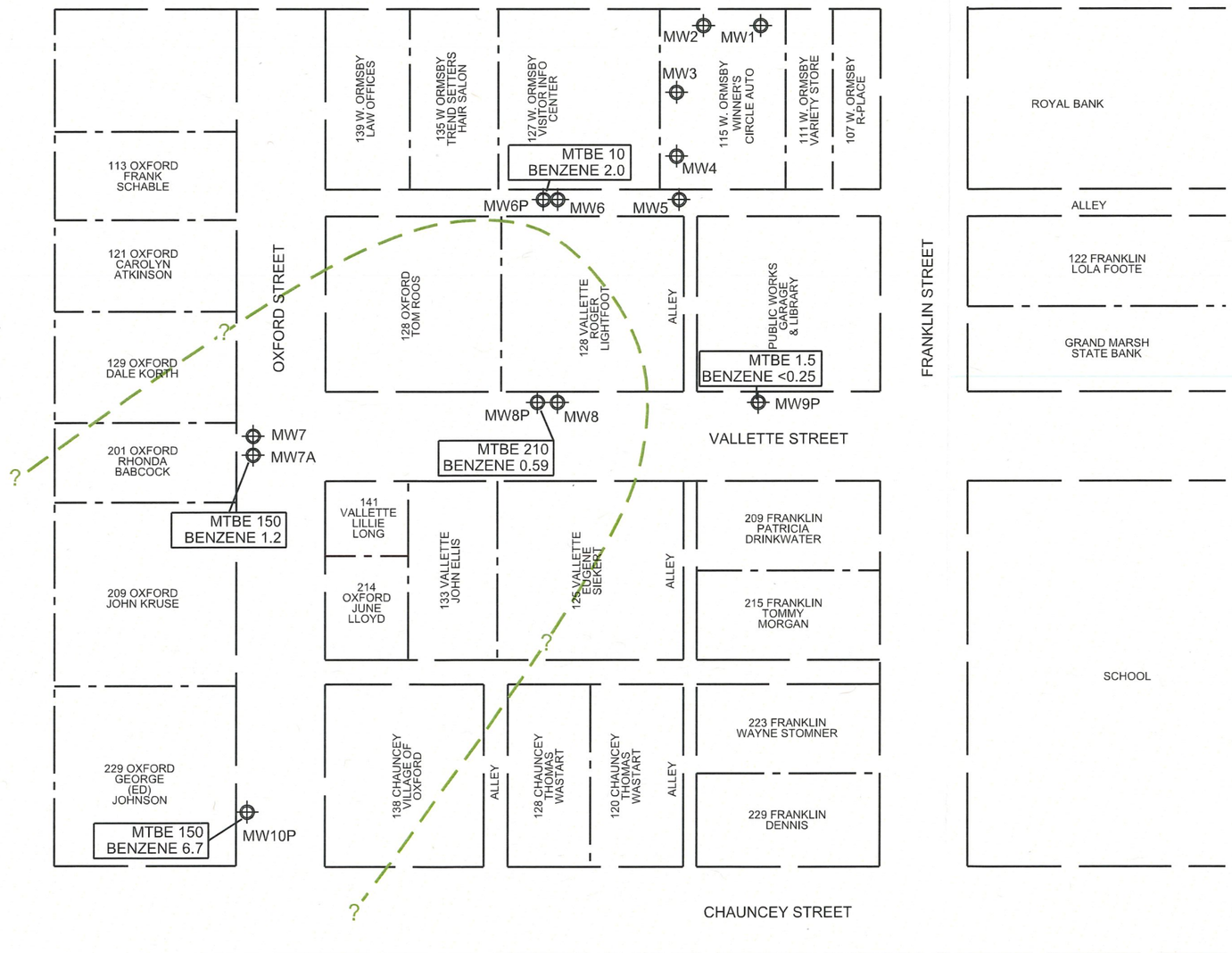

LEGEND

EXISTING MONITORING WELL

EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING NR140 ENFORCEMENT STANDARD FOR AT LEAST ONE COMPOUND IN ~~WATER TABLE WELLS~~ Piezometers

N
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0 50 100 200

FIGURE 7

EXTENT OF GROUNDWATER CONTAMINATION
PIEZOMETERS - SILT UNIT
DECEMBER 2014
WINNER'S CIRCLE AUTO
OXFORD, WISCONSIN

MSA PROFESSIONAL SERVICES
TRANSPORTATION • MUNICIPAL
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ANALYTICAL REPORT

MSA PROFESSIONAL SERVICES
JAYNE ENGLEBERT
1230 SOUTH BLVD
BARABOO, WI 53913

Project Name: WINNERS CIRCLE AUTO
Project Phase:
Contract #: 2054
Project #: 213212
Folder #: 108571
Purchase Order #:

Arrival Temperature: See COC
Report Date: 12/23/2014
Date Received: 12/12/2014
Reprint Date: 12/26/2014

CT LAB Sample#: 536910 Sample Description: MW-1 Sampled: 12/10/2014 1330

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,2,4-Trimethylbenzene	<0.60	ug/L	0.60	2.1	1			12/19/2014 18:05	BMS	EPA 8021B
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1.8	1			12/19/2014 18:05	BMS	EPA 8021B
Benzene	<0.50	ug/L	0.50	1.7	1			12/19/2014 18:05	BMS	EPA 8021B
Ethylbenzene	<0.50	ug/L	0.50	1.5	1			12/19/2014 18:05	BMS	EPA 8021B
m & p-Xylene	<1.0	ug/L	1.0	3.3	1			12/19/2014 18:05	BMS	EPA 8021B
Methyl tert-butyl ether	<0.40	ug/L	0.40	1.5	1			12/19/2014 18:05	BMS	EPA 8021B
Naphthalene	<1.2	ug/L	1.2	4.1	1			12/19/2014 18:05	BMS	EPA 8021B
o-Xylene	<0.50	ug/L	0.50	1.6	1			12/19/2014 18:05	BMS	EPA 8021B
Toluene	<0.50	ug/L	0.50	1.5	1			12/19/2014 18:05	BMS	EPA 8021B

CT LAB Sample#: 536911 Sample Description: MW-2 Sampled: 12/10/2014 1400

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536911 Sample Description: MW-2 Sampled: 12/10/2014 1400

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	**5000**	ug/L	300		1100	500			12/19/2014 22:31	BMS	EPA 8021B
1,3,5-Trimethylbenzene	**1500**	ug/L	250		900	500			12/19/2014 22:31	BMS	EPA 8021B
Benzene	<250	ug/L	250		850	500			12/19/2014 22:31	BMS	EPA 8021B
Ethylbenzene	**1100**	ug/L	250		750	500			12/19/2014 22:31	BMS	EPA 8021B
m & p-Xylene	**15000**	ug/L	500		1700	500			12/19/2014 22:31	BMS	EPA 8021B
Methyl tert-butyl ether	<200	ug/L	200		750	500			12/19/2014 22:31	BMS	EPA 8021B
Naphthalene	**1300**	ug/L	600	*	2100	500			12/19/2014 22:31	BMS	EPA 8021B
o-Xylene	**8500**	ug/L	250		800	500			12/19/2014 22:31	BMS	EPA 8021B
Toluene	**2600**	ug/L	250		750	500			12/19/2014 22:31	BMS	EPA 8021B

CT LAB Sample#: 536912 Sample Description: MW-3 Sampled: 12/10/2014 1420

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
1,2,4-Trimethylbenzene	**4600**	ug/L	600		2100	1000			12/22/2014 13:19	BMS	EPA 8021B
1,3,5-Trimethylbenzene	**1200**	ug/L	500	*	1800	1000			12/22/2014 13:19	BMS	EPA 8021B
Benzene	**880**	ug/L	500	*	1700	1000			12/22/2014 13:19	BMS	EPA 8021B
Ethylbenzene	**3500**	ug/L	500		1500	1000			12/22/2014 13:19	BMS	EPA 8021B
m & p-Xylene	**19000**	ug/L	1000		3300	1000			12/22/2014 13:19	BMS	EPA 8021B
Methyl tert-butyl ether	<400	ug/L	400		1500	1000			12/22/2014 13:19	BMS	EPA 8021B
Naphthalene	**1700**	ug/L	1200	*	4100	1000			12/22/2014 13:19	BMS	EPA 8021B
o-Xylene	**9600**	ug/L	500		1600	1000			12/22/2014 13:19	BMS	EPA 8021B
Toluene	**26000**	ug/L	500		1500	1000			12/22/2014 13:19	BMS	EPA 8021B

