Meridian Environmental Consulting, LLC

March 8, 2019

Carrie Stoltz
Wisconsin Department of Natural Resources
107 Sutliff Ave
Rhinelander, WI 54501-3349

Subject: **Progess Report:**
- **Results of Ground Water Sampling 2018**
- **Hydraulic Conductivity Testing**

Bob's Auto (former)(currently owned by CWI)
W6217 US Hwy. 8
Tony, Wisconsin 54563
DNR BRRTS No. 03-55-000774
PECFA No. 54563-9667-08
Meridian No. 05F660

Dear Carrie:

This letter report summarizes the progress at the above referenced site since our last report of January 2018.

Please recall the DNR requested additional ground water sampling as well as hydraulic conductivity testing (slug tests). Subsequently, the monitoring wells were sampled May 3, August 10, and November 8, 2018. In addition, slug tests were conducted in MW-8, MW-13A, MW-13B, and MW-14.

Based on the results of the additional ground water sampling and hydraulic conductivity testing, we recommend No Further Action and the file be Closed with GIS Registry for Soil and Ground Water.

A Change Order for preparation of the Closure Packet will be submitted separately.

2711 N. Elco Road • Fall Creek, WI 54742 • (715) 832-6608 • Fax (715) 832-6797

RECENT WORK

Results of 2018 Ground Water Sampling

The monitoring well network (Figure 1) was sampled May 3, August 10, and November 8, 2018. The analytical reports are provided in Appendix A and summarized in Table 1.

Ground water levels were measured in each well during sampling (Table 2). Natural attenuation parameters (DO, pH, temperature, conductivity, oxygen reduction potential) were also measured during sampling (Table 3).

Hydraulic Conductivity Analysis

The hydraulic conductivity was measured in several wells (MW-8, MW-13A, MW-13B, MW-14) using slug tests. The field measurements are provided in Appendix B and summarized in Table 4.

DATA EVALUATION

Site Hydrogeology

Figure 2 is a cross-section illustrating the site hydrogeology based on available data. There are two main hydrogeologic units at this site: a heterogeneous finer-grained silty sand unit (35 to 50 feet thick) overlying a sand and gravel aquifer (unknown thickness). Precambrian basement rocks are typically found at a depth of about 75 - 100 feet in the area.

The sand and gravel aquifer is the main water source for private wells in the area. Most if not all residents of the Village are now on a public water system. The municipal well is located approximately 1 mile north of the Village near a small private airport.

Two water supply wells remain at two nearby businesses: Tony Depot (gas station) and Tony Lumber (Figure 1). Both wells are seldom (if ever) used for business purposes (e.g., vehicle washing). Both businesses are connected to the Village water supply system. Ground water sampling of these two wells indicated they are not impacted with petroleum parameters.

Ground Water Flow

Ground water flow is easterly toward Deer Creek (Figure 3). There does appear to be a ground water "mound" beneath and around the onsite building. This is likely due to the coarse sand backfill in the remedial excavations.

The monitoring well nests (i.e., MW-12A/12B, MW-13A/13B, MW-9/PZ-2) indicate a slight downward vertical gradient to the underlying sand and gravel aquifer.

The slug tests in MW-8, MW-13A, and MW-14 documented the lower permeability of the silty-sand geologic unit and the slug test in MW-13B measured the higher permeability of the underlying sand aquifer.

The ground water flow velocity within the shallow, silty sand sediments can be estimated between MW-1 and MW-8 using the simple calculation

$V = KI/n$

Where

V = average linear ground water flow velocity
I = hydraulic gradient (estimated as 0.002 between MW-1 and MW-8 on 11/8/18)
K = hydraulic conductivity (140 ft/yr (average of MW-1 (155 ft/yr) and MW-8 (124 ft/yr)
N = porosity (typically estimated as 30%)

This simple analysis estimates the average linear ground water flow velocity between MW-3R and MW-8 as 0.9 ft/yr. Although flow is likely higher in sand lenses, this low flow velocity estimate is consistent with the plume geometry shown in Figure 4. That is, contaminant transport is inhibited by the low permeability soils.

Extent of Impacted Soil

The soil excavations have removed as much impacted soil as practicable. Smear zone impacts remain beneath the building and Highway 8 to a limited extent.

No Direct Contact soils remain at this site.

Extent of Impacted Ground Water

At one time, there was LNAPL (light non-aqueous phase liquid or "free product") in MW-2 and MW-3 (now MW-2R and MW-3R) and MW-4. The remedial excavations removed source soils and LNAPL is no longer measured in any of the monitoring wells.

The estimated horizontal extent of dissolved phase contamination is illustrated in Figure 4. A plume of impacted ground water remains around the onsite building and extends northeasterly toward MW-8.

The deeper monitoring wells (e.g., PZ-1, MW-12B, MW-13B) and the nearby private wells (e.g., Tony Depot (screened 55 ft deep) and Tony Lumber (screened 55 ft deep)) are not impacted.

The concentrations over time are illustrated on the graphs in Figure 5. The concentrations indicate the plume is stable and/or receding.

The natural attenuation data (especially dissolved oxygen) indicates insitu biodegradation is active at the site. These natural attenuation processes should continue to improve the ground water quality over time.

CONCLUSIONS AND RECOMMENDATIONS

- The extent of impacted soil has been defined. Impacted source soils have been removed to the extent practicable. No Direct Contact concerns remain at this site.

- The impacted plastic water line has been replaced with copper piping. Impacted soil around the water line and sewer have been removed. A former septic tank and drain field was contributing to the spread of impacted ground water. This septic tank and drain field were removed during the excavation.

- No further work regarding Vapor Intrusion is recommended at this site.

- Ground water flow in the shallow silty-sand unit is to the east/northeast with a slight downward vertical gradient.

- The extent of impacted ground water is defined. The contaminant plume concentrations are stable. The soil excavations have removed source soils which will allow the ground water impacts to naturally attenuate over time.

We recommend this site be submitted for Closure with GIS Registry for Soil and Ground Water. The onsite building and Highway 8 will be identified as Structural Impediments in the Closure Packet.

A Change Order for preparation of the Closure Packet and GIS Notifications will be submitted separately.

Sincerely,
MERIDIAN ENVIRONMENTAL CONSULTING, LLC

Kenneth Shimko, PG
Project Manager

C: Gary Gilbert, PE
Project Engineer

TABLES

Table 1: Ground Water Sampling Results
Former Bob's Auto
Tony, Wisconsin

Sample	Date	FP (in)	Dissolved Lead	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes	DRO	GRO
NR140 ES				5	700	60	100	800			480	2000		
NR140 PAL				0.5	140	12	10	160			96	400		
Units				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MW-1	11/21/2005			4.5	3960	<15	905	25,500	3290	838	4,128	21,180	28,500	71,500
	7/27/2006			247	3150	ND	1,230	7,640	2820	819	3,639	16,840	NA	NA
	10/19/2006			241	4320	ND	939	10,200	4530	1,280	5,810	22,230	NA	NA
	10/3/2007	odor	14.5	227	2100	<20	332	4,570	2410	575	2,985	13,490	NA	NA
	2/26/2008		22.8	416	5480	363	1,350	10,400	8210	2,040	10,250	31,030	NA	NA
	5/19/2008		21.4	931	1560	189	587	1,670	4410	1,510	5,920	10,780	NA	NA
	8/7/2008	rainbows	9.94	436	2440	155	659	4,530	2710	821	3,531	13,330	NA	NA
	3/27/2009	14	NA	9640	17200	3430	5,080	55,900	29700	9,830	39,530	87,400	NA	NA
	6/12/2009	1	NA	4810	10200	488	2,870	25,200	14200	4,480	18,680	37,800	NA	NA
	9/30/2009	1	NA	1820	3400	200	752	15,300	2610	710	3,320	17,880	NA	NA
	12/17/2009	1	NA	1300	3060	249	484	12,100	2070	599	2,669	16,120	NA	NA
	2/16/2011	3	NA	563	5800	565	2,300	6,850	10100	3,460	13,560	32,180	NA	NA
	10/14/2011	0.5	NA	436	2690	<60	920	4,760	2680	774	3,454	14,970	NA	NA
	8/13/2012	film	NA	321	2550	<15.2	744	4,460	2610	744	3,354	14,100	NA	NA
	12/30/2015	0.0	NA	589	2600	<24.2	630	12,600	2290	663	2,953	14,500	NA	NA
	3/28/2016	0.0	NA	631	2870	<48.5	703	12,600	2670	754	3,424	16,600	NA	NA
	7/15/2016	0.0	NA	431	2390	31.6	576	9,380	2160	616	2,776	13,600	NA	NA
	10/17/2016	0.0	NA	380	2680	<48.5	618	9,660	2230	626	2,856	14,600	NA	NA
	3/31/2017	0.0	NA	291	2730	<48.5	650	8,530	2610	733	3,343	15,200	NA	NA
	6/23/2017	0.0	NA	131	1990	16.9J	612	5,130	2990	860	3,850	14,700	NA	NA
	9/29/2017	0.0	NA	186	2600	<24.2	719	6,040	2920	819	3,739	14,500	NA	NA
	12/6/2017	0.0	NA	142	2460	<48.5	490	5,320	2800	819	3,619	13,900	NA	NA
	5/3/2018	0.0	NA	153	2490	<32	642	5,950	2630	747	3,377	13,600	NA	NA
	8/10/2018	0.0	NA	109	2330	*20.6J*	712	3,820	3310	966	4,276	13,600	NA	NA
	11/8/2018	0.0	NA	104	2120	<16	597	3,860	2900	870	3,770	13,300	NA	NA