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536913 Sample Description: MW-4 Sampled: 12/10/2014 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,2,4-Trimethylbenzene	**140**	ug/L	3.0	11	5			12/22/2014 10:46	BMS	EPA 8021B
1,3,5-Trimethylbenzene	**73**	ug/L	2.5	9.0	5			12/22/2014 10:46	BMS	EPA 8021B
Benzene	<2.5	ug/L	2.5	8.5	5			12/22/2014 10:46	BMS	EPA 8021B
Ethylbenzene	**36**	ug/L	2.5	7.5	5			12/22/2014 10:46	BMS	EPA 8021B
m & p-Xylene	**260**	ug/L	5.0	17	5			12/22/2014 10:46	BMS	EPA 8021B
Methyl tert-butyl ether	<2.0	ug/L	2.0	7.5	5			12/22/2014 10:46	BMS	EPA 8021B
Naphthalene	**23**	ug/L	6.0	21	5			12/22/2014 10:46	BMS	EPA 8021B
o-Xylene	**230**	ug/L	2.5	8.0	5			12/22/2014 10:46	BMS	EPA 8021B
Toluene	**8.3**	ug/L	2.5	7.5	5			12/22/2014 10:46	BMS	EPA 8021B

CT LAB Sample#: 536914 Sample Description: MW-5 Sampled: 12/10/2014 1245

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,2,4-Trimethylbenzene	<0.60	ug/L	0.60	2.1	1			12/19/2014 21:53	BMS	EPA 8021B
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1.8	1			12/19/2014 21:53	BMS	EPA 8021B
Benzene	<0.50	ug/L	0.50	1.7	1			12/19/2014 21:53	BMS	EPA 8021B
Ethylbenzene	<0.50	ug/L	0.50	1.5	1			12/19/2014 21:53	BMS	EPA 8021B
m & p-Xylene	<1.0	ug/L	1.0	3.3	1			12/19/2014 21:53	BMS	EPA 8021B
Methyl tert-butyl ether	<0.40	ug/L	0.40	1.5	1			12/19/2014 21:53	BMS	EPA 8021B
Naphthalene	<1.2	ug/L	1.2	4.1	1			12/19/2014 21:53	BMS	EPA 8021B
o-Xylene	<0.50	ug/L	0.50	1.6	1			12/19/2014 21:53	BMS	EPA 8021B
Toluene	<0.50	ug/L	0.50	1.5	1			12/19/2014 21:53	BMS	EPA 8021B

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536915 Sample Description: MW-6 Sampled: 12/10/2014 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,2,4-Trimethylbenzene	**140**	ug/L	6.0	21	10			12/22/2014 11:24	BMS	EPA 8021B
1,3,5-Trimethylbenzene	**44**	ug/L	5.0	18	10			12/22/2014 11:24	BMS	EPA 8021B
Benzene	**120**	ug/L	5.0	17	10			12/22/2014 11:24	BMS	EPA 8021B
Ethylbenzene	**100**	ug/L	5.0	15	10			12/22/2014 11:24	BMS	EPA 8021B
m & p-Xylene	**420**	ug/L	10	33	10			12/22/2014 11:24	BMS	EPA 8021B
Methyl tert-butyl ether	<4.0	ug/L	4.0	15	10			12/22/2014 11:24	BMS	EPA 8021B
Naphthalene	**52**	ug/L	12	41	10			12/22/2014 11:24	BMS	EPA 8021B
o-Xylene	**220**	ug/L	5.0	16	10			12/22/2014 11:24	BMS	EPA 8021B
Toluene	**450**	ug/L	5.0	15	10			12/22/2014 11:24	BMS	EPA 8021B

CT LAB Sample#: 536916 Sample Description: MW-P6 Sampled: 12/10/2014 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	2.0	1			12/15/2014 11:42	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.84	1			12/15/2014 11:42	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.8	1			12/15/2014 11:42	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.21	ug/L	0.21	0.70	1			12/15/2014 11:42	RLD	EPA 8260C
1,1-Dichloroethane	<0.50	ug/L	0.50	1.8	1			12/15/2014 11:42	RLD	EPA 8260C
1,1-Dichloroethene	<0.23	ug/L	0.23	0.78	1			12/15/2014 11:42	RLD	EPA 8260C
1,1-Dichloropropene	<0.40	ug/L	0.40	1.3	1			12/15/2014 11:42	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.40	ug/L	0.40	1.2	1			12/15/2014 11:42	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.70	ug/L	0.70	2.3	1			12/15/2014 11:42	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536916 Sample Description: MW-P6 Sampled: 12/10/2014 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.8	1			12/15/2014 11:42	RLD	EPA 8260C
1,2,4-Trimethylbenzene	**0.77**	ug/L	0.60 *	1.9	1			12/15/2014 11:42	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			12/15/2014 11:42	RLD	EPA 8260C
1,2-Dibromoethane	<0.40	ug/L	0.40	1.4	1			12/15/2014 11:42	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.8	1			12/15/2014 11:42	RLD	EPA 8260C
1,2-Dichloroethane	**0.34**	ug/L	0.20 *	0.65	1			12/15/2014 11:42	RLD	EPA 8260C
1,2-Dichloropropane	<0.50	ug/L	0.50	1.7	1			12/15/2014 11:42	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 11:42	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 11:42	RLD	EPA 8260C
1,3-Dichloropropane	<0.40	ug/L	0.40	1.2	1			12/15/2014 11:42	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			12/15/2014 11:42	RLD	EPA 8260C
2,2-Dichloropropane	<0.60	ug/L	0.60	1.9	1			12/15/2014 11:42	RLD	EPA 8260C
2-Butanone	<5.0	ug/L	5.0	18	1			12/15/2014 11:42	RLD	EPA 8260C
2-Chlorotoluene	<0.60	ug/L	0.60	1.8	1			12/15/2014 11:42	RLD	EPA 8260C
2-Hexanone	<6.0	ug/L	6.0	20	1			12/15/2014 11:42	RLD	EPA 8260C
4-Chlorotoluene	<0.60	ug/L	0.60	1.9	1			12/15/2014 11:42	RLD	EPA 8260C
4-Methyl-2-pentanone	<5.0	ug/L	5.0	17	1			12/15/2014 11:42	RLD	EPA 8260C
Acetone	<7.0	ug/L	7.0	23	1			12/15/2014 11:42	RLD	EPA 8260C
Benzene	**2.0**	ug/L	0.25	0.84	1			12/15/2014 11:42	RLD	EPA 8260C
Bromobenzene	<0.50	ug/L	0.50	1.7	1			12/15/2014 11:42	RLD	EPA 8260C
Bromochloromethane	<0.40	ug/L	0.40	1.5	1			12/15/2014 11:42	RLD	EPA 8260C
Bromodichloromethane	<0.50	ug/L	0.50	1.6	1			12/15/2014 11:42	RLD	EPA 8260C
Bromoform	<0.50	ug/L	0.50	1.6	1			12/15/2014 11:42	RLD	EPA 8260C
Bromomethane	<1.0	ug/L	1.0	3.4	1			12/15/2014 11:42	RLD	EPA 8260C
Carbon disulfide	<0.40	ug/L	0.40	1.4	1			12/15/2014 11:42	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536916 Sample Description: MW-P6 Sampled: 12/10/2014 1310