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NR140 ES				**5**	**700**	**60**	**100**	**800**			**480**	**2000**		
NR140 PAL				**0.5**	**140**	**12**	**10**	**160**			**96**	**400**		
Units				**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**
MW-2	11/21/2005	2.25	NA											
	2/24/2006	6	NA											
	7/27/2006	4	NA											
	10/19/2006	8	NA											
	Well abandoned July 30, 2006 for soil excavation													
MW-2R (installed September 25, 2007														
	10/3/2007	3	**127**	**40400**	**2480**	**2780**	**653**	**37600**	**1820**	**1540**	**3,360**	**13110**	NA	NA
	2/26/2008	1	**96**	**38600**	**3830**	**3520**	**1810**	**44900**	**3810**	**1460**	**5,270**	**18540**	NA	NA
	5/19/2008	1	**61.7**	**32500**	**3080**	**865**	**459**	**45200**	**2140**	**799**	**2,939**	**17140**	NA	NA
	8/7/2008	2	**79.9**	**22800**	**4590**	**783**	**2160**	**48400**	**6670**	**1930**	**8,600**	**26050**	NA	NA
	6/12/2009	0.1	NA	**24600**	**6040**	**493**	**1780**	**49500**	**9410**	**2920**	**12,330**	**33870**	NA	NA
	9/30/2009	0.5	NA	**21200**	**2570**	**233**	**722**	**35200**	**2430**	**657**	**3,087**	**16590**	NA	NA
	12/17/2009	film	NA	**9880**	**1870**	**181**	**434**	**23700**	**2370**	**729**	**3,099**	**16390**	NA	NA
	10/14/2011	film	NA	**4850**	**2140**	**1310**	**2120**	**6750**	**13500**	**4820**	**18,320**	**20750**	NA	NA
	8/13/2012	rainbows	NA	**5200**	*662*	*35.4*	**483**	**4560**	**2910**	**957**	**3,867**	**7370**	NA	NA
	12/30/2015	0	NA	**3880**	**1170**	*34.9*	**463**	**8670**	**2350**	**777**	**3,127**	**11800**	NA	NA
	3/28/2016	0	NA	**1360**	**873**	**<19.4**	**437**	**6600**	**2610**	**882**	**3,492**	**10900**	NA	NA
	7/15/2016	0.0	NA	**2650**	*683*	**92.7**	**331**	**3290**	**1890**	**641**	**2,531**	**8650**	NA	NA
	10/17/2016	0.0	NA	**8040**	**906**	*57.6J*	**297**	**1920**	**2140**	**785**	**2,925**	**6100**	NA	NA
	3/31/2017	0.0	NA	**6420**	**771**	*48.5J*	**284**	**3500**	**2240**	**931**	**3,171**	**6050**	NA	NA
	6/23/2017	0.0	NA	**3180**	*354*	*12.2J*	**137**	**2060**	**1060**	**514**	**1,574**	**2570**	NA	NA
	9/29/2017	0.0	NA	**2870**	*577*	*13.5J*	**217**	**3650**	**1530**	**710**	**2,240**	**3360**	NA	NA
	12/6/2017	0.0	NA	**1390**	*232*	*11.7J*	**145**	**2140**	**1440**	**714**	**2,154**	**2860**	NA	NA
	5/3/2018	0.0	NA	**1950**	*288*	**<12.8**	**209**	**2430**	**1910**	**896**	**2,806**	**4100**	NA	NA
	8/10/2018	0.0	NA	**1230**	*178*	*8.6J*	**141**	*798*	**1320**	**687**	**2,007**	**2550**	NA	NA
	11/8/2018	0.0	NA	**1230**	*189*	*14.8J*	*92.5*	*392*	**1090**	**707**	**1,797**	**2270**	NA	NA

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NR140 ES				**5**	**700**	**60**	**100**	**800**			**480**	**2000**		
NR140 PAL				**0.5**	**140**	**12**	**10**	**160**			**96**	**400**		
Units				**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**
MW-3	11/21/2005	1.25	NA	Free Product (1.25 inches)										
	2/24/2006	6	NA	Free Product (6 inches)										
	7/27/2006	2	NA	Free Product (2 inches)										
	10/19/2006	2	NA	Free Product (2 inches)										
	Well abandoned July 30, 2006 for soil excavation													
MW-3R (installed September 25, 2007)														
	10/3/2007	film	**3.89**	**13400**	**2580**	**<100**	**517**	**35600**	**1740**	**1580**	**3,320**	**14130**	NA	NA
	2/26/2008	6	**10.8**	**23800**	**3520**	**<300**	**1140**	**47500**	**2490**	**1040**	**3,530**	**17640**	NA	NA
	5/19/2008	film	**23**	**24300**	**3760**	**1130**	**834**	**47300**	**2960**	**1040**	**4,000**	**21790**	NA	NA
	8/7/2008	film	**36.5**	**22400**	**4210**	**1300**	**1380**	**40600**	**6080**	**1890**	**7,970**	**24180**	NA	NA
	3/27/2009	3	NA	**22700**	**7850**	**1120**	**2900**	**53000**	**15000**	**4910**	**19,910**	**44000**	NA	NA
	6/12/2009	0.1	NA	**25600**	**7700**	**783**	**2790**	**56200**	**13800**	**4380**	**18,180**	**43300**	NA	NA
	9/30/2009	4	NA	**19300**	**3270**	**272**	**696**	**42800**	**2410**	**638**	**3,048**	**18500**	NA	NA
	12/17/2009	film	NA	**17700**	**2880**	**255**	**441**	**39700**	**2150**	**629**	**2,779**	**17420**	NA	NA
	2/16/2011	film	NA	**14500**	**2900**	**728**	**1440**	**30300**	**5140**	**1660**	**6,800**	**16540**	NA	NA
	10/14/2011	film	NA	**8710**	**3390**	**530**	**2200**	**28100**	**7810**	**2550**	**10,360**	**27360**	NA	NA
	8/13/2012	rainbows	NA	**7660**	**1410**	<47.6	**608**	**21600**	**2080**	**633**	**2,713**	**12300**	NA	NA
	12/30/2015	0	NA	**5260**	**1820**	<60.6	**620**	**19900**	**2020**	**606**	**2626**	**14700**	NA	NA
	3/28/2016	0	NA	**1790**	**1010**	<24.2	**487**	**8490**	**2050**	**604**	**2654**	**11900**	NA	NA
	7/15/2016	0.0	NA	**3780**	**1850**	<48.5	**476**	**17400**	**1740**	**521**	**2261**	**14000**	NA	NA
	10/17/2016	0.0	NA	**3510**	**1060**	<48.5	**474**	**16300**	**1540**	**444**	**1984**	**13600**	NA	NA
	3/31/2017	0.0	NA	**3590**	**2170**	<97	**594**	**16500**	**2180**	**691**	**2871**	**15800**	NA	NA
	6/23/2017	0.0	NA	**1320**	**847**	<24.2	**259**	**5270**	**843**	**349**	**1192**	**6660**	NA	NA
	9/29/2017	0.0	NA	**2820**	**1400**	<48.5	**461**	**8420**	**1550**	**460**	**2010**	**10400**	NA	NA
	12/6/2017	0.0	NA	**2160**	**957**	<24.2	**260**	**7380**	**1420**	**440**	**1860**	**10100**	NA	NA
	5/3/2018	0.0	NA	**1850**	*694*	<32	**479**	**5640**	**1950**	**576**	**2526**	**11100**	NA	NA
	8/10/2018	0.0	NA	**1820**	**836**	<32	**367**	**6460**	**1330**	**401**	**1731**	**9900**	NA	NA
	11/8/2018	0.0	NA	**716**	*511*	<16	**266**	**3640**	**1220**	**398**	**1618**	**7340**	NA	NA