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Carbon tetrachloride	<0.40	ug/L	0.40		1.4	1			12/15/2014 11:42	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50		1.6	1			12/15/2014 11:42	RLD	EPA 8260C
Chloroethane	<0.80	ug/L	0.80		2.7	1			12/15/2014 11:42	RLD	EPA 8260C
Chloroform	<0.27	ug/L	0.27		0.91	1			12/15/2014 11:42	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60		2.1	1			12/15/2014 11:42	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.21	ug/L	0.21		0.70	1			12/15/2014 11:42	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40		1.4	1			12/15/2014 11:42	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40		1.5	1			12/15/2014 11:42	RLD	EPA 8260C
Dibromomethane	<0.60	ug/L	0.60		2.0	1			12/15/2014 11:42	RLD	EPA 8260C
Dichlorodifluoromethane	<0.60	ug/L	0.60		2.0	1			12/15/2014 11:42	RLD	EPA 8260C
Diisopropyl ether	<0.60	ug/L	0.60		2.0	1			12/15/2014 11:42	RLD	EPA 8260C
Ethylbenzene	**0.89**	ug/L	0.50	*	1.6	1			12/15/2014 11:42	RLD	EPA 8260C
Hexachlorobutadiene	<0.80	ug/L	0.80		2.8	1			12/15/2014 11:42	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40		1.5	1			12/15/2014 11:42	RLD	EPA 8260C
m & p-Xylene	**2.7**	ug/L	1.0	*	3.3	1			12/15/2014 11:42	RLD	EPA 8260C
Methyl tert-butyl ether	**10**	ug/L	0.20		0.67	1			12/15/2014 11:42	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50		1.8	1			12/15/2014 11:42	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40		1.4	1			12/15/2014 11:42	RLD	EPA 8260C
n-Propylbenzene	<0.40	ug/L	0.40		1.5	1			12/15/2014 11:42	RLD	EPA 8260C
Naphthalene	<0.50	ug/L	0.50		1.5	1			12/15/2014 11:42	RLD	EPA 8260C
o-Xylene	**1.5**	ug/L	0.50	*	1.8	1			12/15/2014 11:42	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50		1.6	1			12/15/2014 11:42	RLD	EPA 8260C
sec-Butylbenzene	<0.50	ug/L	0.50		1.7	1			12/15/2014 11:42	RLD	EPA 8260C
Styrene	<0.40	ug/L	0.40		1.2	1			12/15/2014 11:42	RLD	EPA 8260C
tert-Butylbenzene	<0.50	ug/L	0.50		1.6	1			12/15/2014 11:42	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536916 Sample Description: MW-P6 Sampled: 12/10/2014 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Tetrachloroethene	<0.24	ug/L	0.24	0.81	1			12/15/2014 11:42	RLD	EPA 8260C
Tetrahydrofuran	<4.0	ug/L	4.0	12	1			12/15/2014 11:42	RLD	EPA 8260C
Toluene	**4.6**	ug/L	0.50	1.6	1			12/15/2014 11:42	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.20	ug/L	0.20	0.68	1			12/15/2014 11:42	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.5	1			12/15/2014 11:42	RLD	EPA 8260C
Trichloroethene	<0.24	ug/L	0.24	0.79	1			12/15/2014 11:42	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.0	1			12/15/2014 11:42	RLD	EPA 8260C
Vinyl chloride	<0.18	ug/L	0.18	0.60	1			12/15/2014 11:42	RLD	EPA 8260C

CT LAB Sample#: 536917 Sample Description: MW-7 Sampled: 12/10/2014 1135

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,2,4-Trimethylbenzene	<0.60	ug/L	0.60	2.1	1			12/19/2014 18:43	BMS	EPA 8021B
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1.8	1			12/19/2014 18:43	BMS	EPA 8021B
Benzene	<0.50	ug/L	0.50	1.7	1			12/19/2014 18:43	BMS	EPA 8021B
Ethylbenzene	<0.50	ug/L	0.50	1.5	1			12/19/2014 18:43	BMS	EPA 8021B
m & p-Xylene	<1.0	ug/L	1.0	3.3	1			12/19/2014 18:43	BMS	EPA 8021B
Methyl tert-butyl ether	<0.40	ug/L	0.40	1.5	1			12/19/2014 18:43	BMS	EPA 8021B
Naphthalene	<1.2	ug/L	1.2	4.1	1			12/19/2014 18:43	BMS	EPA 8021B
o-Xylene	<0.50	ug/L	0.50	1.6	1			12/19/2014 18:43	BMS	EPA 8021B
Toluene	<0.50	ug/L	0.50	1.5	1			12/19/2014 18:43	BMS	EPA 8021B

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536918 Sample Description: MW-7P Sampled: 12/09/2014 1150

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,2,4-Trimethylbenzene	<0.60	ug/L	0.60	2.1	1			12/22/2014 10:08	BMS	EPA 8021B
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1.8	1			12/22/2014 10:08	BMS	EPA 8021B
Benzene	**1.2**	ug/L	0.50 *	1.7	1			12/22/2014 10:08	BMS	EPA 8021B
Ethylbenzene	**0.55**	ug/L	0.50 *	1.5	1			12/22/2014 10:08	BMS	EPA 8021B
m & p-Xylene	<1.0	ug/L	1.0	3.3	1			12/22/2014 10:08	BMS	EPA 8021B
Methyl tert-butyl ether	**150**	ug/L	2.0	7.5	5			12/20/2014 01:04	BMS	EPA 8021B
Naphthalene	<1.2	ug/L	1.2	4.1	1			12/22/2014 10:08	BMS	EPA 8021B
o-Xylene	<0.50	ug/L	0.50	1.6	1			12/22/2014 10:08	BMS	EPA 8021B
Toluene	<0.50	ug/L	0.50	1.5	1			12/22/2014 10:08	BMS	EPA 8021B

CT LAB Sample#: 536919 Sample Description: MW-8 Sampled: 12/09/2014 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,2,4-Trimethylbenzene	<0.60	ug/L	0.60	2.1	1			12/19/2014 19:21	BMS	EPA 8021B
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1.8	1			12/19/2014 19:21	BMS	EPA 8021B
Benzene	<0.50	ug/L	0.50	1.7	1			12/19/2014 19:21	BMS	EPA 8021B
Ethylbenzene	<0.50	ug/L	0.50	1.5	1			12/19/2014 19:21	BMS	EPA 8021B
m & p-Xylene	<1.0	ug/L	1.0	3.3	1			12/19/2014 19:21	BMS	EPA 8021B
Methyl tert-butyl ether	<0.40	ug/L	0.40	1.5	1			12/19/2014 19:21	BMS	EPA 8021B
Naphthalene	<1.2	ug/L	1.2	4.1	1			12/19/2014 19:21	BMS	EPA 8021B
o-Xylene	<0.50	ug/L	0.50	1.6	1			12/19/2014 19:21	BMS	EPA 8021B
Toluene	<0.50	ug/L	0.50	1.5	1			12/19/2014 19:21	BMS	EPA 8021B

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536920 Sample Description: MW-8P Sampled: 12/09/2014 1540

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	2.0	1			12/15/2014 12:11	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.84	1			12/15/2014 12:11	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.8	1			12/15/2014 12:11	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.21	ug/L	0.21	0.70	1			12/15/2014 12:11	RLD	EPA 8260C
1,1-Dichloroethane	<0.50	ug/L	0.50	1.8	1			12/15/2014 12:11	RLD	EPA 8260C
1,1-Dichloroethene	<0.23	ug/L	0.23	0.78	1			12/15/2014 12:11	RLD	EPA 8260C
1,1-Dichloropropene	<0.40	ug/L	0.40	1.3	1			12/15/2014 12:11	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.40	ug/L	0.40	1.2	1			12/15/2014 12:11	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.70	ug/L	0.70	2.3	1			12/15/2014 12:11	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.8	1			12/15/2014 12:11	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.60	ug/L	0.60	1.9	1			12/15/2014 12:11	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			12/15/2014 12:11	RLD	EPA 8260C
1,2-Dibromoethane	<0.40	ug/L	0.40	1.4	1			12/15/2014 12:11	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.8	1			12/15/2014 12:11	RLD	EPA 8260C
1,2-Dichloroethane	4.2	ug/L	0.20	0.65	1			12/15/2014 12:11	RLD	EPA 8260C
1,2-Dichloropropane	<0.50	ug/L	0.50	1.7	1			12/15/2014 12:11	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:11	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:11	RLD	EPA 8260C
1,3-Dichloropropane	<0.40	ug/L	0.40	1.2	1			12/15/2014 12:11	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			12/15/2014 12:11	RLD	EPA 8260C
2,2-Dichloropropane	<0.60	ug/L	0.60	1.9	1			12/15/2014 12:11	RLD	EPA 8260C
2-Butanone	<5.0	ug/L	5.0	18	1			12/15/2014 12:11	RLD	EPA 8260C
2-Chlorotoluene	<0.60	ug/L	0.60	1.8	1			12/15/2014 12:11	RLD	EPA 8260C
2-Hexanone	<6.0	ug/L	6.0	20	1			12/15/2014 12:11	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536920 Sample Description: MW-8P Sampled: 12/09/2014 1540