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Sample	Date	FP (in)	Dissolved Lead	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes	DRO	GRO
NR140 ES				5	700	60	100	800			480	2000		
NR140 PAL				0.5	140	12	10	160			96	400		
Units				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MW-4	3/6/2006	0.0	NA	16800	2950	<300	<800	37700	1760	1020	2,780	13100	NA	NA
	7/27/2006	0.0	NA	2220	2560	ND	1000	15500	2450	690	3,140	13690	NA	NA
	10/19/2006	0.0	NA	3510	2170	ND	455	15600	2080	614	2,694	11200	NA	NA
	10/3/2007	15	4.87	12100	3830	<200	1790	40900	6770	4980	11,750	21430	NA	NA
	5/19/2008	0.5	35	7450	15200	3000	4240	54200	29200	9040	38,240	84200	NA	NA
	8/7/2008	4.0	5.66	1490	3750	<300	1230	19800	4580	1470	6,050	19630	NA	NA
	3/27/2009	12	NA	5310	3050	<150	865	26400	3040	895	3,935	16820	NA	NA
	6/12/2009	2	NA	9570	4720	553	1150	37400	5440	1620	7,060	25220	NA	NA
	9/30/2009	3	NA	8830	11600	1370	4060	45600	23100	7020	30,120	62600	NA	NA
	12/17/2009	3	NA	6720	3190	407	486	29200	2550	766	3,316	17140	NA	NA
	2/16/2011	3	NA	1620	2790	422	2050	12000	9270	3090	12,360	20610	NA	NA
	10/14/2011	film	NA	3310	3340	379	1210	19800	5540	1710	7,250	20000	NA	NA
	8/13/2012	1	NA	2200	2240	<38.1	861	13400	3340	925	4,265	14400	NA	NA
	12/30/2015	1	NA	824	2080	<48.5	667	9810	2750	804	3,554	12900	NA	NA
	3/28/2016	0	NA	3800	2290	<48.5	962	15500	2820	777	3,597	13600	NA	NA
	7/15/2016	0.0	NA	3880	2180	<24.2	491	14800	1950	555	2,505	12200	NA	NA
	10/17/2016	ABANDONED DURING EXCAVATION (WATER LINE)												
MW-5	7/27/2006	0.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	10/19/2006	0.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	10/3/2007	0.0	1.15	<.2	<.1	<.2	<1	<.4	<.2	<.2	<.2	<.4	NA	NA
	2/26/2008	0.0	inaccessible - snow pile											
	5/19/2008	0.0	2.02	<.31	<.5	<.3	<.8	<.3	<.4	<.31	<.4	<.62	NA	NA
	8/7/2008	0.0	<.6	<.31	<.5	<.3	<.8	<.3	<.4	<.31	<.4	<.62	NA	NA
	6/12/2009	0.0	NA	not sampled										
	9/30/2009	0.0	NA	not sampled										
	2/16/2011	0.0	NA	<.31	<.5	<.3	<2	<.37	<.4	<.44	<.44	<.77	NA	NA
	10/14/2011	0.0	NA	<.31	<.5	<.3	<2	<.37	<.4	<.44	<.44	<.77	NA	NA
	8/13/2012	0.0	NA	<.39	<.41	<.38	<.4	<.42	<.43	<.4	<.43	<1.3	NA	NA
	12/30/2015	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	7/15/2016	NOT SAMPLED												
	10/17/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	3/31/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	6/23/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	9/29/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	12/6/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	5/3/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	8/10/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	11/8/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA

Table 1: Ground Water Sampling Results
Former Bob's Auto
Tony, Wisconsin

Sample	Date	FP (in)	Dissolved Lead	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes	DRO	GRO
NR140 ES				**5**	**700**	**60**	**100**	**800**			**480**	**2000**		
NR140 PAL				**0.5**	**140**	**12**	**10**	**160**			**96**	**400**		
Units				**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**
MW-6	7/27/2006	0.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	10/19/2006	0.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	10/3/2007	0.0	<.6	<.2	<.1	<.2	<1	<.4	<.2	<.2	<.2	<.4	NA	NA
	2/26/2008	0.0	inaccessible - snow pile											
	5/19/2008	0.0	**2.78**	<.31	<.5	<.3	<.8	<.3	<.4	<.31	<.4	<.62	NA	NA
	8/7/2008	0.0	<.6	<.31	<.5	<.3	<.8	<.3	<.4	<.31	<.4	<.62	NA	NA
	6/12/2009	0.0	NA	not sampled										
	9/30/2009	0.0	NA	not sampled										
	2/16/2011	0.0	inaccessible - snow pile											
	10/14/2011	0.0	NA	<.31	<.5	<.3	<2	<.37	<.4	<.44	<.44	<.77	NA	NA
	8/13/2012	0.0	NA	<.39	<.41	<.38	<.4	<.42	<.43	<.4	<.43	<1.3	NA	NA
	12/30/2015	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	7/15/2016	NOT SAMPLED												
	10/17/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	3/31/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	6/23/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	9/29/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	12/6/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	5/3/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	8/10/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	11/8/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
MW-7 (installed September 25, 2007)														
	10/3/2007	0.0	**.62**	**1.41**	<.1	<.2	<1	<.4	**0.26**	<.2	**0.26**	<.4	NA	NA
	2/26/2008	0.0	<.6	<.31	<.5	<.3	<.8	<.3	<.4	<.31	<.4	<.62	NA	NA
	5/19/2008	0.0	**2.17**	<.31	<.5	<.3	<.8	<.3	<.4	<.31	<.4	<.62	NA	NA
	8/7/2008	0.0	<.6	<.31	<.5	<.3	<.8	<.3	<.4	<.31	<.4	<.62	NA	NA
	6/12/2009	0.0	NA	not sampled										
	9/30/2009	0.0	NA	not sampled										
	2/16/2011	0.0	NA	<.31	<.5	<.3	<2	<.37	<.4	<.44	<.44	<.77	NA	NA
	10/14/2011	0.0	NA	<.31	<.5	<.3	<2	<.37	<.4	<.44	<.44	<.77	NA	NA
	8/13/2012	0.0	NA	<.39	<.41	<.38	<.4	<.42	<.43	<.4	<.43	<1.3	NA	NA
	12/30/2015	0.0	NA	<.4	<.39	<.48	<.42	**1.5**	<.42	<.42	<.42	<1.2	NA	NA
	7/15/2016	NOT SAMPLED												
	10/17/2016	0.0	NA	<.4	<.39	<.48	<.42	**<.39**	<.42	<.42	<.42	<1.2	NA	NA
	3/31/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	6/23/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	9/29/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	12/6/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	5/3/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	8/10/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	11/8/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA