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Chlorotoluene	<0.60	ug/L	0.60	1.9	1			12/15/2014 12:11	RLD	EPA 8260C
4-Methyl-2-pentanone	<5.0	ug/L	5.0	17	1			12/15/2014 12:11	RLD	EPA 8260C
Acetone	<7.0	ug/L	7.0	23	1			12/15/2014 12:11	RLD	EPA 8260C
Benzene	**0.59**	ug/L	0.25 *	0.84	1			12/15/2014 12:11	RLD	EPA 8260C
Bromobenzene	<0.50	ug/L	0.50	1.7	1			12/15/2014 12:11	RLD	EPA 8260C
Bromochloromethane	<0.40	ug/L	0.40	1.5	1			12/15/2014 12:11	RLD	EPA 8260C
Bromodichloromethane	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:11	RLD	EPA 8260C
Bromoform	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:11	RLD	EPA 8260C
Bromomethane	<1.0	ug/L	1.0	3.4	1			12/15/2014 12:11	RLD	EPA 8260C
Carbon disulfide	<0.40	ug/L	0.40	1.4	1			12/15/2014 12:11	RLD	EPA 8260C
Carbon tetrachloride	<0.40	ug/L	0.40	1.4	1			12/15/2014 12:11	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:11	RLD	EPA 8260C
Chloroethane	<0.80	ug/L	0.80	2.7	1			12/15/2014 12:11	RLD	EPA 8260C
Chloroform	<0.27	ug/L	0.27	0.91	1			12/15/2014 12:11	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			12/15/2014 12:11	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.21	ug/L	0.21	0.70	1			12/15/2014 12:11	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			12/15/2014 12:11	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.5	1			12/15/2014 12:11	RLD	EPA 8260C
Dibromomethane	<0.60	ug/L	0.60	2.0	1			12/15/2014 12:11	RLD	EPA 8260C
Dichlorodifluoromethane	<0.60	ug/L	0.60	2.0	1			12/15/2014 12:11	RLD	EPA 8260C
Diisopropyl ether	<0.60	ug/L	0.60	2.0	1			12/15/2014 12:11	RLD	EPA 8260C
Ethylbenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:11	RLD	EPA 8260C
Hexachlorobutadiene	<0.80	ug/L	0.80	2.8	1			12/15/2014 12:11	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.5	1			12/15/2014 12:11	RLD	EPA 8260C
m & p-Xylene	<1.0	ug/L	1.0	3.3	1			12/15/2014 12:11	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536920 Sample Description: MW-8P Sampled: 12/09/2014 1540

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	**210**	ug/L	2.0	6.7	10			12/15/2014 14:06	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.8	1			12/15/2014 12:11	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.4	1			12/15/2014 12:11	RLD	EPA 8260C
n-Propylbenzene	<0.40	ug/L	0.40	1.5	1			12/15/2014 12:11	RLD	EPA 8260C
Naphthalene	<0.50	ug/L	0.50	1.5	1			12/15/2014 12:11	RLD	EPA 8260C
o-Xylene	<0.50	ug/L	0.50	1.8	1			12/15/2014 12:11	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:11	RLD	EPA 8260C
sec-Butylbenzene	<0.50	ug/L	0.50	1.7	1			12/15/2014 12:11	RLD	EPA 8260C
Styrene	<0.40	ug/L	0.40	1.2	1			12/15/2014 12:11	RLD	EPA 8260C
tert-Butylbenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:11	RLD	EPA 8260C
Tetrachloroethene	<0.24	ug/L	0.24	0.81	1			12/15/2014 12:11	RLD	EPA 8260C
Tetrahydrofuran	<4.0	ug/L	4.0	12	1			12/15/2014 12:11	RLD	EPA 8260C
Toluene	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:11	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.20	ug/L	0.20	0.68	1			12/15/2014 12:11	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.5	1			12/15/2014 12:11	RLD	EPA 8260C
Trichloroethene	<0.24	ug/L	0.24	0.79	1			12/15/2014 12:11	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.0	1			12/15/2014 12:11	RLD	EPA 8260C
Vinyl chloride	<0.18	ug/L	0.18	0.60	1			12/15/2014 12:11	RLD	EPA 8260C

CT LAB Sample#: 536921 Sample Description: MW-9P Sampled: 12/09/2014 1320

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	2.0	1			12/15/2014 12:39	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536921 Sample Description: MW-9P Sampled: 12/09/2014 1320

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.84	1			12/15/2014 12:39	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.8	1			12/15/2014 12:39	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.21	ug/L	0.21	0.70	1			12/15/2014 12:39	RLD	EPA 8260C
1,1-Dichloroethane	<0.50	ug/L	0.50	1.8	1			12/15/2014 12:39	RLD	EPA 8260C
1,1-Dichloroethene	<0.23	ug/L	0.23	0.78	1			12/15/2014 12:39	RLD	EPA 8260C
1,1-Dichloropropene	<0.40	ug/L	0.40	1.3	1			12/15/2014 12:39	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.40	ug/L	0.40	1.2	1			12/15/2014 12:39	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.70	ug/L	0.70	2.3	1			12/15/2014 12:39	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.8	1			12/15/2014 12:39	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.60	ug/L	0.60	1.9	1			12/15/2014 12:39	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			12/15/2014 12:39	RLD	EPA 8260C
1,2-Dibromoethane	<0.40	ug/L	0.40	1.4	1			12/15/2014 12:39	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.8	1			12/15/2014 12:39	RLD	EPA 8260C
1,2-Dichloroethane	<0.20	ug/L	0.20	0.65	1			12/15/2014 12:39	RLD	EPA 8260C
1,2-Dichloropropane	<0.50	ug/L	0.50	1.7	1			12/15/2014 12:39	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:39	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:39	RLD	EPA 8260C
1,3-Dichloropropane	<0.40	ug/L	0.40	1.2	1			12/15/2014 12:39	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			12/15/2014 12:39	RLD	EPA 8260C
2,2-Dichloropropane	<0.60	ug/L	0.60	1.9	1			12/15/2014 12:39	RLD	EPA 8260C
2-Butanone	<5.0	ug/L	5.0	18	1			12/15/2014 12:39	RLD	EPA 8260C
2-Chlorotoluene	<0.60	ug/L	0.60	1.8	1			12/15/2014 12:39	RLD	EPA 8260C
2-Hexanone	<6.0	ug/L	6.0	20	1			12/15/2014 12:39	RLD	EPA 8260C
4-Chlorotoluene	<0.60	ug/L	0.60	1.9	1			12/15/2014 12:39	RLD	EPA 8260C
4-Methyl-2-pentanone	<5.0	ug/L	5.0	17	1			12/15/2014 12:39	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536921 Sample Description: MW-9P Sampled: 12/09/2014 1320

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<7.0	ug/L	7.0	23	1			12/15/2014 12:39	RLD	EPA 8260C
Benzene	<0.25	ug/L	0.25	0.84	1			12/15/2014 12:39	RLD	EPA 8260C
Bromobenzene	<0.50	ug/L	0.50	1.7	1			12/15/2014 12:39	RLD	EPA 8260C
Bromochloromethane	<0.40	ug/L	0.40	1.5	1			12/15/2014 12:39	RLD	EPA 8260C
Bromodichloromethane	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:39	RLD	EPA 8260C
Bromoform	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:39	RLD	EPA 8260C
Bromomethane	<1.0	ug/L	1.0	3.4	1			12/15/2014 12:39	RLD	EPA 8260C
Carbon disulfide	<0.40	ug/L	0.40	1.4	1			12/15/2014 12:39	RLD	EPA 8260C
Carbon tetrachloride	<0.40	ug/L	0.40	1.4	1			12/15/2014 12:39	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:39	RLD	EPA 8260C
Chloroethane	<0.80	ug/L	0.80	2.7	1			12/15/2014 12:39	RLD	EPA 8260C
Chloroform	<0.27	ug/L	0.27	0.91	1			12/15/2014 12:39	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			12/15/2014 12:39	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.21	ug/L	0.21	0.70	1			12/15/2014 12:39	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			12/15/2014 12:39	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.5	1			12/15/2014 12:39	RLD	EPA 8260C
Dibromomethane	<0.60	ug/L	0.60	2.0	1			12/15/2014 12:39	RLD	EPA 8260C
Dichlorodifluoromethane	<0.60	ug/L	0.60	2.0	1			12/15/2014 12:39	RLD	EPA 8260C
Diisopropyl ether	<0.60	ug/L	0.60	2.0	1			12/15/2014 12:39	RLD	EPA 8260C
Ethylbenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:39	RLD	EPA 8260C
Hexachlorobutadiene	<0.80	ug/L	0.80	2.8	1			12/15/2014 12:39	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.5	1			12/15/2014 12:39	RLD	EPA 8260C
m & p-Xylene	<1.0	ug/L	1.0	3.3	1			12/15/2014 12:39	RLD	EPA 8260C
Methyl tert-butyl ether	**1.5**	ug/L	0.20	0.67	1			12/15/2014 12:39	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.8	1			12/15/2014 12:39	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536921 Sample Description: MW-9P Sampled: 12/09/2014 1320

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
n-Butylbenzene	<0.40	ug/L	0.40	1.4	1			12/15/2014 12:39	RLD	EPA 8260C
n-Propylbenzene	<0.40	ug/L	0.40	1.5	1			12/15/2014 12:39	RLD	EPA 8260C
Naphthalene	<0.50	ug/L	0.50	1.5	1			12/15/2014 12:39	RLD	EPA 8260C
o-Xylene	<0.50	ug/L	0.50	1.8	1			12/15/2014 12:39	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:39	RLD	EPA 8260C
sec-Butylbenzene	<0.50	ug/L	0.50	1.7	1			12/15/2014 12:39	RLD	EPA 8260C
Styrene	<0.40	ug/L	0.40	1.2	1			12/15/2014 12:39	RLD	EPA 8260C
tert-Butylbenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:39	RLD	EPA 8260C
Tetrachloroethene	<0.24	ug/L	0.24	0.81	1			12/15/2014 12:39	RLD	EPA 8260C
Tetrahydrofuran	<4.0	ug/L	4.0	12	1			12/15/2014 12:39	RLD	EPA 8260C
Toluene	<0.50	ug/L	0.50	1.6	1			12/15/2014 12:39	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.20	ug/L	0.20	0.68	1			12/15/2014 12:39	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.5	1			12/15/2014 12:39	RLD	EPA 8260C
Trichloroethene	<0.24	ug/L	0.24	0.79	1			12/15/2014 12:39	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.0	1			12/15/2014 12:39	RLD	EPA 8260C
Vinyl chloride	<0.18	ug/L	0.18	0.60	1			12/15/2014 12:39	RLD	EPA 8260C

CT LAB Sample#: 536922 Sample Description: MW-10P Sampled: 12/09/2014 1640

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	2.0	1			12/15/2014 13:08	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.84	1			12/15/2014 13:08	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.8	1			12/15/2014 13:08	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536922 Sample Description: MW-10P Sampled: 12/09/2014 1640

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,2-Trichloroethane	<0.21	ug/L	0.21	0.70	1			12/15/2014 13:08	RLD	EPA 8260C
1,1-Dichloroethane	<0.50	ug/L	0.50	1.8	1			12/15/2014 13:08	RLD	EPA 8260C
1,1-Dichloroethene	<0.23	ug/L	0.23	0.78	1			12/15/2014 13:08	RLD	EPA 8260C
1,1-Dichloropropene	<0.40	ug/L	0.40	1.3	1			12/15/2014 13:08	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.40	ug/L	0.40	1.2	1			12/15/2014 13:08	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.70	ug/L	0.70	2.3	1			12/15/2014 13:08	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.8	1			12/15/2014 13:08	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.60	ug/L	0.60	1.9	1			12/15/2014 13:08	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			12/15/2014 13:08	RLD	EPA 8260C
1,2-Dibromoethane	<0.40	ug/L	0.40	1.4	1			12/15/2014 13:08	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.8	1			12/15/2014 13:08	RLD	EPA 8260C
1,2-Dichloroethane	**4.9**	ug/L	0.20	0.65	1			12/15/2014 13:08	RLD	EPA 8260C
1,2-Dichloropropane	<0.50	ug/L	0.50	1.7	1			12/15/2014 13:08	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 13:08	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 13:08	RLD	EPA 8260C
1,3-Dichloropropane	<0.40	ug/L	0.40	1.2	1			12/15/2014 13:08	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			12/15/2014 13:08	RLD	EPA 8260C
2,2-Dichloropropane	<0.60	ug/L	0.60	1.9	1			12/15/2014 13:08	RLD	EPA 8260C
2-Butanone	<5.0	ug/L	5.0	18	1			12/15/2014 13:08	RLD	EPA 8260C
2-Chlorotoluene	<0.60	ug/L	0.60	1.8	1			12/15/2014 13:08	RLD	EPA 8260C
2-Hexanone	<6.0	ug/L	6.0	20	1			12/15/2014 13:08	RLD	EPA 8260C
4-Chlorotoluene	<0.60	ug/L	0.60	1.9	1			12/15/2014 13:08	RLD	EPA 8260C
4-Methyl-2-pentanone	<5.0	ug/L	5.0	17	1			12/15/2014 13:08	RLD	EPA 8260C
Acetone	<7.0	ug/L	7.0	23	1			12/15/2014 13:08	RLD	EPA 8260C
Benzene	**6.7**	ug/L	0.25	0.84	1			12/15/2014 13:08	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536922 Sample Description: MW-10P Sampled: 12/09/2014 1640

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromobenzene	<0.50	ug/L	0.50	1.7	1			12/15/2014 13:08	RLD	EPA 8260C
Bromochloromethane	<0.40	ug/L	0.40	1.5	1			12/15/2014 13:08	RLD	EPA 8260C
Bromodichloromethane	<0.50	ug/L	0.50	1.6	1			12/15/2014 13:08	RLD	EPA 8260C
Bromoform	<0.50	ug/L	0.50	1.6	1			12/15/2014 13:08	RLD	EPA 8260C
Bromomethane	<1.0	ug/L	1.0	3.4	1			12/15/2014 13:08	RLD	EPA 8260C
Carbon disulfide	<0.40	ug/L	0.40	1.4	1			12/15/2014 13:08	RLD	EPA 8260C
Carbon tetrachloride	<0.40	ug/L	0.40	1.4	1			12/15/2014 13:08	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 13:08	RLD	EPA 8260C
Chloroethane	<0.80	ug/L	0.80	2.7	1			12/15/2014 13:08	RLD	EPA 8260C
Chloroform	<0.27	ug/L	0.27	0.91	1			12/15/2014 13:08	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			12/15/2014 13:08	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.21	ug/L	0.21	0.70	1			12/15/2014 13:08	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			12/15/2014 13:08	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.5	1			12/15/2014 13:08	RLD	EPA 8260C
Dibromomethane	<0.60	ug/L	0.60	2.0	1			12/15/2014 13:08	RLD	EPA 8260C
Dichlorodifluoromethane	<0.60	ug/L	0.60	2.0	1			12/15/2014 13:08	RLD	EPA 8260C
Diisopropyl ether	<0.60	ug/L	0.60	2.0	1			12/15/2014 13:08	RLD	EPA 8260C
Ethylbenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 13:08	RLD	EPA 8260C
Hexachlorobutadiene	<0.80	ug/L	0.80	2.8	1			12/15/2014 13:08	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.5	1			12/15/2014 13:08	RLD	EPA 8260C
m & p-Xylene	<1.0	ug/L	1.0	3.3	1			12/15/2014 13:08	RLD	EPA 8260C
Methyl tert-butyl ether	**150**	ug/L	2.0	6.7	10			12/15/2014 14:35	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.8	1			12/15/2014 13:08	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.4	1			12/15/2014 13:08	RLD	EPA 8260C
n-Propylbenzene	<0.40	ug/L	0.40	1.5	1			12/15/2014 13:08	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536922 Sample Description: MW-10P Sampled: 12/09/2014 1640