Table 1: Ground Water Sampling Results
Former Bob's Auto
Tony, Wisconsin

Sample	Date	FP (in)	Dissolved Lead	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes	DRO	GRO
NR140 ES				5	700	60	100	800			480	2000		
NR140 PAL				0.5	140	12	10	160			96	400		
Units				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MW-8 (installed 2/20/09)														
	3/27/2009	0.0	NA	180	2970	<30	458	5100	1840	482	2,322	14640	NA	NA
	6/12/2009	0.0	NA	61.2	2720	401	619	6120	2210	592	2,802	16890	NA	NA
	9/30/2009	0.0	NA	<15.5	2560	105	519	2530	1930	485	2,415	8320	NA	NA
	12/17/2009	0.0	NA	76.1	2620	106	406	1940	1890	499	2,389	6450	NA	NA
	2/16/2011	0.0	NA	88.7	2080	129	578	1010	1160	415	1,575	4960	NA	NA
	10/14/2011	0.0	NA	34.5	2290	92.1	526	1160	1500	415	1,915	6810	NA	NA
	8/13/2012	0.0	NA	37.5	1850	9.4	480	*422*	1280	303	1,583	5030	NA	NA
	12/30/2015	0.0	NA	<9.9	1400	*<12.1*	468	*164*	1430	341	1,771	4920	NA	NA
	3/28/2016	0.0	NA	9.4	1890	<9.7	556	*192*	1770	425	2,195	7310	NA	NA
	7/15/2016	0.0	NA	11.9	1740	*13.2*	513	112	1570	385	1,955	7210	NA	NA
	10/17/2016	0.0	NA	9.7J	1650	*21.5*	504	71.2	1470	375	1,845	4830	NA	NA
	3/31/2017	0.0	NA	<9.9	1500	*15.3J*	497	77.7	1580	393	1,973	4910	NA	NA
	9/29/2017	0.0	NA	*4.5J*	910	7.6J	362	46.8	1240	275	1,515	2950	NA	NA
	12/6/2017	0.0	NA	<9.9	1160	*12.3J*	442	73.4	1560	390	1,950	3280	NA	NA
	5/3/2018	0.0	NA	7.0J	1200	10.8J	444	58.4	1490	372	1,862	4310	NA	NA
	8/10/2018	0.0	NA	<6.1	1410	9.6J	496	43	1480	368	1,848	4950	NA	NA
	11/8/2018	0.0	NA	<6.1	1230	*12.6J*	484	52.2	1450	313	1,763	3210	NA	NA
MW-9 (installed 1/25/11														
	2/16/2011	0.0	NA	<.31	<.5	<.3	<2	0.542	<.4	<.44	<.44	<.77	NA	NA
	10/14/2011	0.0	NA	<.31	<.5	<.3	<2	<.37	<.4	<.44	<.44	<.77	NA	NA
	8/13/2012	0.0	NA	<.39	<.41	<.38	<.4	<.42	<.43	<.4	<.43	<1.3	NA	NA
	12/30/2015	COULD NOT LOCATE												
	3/28/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	7/15/2016	NOT SAMPLED												
	10/17/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	3/31/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	6/23/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	9/29/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	12/6/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	5/3/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	8/10/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	11/8/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA

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Former Bob's Auto
Tony, Wisconsin

Sample	Date	FP (in)	Dissolved Lead	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes	DRO	GRO
NR140 ES				5	700	60	100	800			480	2000		
NR140 PAL				0.5	140	12	10	160			96	400		
Units				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MW-10 (installed 1/26/11)														
	2/16/2011		NA	483	962	156	169	99.3	2060	653	2,713	2559	NA	NA
	10/14/2011	COULD NOT LOCATE												
	8/13/2012	COULD NOT LOCATE												
	12/30/2015	COULD NOT LOCATE												
	7/15/2016	COULD NOT LOCATE (located in August with backhoe during excavation. New manway installed)												
	10/17/2016	0.0	NA	*0.84J*	13.8	3.7	*10.3*	4.5	66.1	23.9	90	52.3	NA	NA
	3/31/2017	0.0	NA	*1.8*	10.8	3.7	6.4	5	38.8	11.2	50	28.8	NA	NA
	6/23/2017	0.0	NA	**5.8**	9.7	1.2	2.9	9.2	6.5	1.3	8	18.4	NA	NA
	9/29/2017	0.0	NA	**6.4**	6.2	<.48	2.1	5.3	6	2	8	8.2	NA	NA
	12/6/2017	0.0	NA	*2.9*	1.6	.72J	.83J	.75J	4.5	1	6	1.9J	NA	NA
	5/3/2018	0.0	NA	*1.8*	73.2	7.8	41.2	9.2	413	123	**536**	282	NA	NA
	8/10/2018	vehicle parked over well												
	11/8/2018	0.0	NA	*4.6*	<.33	<.32	<.51	<.49	.5J	<.33	.5J	<.97	NA	NA
MW-11 (installed 9/27/11)														
	10/14/2011	0.0	NA	<.31	<.5	<.3	<2	<.37	<.4	<.44	<.44	<.77	NA	NA
	8/13/2012	0.0	NA	<.39	<.41	<.38	<.4	<.42	<.43	<.4	<.43	<1.3	NA	NA
	12/30/2015	NOT SAMPLED												
	3/28/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	7/15/2016	NOT SAMPLED												
	10/17/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	3/31/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	6/23/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	9/29/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	12/6/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	5/3/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	8/10/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	11/8/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
MW-12A (installed 12/15/15)														
	12/30/2015	0.0	NA	<2.5	23	<.87	*55.4*	<2.5	48.7	57.9	*107*	44.9	NA	NA
	3/28/2016	0.0	NA	<.4	12.7	0.77	*15.5*	<.39	10.5	15.8	26	20.7	NA	NA
	7/15/2016	0.0	NA	*0.8*	5.3	<.48	5.5	<.39	3.1	6.2	9	7.7	NA	NA
	10/17/2016	0.0	NA	<.4	7.7	0.73J	7	<.39	4.7	11.2	16	11.8	NA	NA
	3/31/2017	0.0	NA	<.4	4.2	<.48	.97J	<.39	1.6	3	5	8.4	NA	NA
	6/23/2017	0.0	NA	<.4	1.2	<.48	<.42	<.39	<.42	<.42	<.42	1.8J	NA	NA
	9/29/2017	0.0	NA	<.4	1.5	<.48	.81J	<.39	1.1	2	3	2.5J	NA	NA
	12/6/2017	0.0	NA	<.4	1.4	<.48	<.42	<.39	.54J	.8J	1.34J	2.1J	NA	NA
	5/3/2018	0.0	NA	<.31	3.7	<.32	.61J	<.49	1.2	2.4	4	4.6	NA	NA
	8/10/2018	0.0	NA	<.31	4.2	<.32	2.5	<.49	2.4	2.1	5	5.6	NA	NA
	11/8/2018	0.0	NA	<.31	2	<.32	<.51	<.49	.77J	1J	1.77J	2.5J	NA	NA

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Former Bob's Auto
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Sample	Date	FP (in)	Dissolved Lead	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes	DRO	GRO
NR140 ES				**5**	**700**	**60**	**100**	**800**			**480**	**2000**		
NR140 PAL				**0.5**	**140**	**12**	**10**	**160**			**96**	**400**		
Units				**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**
MW-12B (installed 12/15/15)														
	12/30/2015	0.0	NA	<.5	<.5	<.17	<2.5	<.5	<.5	<.5	<.5	<1	NA	NA
	3/28/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	7/15/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	10/17/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	3/31/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	6/23/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	9/29/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	12/6/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	5/3/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	8/10/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	11/8/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
MW-13A (installed 12/16/15)														
	12/30/2015	0.0	NA	<.5	**1.6**	<.17	<2.5	<.5	<2.2	<.5	<2.2	**5.9**	NA	NA
	3/28/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	7/15/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	10/17/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	3/31/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	6/23/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	9/29/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	12/6/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	5/3/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	8/10/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	11/8/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
MW-13B (installed 12/16/15)														
	12/30/2015	0.0	NA	<.5	<.5	<.17	<2.5	<.5	<.5	<.5	<.5	<1.5	NA	NA
	3/28/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	7/15/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	10/17/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	3/31/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	6/23/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	9/29/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	12/6/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	5/3/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	8/10/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	11/8/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA