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.50	ug/L	0.50	1.5	1			12/15/2014 13:08	RLD	EPA 8260C
o-Xylene	<0.50	ug/L	0.50	1.8	1			12/15/2014 13:08	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.6	1			12/15/2014 13:08	RLD	EPA 8260C
sec-Butylbenzene	<0.50	ug/L	0.50	1.7	1			12/15/2014 13:08	RLD	EPA 8260C
Styrene	<0.40	ug/L	0.40	1.2	1			12/15/2014 13:08	RLD	EPA 8260C
tert-Butylbenzene	<0.50	ug/L	0.50	1.6	1			12/15/2014 13:08	RLD	EPA 8260C
Tetrachloroethene	<0.24	ug/L	0.24	0.81	1			12/15/2014 13:08	RLD	EPA 8260C
Tetrahydrofuran	<4.0	ug/L	4.0	12	1			12/15/2014 13:08	RLD	EPA 8260C
Toluene	<0.50	ug/L	0.50	1.6	1			12/15/2014 13:08	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.20	ug/L	0.20	0.68	1			12/15/2014 13:08	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.5	1			12/15/2014 13:08	RLD	EPA 8260C
Trichloroethene	<0.24	ug/L	0.24	0.79	1			12/15/2014 13:08	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.0	1			12/15/2014 13:08	RLD	EPA 8260C
Vinyl chloride	<0.18	ug/L	0.18	0.60	1			12/15/2014 13:08	RLD	EPA 8260C

CT LAB Sample#: 536923 Sample Description: TRIP BLANK Sampled: 12/10/2014

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,2,4-Trimethylbenzene	<0.60	ug/L	0.60	2.1	1			12/19/2014 16:49	BMS	EPA 8021B
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1.8	1			12/19/2014 16:49	BMS	EPA 8021B
Benzene	<0.50	ug/L	0.50	1.7	1			12/19/2014 16:49	BMS	EPA 8021B
Ethylbenzene	<0.50	ug/L	0.50	1.5	1			12/19/2014 16:49	BMS	EPA 8021B
m & p-Xylene	<1.0	ug/L	1.0	3.3	1			12/19/2014 16:49	BMS	EPA 8021B

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 536923 Sample Description: TRIP BLANK Sampled: 12/10/2014

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.40	ug/L	0.40	1.5	1			12/19/2014 16:49	BMS	EPA 8021B
Naphthalene	<1.2	ug/L	1.2	4.1	1			12/19/2014 16:49	BMS	EPA 8021B
o-Xylene	<0.50	ug/L	0.50	1.6	1			12/19/2014 16:49	BMS	EPA 8021B
Toluene	<0.50	ug/L	0.50	1.5	1			12/19/2014 16:49	BMS	EPA 8021B

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

Notes: * Indicates Value in between the LOD (limit of detection) and the LOQ (limit of quantitation).

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

QC Qualifiers

Code	Description
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	BOD incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Florida NELAP ID# E871111
Kansas NELAP ID# E-10368
Kentucky ID# 0023
Pennsylvania NELAP ID# 68-04201
New Jersey NELAP ID# WI001
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP L-A-B Cert # L2392
Alaska ID # UST-099
Louisiana ID # 115843
Virginia ID# 460203
Illinois NELAP ID # 002413
ISO/IEC 17025-2005 L-A-B Cert # L2392
GA EPD Stipulation ID 115843, Expires Annually

Rev. 9/2009

UST CHAIN OF CUSTODY

Page 1 of 2

Company: MSA

Project Contact: Jayne Eaglebert

Telephone: 356-2771

Project Name: Winners Circle Auto (WCA)

Project #: 213212

Location: WI

Sampled By: P Toozey

CT LABORATORIES

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Folder #: 108571

Company: MSA PROFESSIONAL S

Project: WINNERS CIRCLE AUT

Logged By: JLS PM: ET

m:
RCRA SDWA NPDES
/aste Other _____

Report To: Jayne Eaglebert
EMAIL:
Company: MSA
Address: 1230 S Blvd Baraboo WI
Invoice To:*
EMAIL:
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

Matrix:
GW - groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Turnaround Time
Normal RUSH*
Date Needed: _____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	DRO	GRO	GRO/PVOC	LEAD	CADMIUM	VOC 8260	PAH	%SOL	PVOC + NAPH					Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
					N	Fill in Spaces with Bottles per Test															
12/10/14	1:30	GW	G	MW-1										3							536910
12/10/14	2:00			MW-2										3							536911
12/10/14	2:20			MW-3										3							536912
12/10/14	1:05			MW-4										3							" 913
12/10/14	12:45			MW-5							X			3							914
12/10/14	10:40			MW-6							X			3							915
12/10/14	1:10			MW-P6							3										916
12/10/14	11:35			MW-7										3							917
12/9/14	11:50			MW-7P										3							918
12/9/14	11:15			MW-8							X			3							919
12/9/14	3:40			MW-8P							3										920
12/9/14	1:20			MW-9P							3										921

Relinquished By:	Date/Time	Received By:	Date/Time
Received by:	Date/Time	Received for Laboratory by:	Date/Time 12/12/14 1235

Lab Use Only
Ice Present (Yes) No
Temperature 3.6
Cooler # _____

12/12/14 1140 JS

Rev. 9/2009

UST CHAIN OF CUSTODY

Page 2 of 2

Company: MSA
Project Contact: Jayne Engebert
Telephone: 356-2771
Project Name: winners circle
Project #: 213212
Location: WI
Sampled By: BJ

CT LABORATORIES

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:
10857

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO #

Report To:
EMAIL:
Company:
Address:

Invoice To:*
EMAIL:
Company:
Address:

**Client Special Instructions*

**Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions*

Matrix:
GW - groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample ID Description	Filtered? Y/N	DRO	GRO	GRO/PVOC	LEAD	CADMIUM	VOC 8260	PAH	%SOL						Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						ANALYSES REQUESTED															
12/9/14	4:40	GW	G	MW-10P							3										536922
				Trip																	923
						Fill in Spaces with Bottles per Test															

Turnaround Time
Normal RUSH*
Date Needed: _____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Relinquished By:	Date/Time	Received By:	Date/Time
Received by:	Date/Time	Received for Laboratory by:	Date/Time 12/12/14 1235

Lab Use Only
Ice Present (Yes) No
Temperature 3.6
Cooler # _____

12/12/14 1140

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Winner's Circle Auto (Tim's Auto)		MW-6P

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Kevin SES	10/22/2014	10/22/2014	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VZ467		MW-6P	Feet MSL	Feet MSL	8.5 inches

Local Grid Origin ☒ (estimated: ☒) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of SW 1/4 of Section 17, T 15 N, R 8 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
339168015	Marquette	39	Oxford

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	Blind drilled, no sampling										
			2											
			3											
			4											
			5											
			6											
			7											
			8											
			9											
			10											
			11											
			12											

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

Signature	Firm	
JE	MSA Professional Services, Inc. 1230 South Boulevard Baraboo, WI 53913	Tel: 608-356-2771 Fax: 608-356-2770