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Tony, Wisconsin

Sample	Date	FP (in)	Dissolved Lead	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes	DRO	GRO
NR140 ES				**5**	**700**	**60**	**100**	**800**			**480**	**2000**		
NR140 PAL				**0.5**	**140**	**12**	**10**	**160**			**96**	**400**		
Units				**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**
MW-14 (installed 12/17/15)														
	12/30/2015	0.0	NA	**51.7**	46.9	<.17	*21.7*	206	177	63.2	*240*	*699*	NA	NA
	3/28/2016	0.0	NA	**88.5**	52.4	2	*11.3*	262	45.1	12.1	57	233	NA	NA
	7/15/2016	0.0	NA	**5**	16.5	1	4.9	0.92	5.6	4.3	10	15.3	NA	NA
	10/17/2016	0.0	NA	**57.3**	60.6	3.9	9.5	6	16.5	9.4	26	33.5	NA	NA
	3/31/2017	0.0	NA	**52**	45.1	6.5	5.3	1.6	17	8.3	25	30.2	NA	NA
	6/23/2017	0.0	NA	**75.6**	26.7	1.2	1.1	1.4	5.9	2	8	10.4	NA	NA
	9/29/2017	0.0	NA	*4.5*	13.4	1	2.5	1.7	11.4	1.9	13	10.7	NA	NA
	12/6/2017	0.0	NA	**20.3**	49.8	6.2	7.7	7.6	25.8	1.3	27	30.4	NA	NA
	5/3/2018	0.0	NA	**33.2**	26.1	8	5.3	3.9	21.8	2.5	24	29.6	NA	NA
	8/10/2018	0.0	NA	**27.6**	15.4	5.2	1.2J	5.5	11.1	<.33	11	9.7	NA	NA
	11/8/2018	0.0	NA	**16.8**	5.8	7.1	.66J	4.5	5.1	<.33	5	4	NA	NA
PZ-1 (installed 12/22/08)														
	3/27/2009	0.0	NA	**25400**	**727**	**676**	**396**	**970**	1230	349	**1,579**	**5320**	NA	NA
	6/12/2009	0.0	NA	**31900**	**926**	**749**	**457**	*752*	1480	385	**1,865**	**6240**	NA	NA
	9/30/2009	0.0	NA	**32700**	**918**	**1010**	**538**	*753*	1550	406	**1,956**	**6250**	NA	NA
	12/17/2009	0.0	NA	**29700**	*130*	**937**	**311**	*673*	1060	344	**1,404**	**5060**	NA	NA
	2/16/2011	0.0	NA	**31000**	**1140**	**655**	**447**	*432*	1210	319	**1,529**	**2889**	NA	NA
	10/14/2011	0.0	NA	**583**	*32.3*	**45.2**	<20	13.3	20.9	7.11	28	65	NA	NA
	8/13/2012	0.0	NA	**24400**	**1510**	**353**	**416**	*467*	1140	304	**1,444**	**3080**	NA	NA
	12/30/2015	0.0	NA	**25200**	**1570**	**209**	**429**	*456*	1100	328	**1,428**	**2140**	NA	NA
	3/28/2016	0.0	NA	**27600**	**1250**	**205**	**503**	*450*	1430	394	**1,824**	**2600**	NA	NA
	7/15/2016	0.0	NA	**26400**	**2100**	**151**	**496**	*508*	1250	360	**1,610**	**2480**	NA	NA
	10/17/2016	ABANDONED DURING EXCAVATION (WATER LINE)												
PZ-2 (installed 1/25/11)														
	2/16/2011	0.0	NA	<.31	0.928	<.3	<2	1.16	1.15	<.44	**1.15**	2.468	NA	NA
	10/14/2011	0.0	NA	<.31	<.5	<.3	<2	<.37	<.4	<.44	<.44	<.77	NA	NA
	8/13/2012	0.0	NA	<.39	<.41	<.38	<.4	<.42	<.43	<.4	<.43	<1.3	NA	NA
	12/30/2015	COULD NOT LOCATE												
	3/28/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	7/15/2016	NOT SAMPLED												
	10/17/2016	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	3/31/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	6/23/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	9/29/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	12/6/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	5/3/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	8/10/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	11/8/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA

Table 1: Ground Water Sampling Results
Former Bob's Auto
Tony, Wisconsin

Sample	Date	FP (in)	Dissolved Lead	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes	DRO	GRO
NR140 ES				**5**	**700**	**60**	**100**	**800**			**480**	**2000**		
NR140 PAL				**0.5**	**140**	**12**	**10**	**160**			**96**	**400**		
Units				**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**
Tony Depot - Well														
	4/30/2011	0.0	NA	<.31	<.5	<.3	<2	<.37	<.4	<.44	<.44	**0.936***	NA	NA
	10/14/2011	0.0	NA	<.31	<.5	<.3	<2	<.37	<.4	<.44	<.44	**0.739***	NA	NA
	8/13/2012	0.0	NA	<.39	<.41	<.38	<.4	<.42	<.43	<.4	<.43	<1.3	NA	NA
	5/3/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	8/10/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	11/8/2018	0.0	NA	<.12	<.11	<.17	<.18	<.078	<.23	<.15	<.38	<.3	NA	NA
Tony Lumber - Well														
	10/21/2011	0.0	NA	<.31	<.5	<.3	<2	<.37	<.4	<.44	<.44	**1.23***	NA	NA
	8/13/2012	0.0	NA	<.39	<.41	<.38	<.4	<.42	<.43	<.4	<.43	<1.3	NA	NA
	6/23/2017	0.0	NA	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2	NA	NA
	5/3/2018	Not Sampled												
	8/10/2018	0.0	NA	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.67	<.97	NA	NA
	11/8/2018	0.0	NA	<.12	<.11	<.17	<.18	<.078	<.23	<.15	<.38	<.3	NA	NA

Table 2: Ground Water Elevations
Bob's Auto (former)
Tony, Wisconsin

MW-1				MW-2R (replace MW-2)				MW-3R (replace MW-3)			
Surface Elevation (ft.)		1226		Surface Elevation (ft.)		1226		Surface Elevation (ft.)		1225.5	
Top of Casing Elevation (ft.)		1225.88		Top of Casing Elevation (ft.)		1225.83		Top of Casing Elevation (ft.)		1225.21	
Top of Screen Elevation (ft)		1216		Top of Screen Elevation (ft)		1215.83		Top of Screen Elevation (ft)		1215.21	
Bottom of Screen Elevation (ft)		1201		Bottom of Screen Elevation (ft)		1205.83		Bottom of Screen Elevation (ft)		1205.21	
Meas. Date	DTW (ft)	GW Elev.(ft)	FP (inch)	Meas. Date	DTW (ft)	GW Elev.(ft)	FP (inch)	Meas. Date	DTW (ft)	GW Elev.(ft)	FP (inch)
10/3/2007	13.58	1212.3	odor	10/3/2007	14.4	1211.43	3	10/3/2007	12.68	1212.53	film
2/26/2008	14.7	1211.18		2/26/2008	NM		1	2/26/2008	NM		6
5/19/2008	10.66	1215.22		5/19/2008	NM		1	5/19/2008	NM		film
8/7/2008	12.82	1213.06	rainbows	8/7/2008	13.1	1212.73	2	8/7/2008	11.17	1214.04	film
3/27/2009	16.68	1209.2	14	3/27/2009	15.5	1210.33	3	3/27/2009	14.5	1210.71	3
6/12/2009	13.39	1212.49	1	6/12/2009	13.51	1212.32	film	6/12/2009	12.18	1213.03	film
9/30/2009	14.35	1211.53	1	9/30/2009	14.62	1211.21	0.5	9/30/2009	13.05	1212.16	4
12/17/2009	13.55	1212.33	1	12/17/2009	13.7	1212.13	film	12/17/2009	12.35	1212.86	film
2/16/2011	13.1	1212.78	3	2/16/2011	inaccessible			2/16/2011	11.64	1213.57	film
10/14/2011	12.58	1213.3	0.5	10/14/2011	12.46	1213.37	film	10/14/2011	10.88	1214.33	film
8/13/2012	12.9	1212.98	film	8/13/2012	12.92	1212.91	rainbows	8/13/2012	11.1	1214.11	rainbows
12/30/2015	10.48	1215.4	0	12/30/2015	10.62	1215.21	0	12/30/2015	9.84	1215.37	0
3/28/2016	10.72	1215.16	0	3/28/2016	10.65	1215.18	0	3/28/2016	10.18	1215.03	0
7/15/2016	10.89	1214.99	0	7/15/2016	10.38	1215.45	0	7/15/2016	9.44	1215.77	0
Resurvey 10/17/16		*1225.88*		*Resurvey 10/17/16*		*1225.75*		*Resurvey 10/17/16*		*1225.13*	
10/17/2016	10.75	1215.13	0	10/17/2016	10.33	1215.42	0	10/17/2016	9.39	1215.74	0
3/31/2017	10.64	1215.24	0	3/31/2017	10.25	1215.5	0	3/31/2017	9.2	1215.93	0
6/23/2017	8.28	1217.6	0	6/23/2017	8.01	1217.74	0	6/23/2017	6.84	1218.29	0
9/29/2017	10.8	1215.08	0	9/29/2017	10.3	1215.45	0	9/29/2017	9.19	1215.94	0
12/6/2017	10.98	1214.9	0	12/6/2017	10.55	1215.2	0	12/6/2017	9.51	1215.62	0
5/3/2018	11.38	1214.5	0	5/3/2018	10.85	1214.9	0	5/3/2018	9.53	1215.6	0
8/10/2018	11.08	1214.8	0	8/10/2018	10.063	1215.687	0	8/10/2018	9.11	1216.02	0
11/8/2018	10.4	1215.48	0	11/8/2018	9.9	1215.85	0	11/8/2018	8.75	1216.38	0