This form is authorized by Chapters 281, 283, 289, 291, 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 be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-6P Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13											
			14											
			15											
			16											
			17											
			18											
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			29											
			30											
			31											
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-6P Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			33											
			34											
			35											
			36											
			37											
			38											
			39											
			40											
			41											
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			46											
			47											
			48											
			49											
			50											
			51											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Winner's Circle Auto (Tim's Auto)		MW-8P

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Kevin SES	10/21/2014	10/21/2014	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
OX340		MW-8P	Feet MSL	Feet MSL	8.5 inches

Local Grid Origin ☒ (estimated: ☒) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of SW 1/4 of Section 17, T 15 N, R 8 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
339168015	Marquette	39	Oxford

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1–12	Blind drilled, no sampling										

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

Signature	Firm	Tel: 608-356-2771
JE	MSA Professional Services, Inc. 1230 South Boulevard Baraboo, WI 53913	Fax: 608-356-2770

This form is authorized by Chapters 281, 283, 289, 291, 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 be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-8P Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13											
			14											
			15											
			16											
			17											
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			19				▼							
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			29											
			30											
			31											
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-8P Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			33											
			34											
			35											
			36											
			37											
			38											
			39											
			40											
			41											
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			44											
			45											
			46											
			47											
			48											
			49											
			50											
			51											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Winner's Circle Auto (Tim's Auto)		MW-9P

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Kevin SES	10/21/2014	10/21/2014	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VZ465		MW-9P	Feet MSL	Feet MSL	8.5 inches

Local Grid Origin ☒ (estimated: ☒) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of SW 1/4 of Section 17, T 15 N, R 8 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
339168015	Marquette	39	Oxford

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1–12	Blind drilled, no sampling										

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

Signature	Firm	Tel: 608-356-2771
JE	MSA Professional Services, Inc. 1230 South Boulevard Baraboo, WI 53913	Fax: 608-356-2770

This form is authorized by Chapters 281, 283, 289, 291, 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 be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-9P Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13											
			14											
			15											
			16											
			17											
			18											
			19											
			20											
			21											
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			26											
			27											
			28											
			29											
			30											
			31											
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-9P Use only as an attachment to Form 4400-122.

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			33												
			34												
			35												
			36												
			37												
			38												
			39												
			40												
			41												
			42												
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			48												
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			50												
			51												

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Winner's Circle Auto (Tim's Auto)		MW-10P

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Kevin SES	10/22/2014	10/22/2014	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VZ466		MW-10P	Feet MSL	Feet MSL	8.5 inches

Local Grid Origin ☒ (estimated: ☒) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of SW 1/4 of Section 17, T 15 N, R 8 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
339168015	Marquette	39	Oxford

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1–12	Blind drilled, no sampling										

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

Signature	Firm	Tel: 608-356-2771
JE	MSA Professional Services, Inc. 1230 South Boulevard Baraboo, WI 53913	Fax: 608-356-2770

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-10P Use only as an attachment to Form 4400-122.

Sample										Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13											
			14											
			15											
			16											
			17											
			18											
			19				▼							
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			30											
			31											
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-10P Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			33											
			34											
			35											
			36											
			37											
			38											
			39											
			40											
			41											
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			46											
			47											
			48											
			49											
			50											
			51											

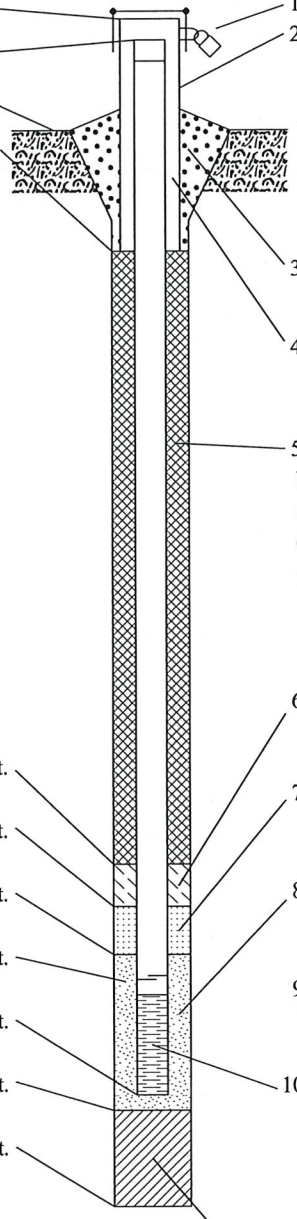
State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Winner's Circle Auto (Tim's Auto)	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-6P
Facility License, Permit or Monitoring No.	Local Grid Origin ☒ (estimated: ☒) or Well Location ☐ Lat. ° ' " Long. ° ' " or St. Plane ____ ft. N, ____ ft. E. S/C/N	Wis. Unique Well No.: VZ467 DNR Well Number:
Facility ID: 339168015	Section Location of Waste/Source: NE 1/4 of SW 1/4 of Sec. 17, T. 15 N, R. 8 ☒ E ☐ W	Date Well Installed: 10/22/2014
Type of Well: Well Code 72/dp	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) Kevin / SES
Distance from Waste/Source ____ ft. Enf. Stds. Apply ☐	Gov. Lot Number:	



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 ____ ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / ____ Other ☐ __

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

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

E. Bentonite seal, top ____ ft. MSL or 1.0 ft.

F. Fine sand, top ____ ft. MSL or 41.3 ft.

G. Filter pack, top ____ ft. MSL or 42.9 ft.

H. Screen joint, top ____ ft. MSL or 45.0 ft.

I. Well bottom ____ ft. MSL or 50.0 ft.

J. Filter pack, bottom ____ ft. MSL or 51.0 ft.

K. Borehole, bottom ____ ft. MSL or 51.0 ft.

L. Borehole, diameter 8.5 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.01 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: cast iron — Steel ☐ 0 4 / Other ☒ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 3 0 / Concrete ☒ 0 1 / ____ Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 / ____ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. #15 Red Flint __
b. Volume added 50 lbs ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Red Flint - Amer. Materials __
b. Volume added 200 lbs ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / ____ Other ☐ __
10. Screen material: PVC __
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / ____ Other ☐ __
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 4.7 ft.
11. Backfill material (below filter pack): None ☒ 1 4 / ____ Other ☐ __

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

Signature	Firm	
Jayne Englebert	MSA Professional Services, Inc. 1230 South Boulevard Baraboo, WI 53913	Tel: 608-356-2771 Fax: 608-356-2770

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.

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Winner's Circle Auto (Tim's Auto)	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-8P
Facility License, Permit or Monitoring No.	Local Grid Origin ☒ (estimated: ☒) or Well Location ☐ Lat. ° ' " Long. ° ' " or St. Plane ____ ft. N, ____ ft. E. S/C/N	Wis. Unique Well No.: OX340 DNR Well Number:
Facility ID: 339168015	Section Location of Waste/Source: NE 1/4 of SW 1/4 of Sec. 17, T. 15 N, R. 8 ☒ E ☐ W	Date Well Installed: 10/21/2014
Type of Well: Well Code 72/dp	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) Kevin / SES
Distance from Waste/Source ____ ft. Enf. Stds. Apply ☐	Gov. Lot Number	

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 ____ ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐ __

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

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

E. Bentonite seal, top ____ ft. MSL or 1.0 ft.

F. Fine sand, top ____ ft. MSL or 41.5 ft.

G. Filter pack, top ____ ft. MSL or 43.0 ft.

H. Screen joint, top ____ ft. MSL or 45.0 ft.

I. Well bottom ____ ft. MSL or 50.0 ft.

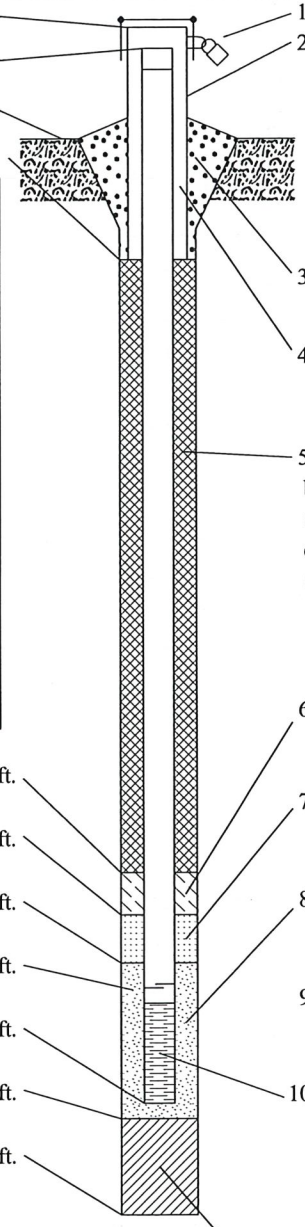
J. Filter pack, bottom ____ ft. MSL or 51.0 ft.