MW-4				MW-5				MW-6			
Surface Elevation (ft.)		1224		Surface Elevation (ft.)		1228		Surface Elevation (ft.)		1223.5	
Top of Casing Elevation (ft.)		1223.82		Top of Casing Elevation (ft.)		1227.56		Top of Casing Elevation (ft.)		1223.07	
Top of Screen Elevation (ft)		1212.82		Top of Screen Elevation (ft)		1215.56		Top of Screen Elevation (ft)		1211.07	
Bottom of Screen Elevation (ft)		1202.82		Bottom of Screen Elevation (ft)		1205.56		Bottom of Screen Elevation (ft)		1201.07	
Meas. Date	DTW (ft)	GW Elev.(ft)	FP (inch)	Meas. Date	DTW (ft)	GW Elev.(ft)	FP(in)	Meas. Date	DTW (ft)	GW Elev.(ft)	FP(in)
10/3/2007	12.85	1210.97	15	10/3/2007	15.68	1211.88	0	10/3/2007	7.91	1215.16	0
2/26/2008	inaccessible			2/26/2008	inaccessible			2/26/2008	inaccessible		
5/19/2008	7.92	1215.9	0.5	5/19/2008	12.88	1214.68	0	5/19/2008	7.59	1215.48	0
8/7/2008	10.92	1212.9	4	8/7/2008	15.08	1212.48	0	8/7/2008	9.85	1213.22	0
3/27/2009	14.02	1209.8	12	3/27/2009	17.04	1210.52	0	3/27/2009	11.68	1211.39	0
6/12/2009	11.63	1212.19	2	6/12/2009	15.7	1211.86	0	6/12/2009	10.62	1212.45	0
9/30/2009	12.35	1211.47	3	9/30/2009	16.75	1210.81	0	9/30/2009	11.48	1211.59	0
12/17/2009	11.51	1212.31	3	12/17/2009	15.73	1211.83	0	12/17/2009	10.83	1212.24	0
2/16/2011	10.55	1213.27	3	2/16/2011	14.8	1212.76	0	2/16/2011	inaccessible - Village snowpile		
10/14/2011	10.48	1213.34	film	10/14/2011	14.71	1212.85	0	10/14/2011	9.97	1213.1	0
8/13/2012	10.7	1213.12	1	8/13/2012	15.27	1212.29	0	8/13/2012	10.08	1212.99	0
12/30/2015	9.8	1214.02	1	12/30/2015	12.62	1214.94	0	12/30/2015	6.81	1216.26	0
3/28/2016	9.2	1214.62	0	3/28/2016	NM	NM	NM	3/28/2016	NM	NM	NM
7/15/2016	8.73	1215.09	0	7/15/2016	NM	NM	NM	7/15/2016	NM	NM	NM
Abandoned August 2016 during excavation (water line)				*Resurvey 10/17/16*		*1227.5*		*Resurvey 10/17/16*		*1223.06*	
				10/17/2016	13.01	1214.49	0	10/17/2016	7.97	1215.09	0
				3/31/2017	12.8	1214.7	0	3/31/2017	7.28	1215.78	0
				6/23/2017	10.82	1216.68	0	6/23/2017	4.31	1218.75	0
				9/29/2017	13.03	1214.47	0	9/29/2017	8.05	1215.01	0
				12/6/2017	13.05	1214.45	0	12/6/2017	8.39	1214.67	0
				5/3/2018	13.12	1214.38	0	5/3/2018	7.85	1215.21	0
				8/10/2018	13.38	1214.12	0	8/10/2018	6.78	1216.28	0
				11/8/2018	12.59	1214.91	0	11/8/2018	5.92	1217.14	0

Table 2: Ground Water Elevations
Bob's Auto (former)
Tony, Wisconsin

MW-7				MW-8 (installed 2/20/09)			
Surface Elevation (ft.)		1224		Surface Elevation (ft.)		1225	
Top of Casing Elevation (ft.)		1223.8		Top of Casing Elevation (ft.)		1224.73	
Top of Screen Elevation (ft)		1214		Top of Screen Elevation (ft)		1215	
Bottom of Screen Elevation (ft)		1204		Bottom of Screen Elevation (ft)		1205	
Meas. Date	DTW (ft)	GW Elev.(ft)	FP(in)	Meas. Date	DTW (ft)	GW Elev.(ft)	FP(in)
10/3/2007	12.28	1211.52	0				
2/26/2008	12.78	1211.02	0				
5/19/2008	9.01	1214.79	0				
8/7/2008	10.99	1212.81	0				
3/27/2009	13.68	1210.12	0	3/27/2009	14.18	1210.55	0
6/12/2009	11.89	1211.91	0	6/12/2009	12.93	1211.8	0
9/30/2009	12.75	1211.05	0	9/30/2009	14.18	1210.55	0
12/17/2009	11.92	1211.88	0	12/17/2009	13.15	1211.58	0
2/16/2011	11.14	1212.66	0	2/16/2011	12.21	1212.52	0
10/14/2011	10.92	1212.88	0	10/14/2011	12.08	1212.65	0
8/13/2012	11.15	1212.65	0	8/13/2012	12.7	1212.03	0
				Resurveyed 12/28/15 - top of casing =		1224.62	
12/30/2015	8.8	1215	0	12/30/2015	9.9	1214.72	0
3/28/2016	9.12	1214.68	0	3/28/2016	9.61	1215.01	0
7/15/2016	NM	NM	NM	7/15/2016	10.58	1214.04	0
Resurvey 10/17/16		*1223.8*		*Resurvey 10/17/16*		*1224.62*	
10/17/2016	9.14	1214.66	0	10/17/2016	10.45	1214.17	0
3/31/2017	8.73	1215.07	0	3/31/2017	9.94	1214.68	0
6/23/2017	6.52	1217.28	0	6/23/2017	8.1	1216.52	0
9/29/2017	9.06	1214.74	0	9/29/2017	10.41	1214.21	0
12/6/2017	9.2	1214.6	0	12/6/2017	10.44	1214.18	0
5/3/2018	9.55	1214.25	0	5/3/2018	10.23	1214.39	0
8/10/2018	9.47	1214.33	0	8/10/2018	10.74	1213.88	0
11/8/2018	8.67	1215.13	0	11/8/2018	9.71	1214.91	0

MW-9 (installed 1/25/11)				MW-10 (installed 1/26/11)				MW-11 (installed 9/27/11)			
Surface Elevation (ft.)		1225.5		Surface Elevation (ft.)		1226		Surface Elevation (ft.)		1227	
Top of Casing Elevation (ft.)		1225.39		Top of Casing Elevation (ft.)		1225.84		Top of Casing Elevation (ft.)		1228.71	
Top of Screen Elevation (ft)		1213.5		Top of Screen Elevation (ft)		1216		Top of Screen Elevation (ft)		1217	
Bottom of Screen Elevation (ft)		1203.5		Bottom of Screen Elevation (ft)		1206		Bottom of Screen Elevation (ft)		1207	
Meas. Date	DTW (ft)	GW Elev.(ft)	FP(in)	Meas. Date	DTW (ft)	GW Elev.(ft)	FP(in)	Meas. Date	DTW (ft)	GW Elev.(ft)	FP(in)
2/16/2011	13.05	1212.34	0	2/16/2011	13.03	1212.81	0				
10/14/2011	13.38	1212.01	0	10/14/2011	could not locate		0	10/14/2011	15.75	1212.96	0
8/13/2012	13.85	1211.54	0	8/13/2012	could not locate		0	8/13/2012	16.09	1212.62	0
12/30/2015	NM	NM	NM	12/30/2015	could not locate		0	12/30/2015	NM	NM	NM
3/28/2016	10.85	1214.54	0	3/28/2016	could not locate		0	3/28/2016	13.73	1214.98	0
7/15/2016	NM	NM	NM	7/15/2016	could not locate			7/15/2016	NM	NM	NM
Resurvey 10/17/16		*1225.16*		*Resurvey 10/17/16*		*1225.52*		*Resurvey 10/17/16*		*1228.64*	
10/17/2016	11.37	1213.79	0	10/17/2016	10.35	1215.17	0	10/17/2016	13.56	1215.08	0
3/31/2017	10.88	1214.28	0	3/31/2017	10.32	1215.2	0	3/31/2017	13.66	1214.98	0
6/23/2017	9.57	1215.59	0	6/23/2017	7.87	1217.65	0	6/23/2017	11.33	1217.31	0
9/29/2017	11.38	1213.78	0	9/29/2017	10.29	1215.23	0	9/29/2017	13.57	1215.07	0
12/6/2017	11.26	1213.9	0	12/6/2017	10.47	1215.05	0	12/6/2017	13.88	1214.76	0
5/3/2018	11.34	1213.82	0	5/3/2018	11.18	1214.34	0	5/3/2018	14.67	1213.97	0
8/10/2018	11.78	1213.38	0	8/10/2018	vehicle		0	8/10/2018	14.42	1214.22	0
11/8/2018	10.84	1214.32	0	11/8/2018	10.14	1215.38	0	11/8/2018	13.77	1214.87	0

MW-12A (installed 12/15/15)			
Surface Elevation (ft.)		1222	
Top of Casing Elevation (ft.)		1221.63	
Top of Screen Elevation (ft)		1212	
Bottom of Screen Elevation (ft)		1202	
Meas. Date	DTW (ft)	GW Elev.(ft)	FP(in)
12/30/2015	7.52	1214.11	0
3/28/2016	7.29	1214.34	0
7/15/2016	8.03	1213.6	0
Resurvey 10/17/16		*1221.69*	
10/17/2016	8.05	1213.64	0
3/31/2017	7.41	1214.28	0
6/23/2017	5.9	1215.79	0
9/29/2017	7.95	1213.74	0
12/6/2017	7.85	1213.84	0
5/3/2018	8.01	1213.68	0
8/10/2018	8.48	1213.21	0
11/8/2018	7.48	1214.21	0

MW-12B (installed 12/15/15)			
Surface Elevation (ft.)		1222	
Top of Casing Elevation (ft.)		1221.94	
Top of Screen Elevation (ft)		1185	
Bottom of Screen Elevation (ft)		1180	
Meas. Date	DTW (ft)	GW Elev.(ft)	FP(in)
12/30/2015	7.98	1213.96	0
3/28/2016	7.74	1214.2	0
7/15/2016	8.54	1213.4	0
Resurvey 10/17/16		*1221.97*	
10/17/2016	8.45	1213.52	0
3/31/2017	7.85	1214.12	0
6/23/2017	6.48	1215.49	0
9/29/2017	8.4	1213.57	0
12/6/2017	8.26	1213.71	0
5/3/2018	8.45	1213.52	0
8/10/2018	8.85	1213.12	0
11/8/2018	7.83	1214.14	0

MW-13A (installed 12/16/15)			
Surface Elevation (ft.)		1221.5	
Top of Casing Elevation (ft.)		1221.39	
Top of Screen Elevation (ft)		1213.5	
Bottom of Screen Elevation (ft)		1203.5	
Meas. Date	DTW (ft)	GW Elev.(ft)	FP(in)
12/30/2015	7.35	1214.04	0
3/28/2016	6.85	1214.54	0
7/15/2016	8.21	1213.18	0
Resurvey 10/17/16		*1221.4*	
10/17/2016	7.92	1213.48	0
3/31/2017	7.09	1214.31	0
6/23/2017	5.99	1215.41	0
9/29/2017	7.99	1213.41	0
12/6/2017	7.75	1213.65	0
5/3/2018	7.52	1213.88	0
8/10/2018	8.25	1213.15	0
11/8/2018	7.03	1214.37	0

MW-13B (installed 12/16/15)	35-40		
Surface Elevation (ft.)		1221.5	
Top of Casing Elevation (ft.)		1221.3	
Top of Screen Elevation (ft)		1186.5	
Bottom of Screen Elevation (ft)		1181.5	
Meas. Date	DTW (ft)	GW Elev.(ft)	FP(in)
12/30/2015	8.28	1213.02	0
3/28/2016	7.85	1213.45	0
7/15/2016	8.95	1212.35	0
Resurvey 10/17/16		*1221.32*	
10/17/2016	8.52	1212.8	0
3/31/2017	7.93	1213.39	0
6/23/2017	7.28	1214.04	0
9/29/2017	8.52	1212.8	0
12/6/2017	8.18	1213.14	0
5/3/2018	8.53	1212.79	0
8/10/2018	8.93	1212.39	0
11/8/2018	7.89	1213.43	0

MW-14 (installed 12/17/15)			
Surface Elevation (ft.)		1224.5	
Top of Casing Elevation (ft.)		1224.28	
Top of Screen Elevation (ft)		1214.5	
Bottom of Screen Elevation (ft)		1204.5	
Meas. Date	DTW (ft)	GW Elev.(ft)	FP(in)
12/30/2015	9.25	1215.03	0
3/28/2016	9.21	1215.07	0
7/15/2016	9.6	1214.68	0
Resurvey 10/17/16		*1224.24*	
10/17/2016	9.65	1214.59	0
3/31/2017	9.17	1215.07	0
6/23/2017	7.09	1217.15	0
9/29/2017	9.48	1214.76	0
12/6/2017	9.65	1214.59	0
5/3/2018	9.77	1214.47	0
8/10/2018	9.9	1214.34	0
11/8/2018	9.04	1215.2	0

Table 2: Ground Water Elevations
Bob's Auto (former)
Tony, Wisconsin

PZ-1 (installed 12/22/09)				**PZ-2(installed 1/25/11)**			
Surface Elevation (ft.)		1224.75		Surface Elevation (ft.)		1225.5	
Top of Casing Elevation (ft.)		1224.62		Top of Casing Elevation (ft.)		1225.33	
Top of Screen Elevation (ft)		1194.75		Top of Screen Elevation (ft)		1195.5	
Bottom of Screen Elevation (ft)		1189.75		Bottom of Screen Elevation (ft)		1190.5	
Meas. Date	DTW (ft)	GW Elev.(ft)	FP(in)	Meas. Date	DTW (ft)	GW Elev.(ft)	FP(in)
3/27/2009	14.38	1210.24	0				
6/12/2009	12.59	1212.03	0				
9/30/2009	13.37	1211.25	0				
12/17/2009	12.56	1212.06	0				
2/16/2011	11.78	1212.84	0	2/16/2011	13.4	1211.99	0
10/14/2011	11.47	1213.15	0	10/14/2011	12.99	1212.4	0
8/13/2012	10.73	1213.89	0	8/13/2012	14.62	1210.77	0
12/30/2015	9.4	1215.22	0	12/30/2015	NM	NM	NM
3/28/2016	9.7	1214.92	0	3/28/2016	11.33	1214.06	0
7/15/2016	9.78	1214.84	0	7/15/2016	NM	NM	NM
Abandoned August 2016 during excavation (water line)				*Resurvey 10/17/16*		*1225.19*	
				10/17/2016	12.1	1213.09	0
				3/31/2017	11.45	1213.74	0
				6/23/2017	10.71	1214.48	0
				9/29/2017	11.89	1213.3	0
				12/6/2017	11.91	1213.28	0
				5/3/2018	11.95	1213.24	0
				8/10/2018	12.37	1212.82	0
				11/8/2018	11.33	1213.86	0

Table 3: Natural Attenuation Field Measurements
Bob's Auto (former)