K. Borehole, bottom ____ ft. MSL or 51.0 ft.

L. Borehole, diameter 8.5 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.01 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: cast iron Steel ☐ 0 4 Other ☒ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 3 0 Concrete ☒ 0 1 ____ Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 ____ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____% Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 Tremie pumped ☐ 0 2 Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. #15 Red Flint
b. Volume added 50 lbs ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Red Flint
b. Volume added 200 lbs ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 Flush threaded PVC schedule 80 ☐ 2 4 ____ Other ☐ __
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1 Continuous slot ☐ 0 1 ____ Other ☐ __
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 4.7 ft.
11. Backfill material (below filter pack): None ☒ 1 4 ____ Other ☐ __

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

Signature	Firm	
Jayne Englebert	MSA Professional Services, Inc. 1230 South Boulevard Baraboo, WI 53913	Tel: 608-356-2771 Fax: 608-356-2770

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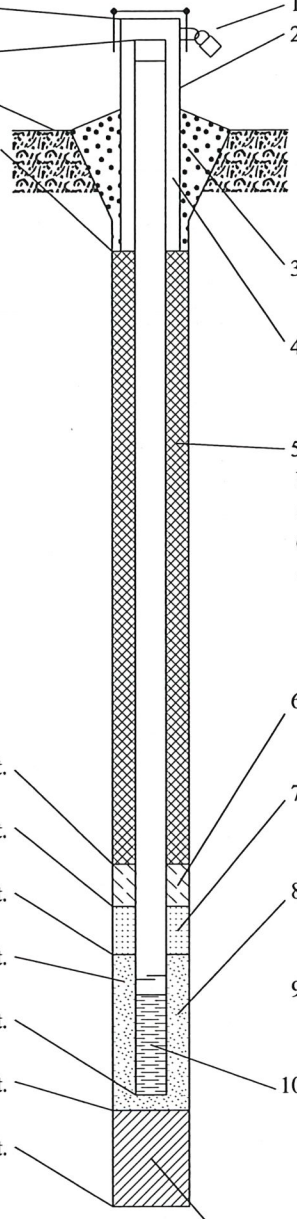
State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Winner's Circle Auto (Tim's Auto)	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-9P
Facility License, Permit or Monitoring No.	Local Grid Origin ☒ (estimated: ☒) or Well Location ☐ Lat. ° ' " Long. ° ' " or St. Plane ____ ft. N, ____ ft. E. S/C/N	Wis. Unique Well No.: VZ465 / DNR Well Number:
Facility ID: 339168015	Section Location of Waste/Source: NE 1/4 of SW 1/4 of Sec. 17, T. 15 N, R. 8 ☒ E ☐ W	Date Well Installed: 10/21/2014
Type of Well: Well Code 72/dp	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) Kevin / SES
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Gov. Lot Number:	



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 ____ ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / ____ Other ☐ __

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

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

____

E. Bentonite seal, top ____ ft. MSL or 1.0 ft.

F. Fine sand, top ____ ft. MSL or 40.5 ft.

G. Filter pack, top ____ ft. MSL or 42.5 ft.

H. Screen joint, top ____ ft. MSL or 45.0 ft.

I. Well bottom ____ ft. MSL or 50.0 ft.

J. Filter pack, bottom ____ ft. MSL or 51.0 ft.

K. Borehole, bottom ____ ft. MSL or 51.0 ft.

L. Borehole, diameter 8.5 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.01 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: cast iron — Steel ☐ 0 4 / Other ☒ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 3 0 / Concrete ☒ 0 1 / ____ Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 / ____ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. #15 Red Flint - Amer. Materials
b. Volume added 50 lbs ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Red Flint
b. Volume added 188 lbs ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / ____ Other ☐ __
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / ____ Other ☐ __
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 4.7 ft.
11. Backfill material (below filter pack): None ☒ 1 4 / ____ Other ☐ __

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

Signature	Firm	
Jayne Englebert	MSA Professional Services, Inc. 1230 South Boulevard Baraboo, WI 53913	Tel: 608-356-2771 Fax: 608-356-2770

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State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Winner's Circle Auto (Tim's Auto)	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.
Facility License, Permit or Monitoring No.	Local Grid Origin ☒ (estimated: ☒) or Well Location ☐ Lat. ° ' " Long. ° ' " or St. Plane ____ ft. N, ____ ft. E. S/C/N
Facility ID: 339168015	Section Location of Waste/Source: NE 1/4 of SW 1/4 of Sec. 17, T. 15 N, R. 8 ☒ E ☐ W
Type of Well: Well Code 72/dp	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known
Distance from Waste/Source ____ ft. Enf. Stds. Apply ☐	Gov. Lot Number
Well Name: MW-10P	Wis. Unique Well No.: VZ466 DNR Well Number:
Date Well Installed: 10/22/2014	Well Installed By: (Person's Name and Firm): Kevin / SES

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 ____ ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / ____ Other ☐ __

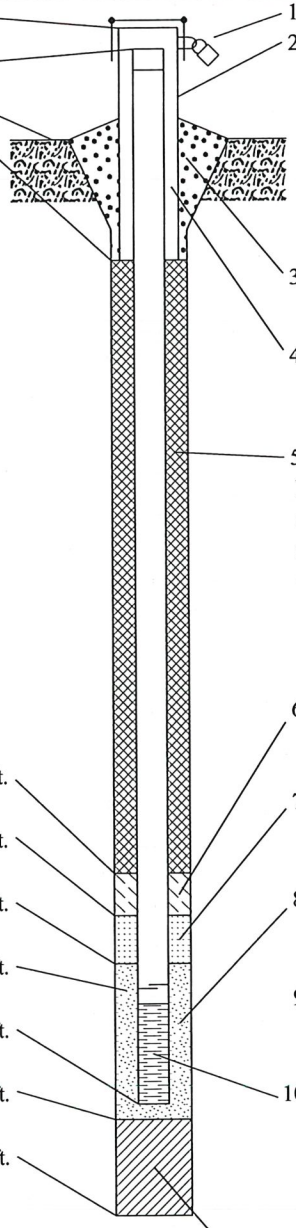
15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

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

E. Bentonite seal, top ____ ft. MSL or 1.0 ft.
F. Fine sand, top ____ ft. MSL or 41.2 ft.
G. Filter pack, top ____ ft. MSL or 42.8 ft.
H. Screen joint, top ____ ft. MSL or 45.0 ft.
I. Well bottom ____ ft. MSL or 50.0 ft.
J. Filter pack, bottom ____ ft. MSL or 51.0 ft.
K. Borehole, bottom ____ ft. MSL or 51.0 ft.
L. Borehole, diameter 8.5 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.01 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: cast iron Steel ☐ 0 4 Other ☒ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 3 0 Concrete ☒ 0 1 ____ Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 ____ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____% Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 Tremie pumped ☐ 0 2 Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. #15 Red Flint __
b. Volume added 50 lbs ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Red Flint / American Materials __
b. Volume added 213 lbs ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 Flush threaded PVC schedule 80 ☐ 2 4 ____ Other ☐ __
10. Screen material: PVC __
a. Screen Type: Factory cut ☒ 1 1 Continuous slot ☐ 0 1 ____ Other ☐ __
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 4.7 ft.
11. Backfill material (below filter pack): None ☒ 1 4 ____ Other ☐ __

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

Signature: Jayne Englebert
Firm: MSA Professional Services, Inc.
1230 South Boulevard Baraboo, WI 53913
Tel: 608-356-2771
Fax: 608-356-2770

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.