Well	DO	pH	Temp	Conductivity	ORP
MW-1					
12/30/2015	0	--	--	--	--
3/28/2016	0	7.42	10.5	472	-35
7/15/2016	0	7.36	12.6	506	42
10/17/2016	0	7.95	15.8	425	53
3/31/2017	0	7.39	8.2	429	-54
6/23/2017	0	7.36	10.8	382	*
9/29/2017	0	7.01	13.5	388	-45
12/6/2017	<<1	7.72	6.8	388	-30
5/3/2018	0	7.85	10	434	-107
8/10/2018	0	7.45	13.4	481	61
11/8/2018	0	7.48	9.6	433	40
MW-2R					
12/30/2015	0	--	--	--	--
3/28/2016	2	7.83	10.9	336	22
7/15/2016	<1	7.37	14.7	574	-36
10/17/2016	<<1	7.34	16.4	563	65
3/31/2017	0	7.74	8.1	809	-101
6/23/2017	2	7.28	13.2	262	*
9/29/2017	0	6.92	13.9	561	-34
12/6/2017	<<1	7.59	8	347	-30
5/3/2018	0	7.45	9.2	1477	-151
8/10/2018	0	7.3	15.2	449	24
11/8/2018	1	7.47	8.7	286	24
MW-3R					
12/30/2015	0	--	--	--	--
3/28/2016	1	7.79	8.7	419	-74
7/15/2016	<1	7.5	15.3	377	-76
10/17/2016	<<1	7.27	17.3	483	9
3/31/2017	<1	7.52	8.6	776	-97
6/23/2017	<1	7	14.4	406	*
9/29/2017	0	7.04	15.2	434	-49
12/6/2017	<<1	7.49	8.1	441	-39
5/3/2018	0	7.43	8.6	1193	-126
8/10/2018	<<1	7.3	16.8	556	24
11/8/2018	0	7.46	9.1	318	8

Well	DO	pH	Temp	Conductivity	ORP
MW-10					
12/30/2015	--	--	--	--	--
3/28/2016	--	--	--	--	--
7/15/2016	--	--	--	--	--
10/17/2016	0	6.91	16.6	512	21
3/31/2017	<1	7.57	7	588	-70
6/23/2017	0	7.96	13.3	568	*
9/29/2017	<1	7.45	14.4	325	-75
12/6/2017	0	7.19	8	638	-81
5/3/2018	0	8.03	9.3	436	-107
8/10/2018	vehicle over well				
11/8/2018	<<1	7.36	9.4	489	50
MW-11					
12/30/2015	--	--	--	--	--
3/28/2016	<1	7.65	9.4	581	-67
7/15/2016	--	--	--	--	--
10/17/2016	2	7.44	15.5	482	-12
3/31/2017	3	8.34	7.3	420	-82
6/23/2017	2	7.87	13.1	420	*
9/29/2017	1	7.78	13.1	598	-87
12/6/2017	1	7.7	6.8	560	-52
5/3/2018	<1	8.58	9.1	603	-141
8/10/2018	1	7.53	14.2	416	-99
11/8/2018	2	7.48	7.7	419	19
MW-12A					
12/30/2015	<=1	6.85	7	6630	135
3/28/2016	<1	7.46	7.5	5750	64
7/15/2016	<1	7.75	13.8	5080	71
10/17/2016	1	7.3	15.7	3550	43
3/31/2017	1	7.62	7	3130	-51
6/23/2017	1	6.78	12.9	3480	*
9/29/2017	6	6.8	15	3470	-44
12/6/2017	1	7.29	5	3400	-56
5/3/2018	1	7.62	8	1779	-141
8/10/2018	2	7.23	19.1	3410	95
11/8/2018	1	7.32	7.7	1794	120

Well	DO	pH	Temp	Conductivity	ORP
MW-4					
12/30/2015	<1	--	--	--	--
3/28/2016	<1	7.83	10.1	610	-7
7/15/2016	<1	7.75	13.7	1060	-49
10/17/2016	abandoned due to excavation (water line)				
MW-5					
12/30/2015	3	7.7	8.8	1027	104
3/28/2016	--	--	--	--	--
7/15/2016	--	--	--	--	--
10/17/2016	1	7.05	16.4	885	4
3/31/2017	2	7.75	8.5	806	-62
6/23/2017	3	7.23	12.4	768	*
9/29/2017	3	7.08	13.4	975	-48
12/6/2017	4	7.48	7.3	958	-13
5/3/2018	2	7.98	9.3	688	-109
8/10/2018	2	7.29	16.9	712	-86
11/8/2018	2	7.29	9.1	962	-6
MW-6					
12/30/2015	2	8.16	8.7	217	99
3/28/2016	--	--	--	--	--
7/15/2016	--	--	--	--	--
10/17/2016	4	7.31	17.4	215	3
3/31/2017	3	7.81	6.6	214	-80
6/23/2017	4	7.8	13.5	180	*
9/29/2017	1	7.34	14.4	194.1	-45
12/6/2017	<1	7.87	5.2	215	-54
5/3/2018	5	8.31	7.4	328	-98
8/10/2018	3	7.32	16.9	238	-96
11/8/2018	1	7.31	9.3	211	17
MW-7					
12/30/2015	2	8.4	8.6	354	187
3/28/2016	--	--	--	--	--
7/15/2016	--	--	--	--	--
10/17/2016	2	7.34	16.5	372	25
3/31/2017	2	8.19	7.8	421	-89
6/23/2017	3	7.31	12.5	452	*
9/29/2017	5	7.12	13.3	399	-67
12/6/2017	5	7.62	8.2	392	-39
5/3/2018	1	8.07	8.7	615	-107
8/10/2018	3	7.36	16.9	501	-72
11/8/2018	4	7.3	8.5	580	0
MW-8					
12/30/2015	0	7.67	7.9	1008	-7
3/28/2016	0	7.25	9.3	904	-41
7/15/2016	<1	7.42	13.4	1072	-8
10/17/2016	0	7.32	16.4	781	-42
3/31/2017	<1	7.68	8.9	601	-100
6/23/2017	<1	7.64	12.9	409	*
9/29/2017	0	7.39	13.9	593	-89
12/6/2017	<<1	7.3	8.3	652	-62
5/3/2018	0	7.93	11.5	673	-131
8/10/2018	4	7.24	16.4	706	-130
11/8/2018	0	7.2	8.1	632	-7
MW-9					
12/30/2015	--	--	--	--	--
3/28/2016	3	7.46	10	573	-16
7/15/2016	--	--	--	--	--
10/17/2016	2	7.41	16.6	441	1
3/31/2017	2	7.82	9.8	438	-102
6/23/2017	3	7.92	11.4	436	*
9/29/2017	3	7.29	15.69	428	-77
12/6/2017	1	7.98	6.3	466	-71
5/3/2018	1	7.89	12	775	-109
8/10/2018	2	7.53	17.1	314	119
11/8/2018	1	7.07	8.2	189.3	-150

Well	DO	pH	Temp	Conductivity	ORP
MW-12B					
12/30/2015	<1	7.02	8	4870	-337
3/28/2016	2	7.3	10.1	4360	30
7/15/2016	1	7.57	12.8	3900	80
10/17/2016	2	7.32	13.9	2780	38
3/31/2017	4	7.64	8.3	2320	106
6/23/2017	1	6.71	11.8	2440	*
9/29/2017	1	6.83	11.3	2600	-54
12/6/2017	1	7.11	6.8	2500	-51
5/3/2018	2	7.38	11.6	2190	-106
8/10/2018	2	7.44	13.3	1983	-85
11/8/2018	1	7.2	6	2160	135
MW-13A					
12/30/2015	3	7.62	7.3	713	156
3/28/2016	2	7.86	7.7	677	37
7/15/2016	2	8.26	14.1	709	-4
10/17/2016	2	7.49	16.9	602	13
3/31/2017	2	7.92	7.4	525	-94
6/23/2017	3	7.81	12.5	648	*
9/29/2017	4	7.78	14.4	651	-79
12/6/2017	2	7.82	5.1	536	-53
5/3/2018	3	7.9	8.7	584	-134
8/10/2018	3	7.26	18.3	596	104
11/8/2018	3	7.18	6.8	576	116
MW-13B					
12/30/2015	0	7.35	7.6	1052	-253
3/28/2016	0	7.73	9.7	994	40
7/15/2016	2	7.79	13.5	1083	4
10/17/2016	4	7.27	13.3	906	7
3/31/2017	<1	7.67	9.6	780	-88
6/23/2017	1	7.74	12.2	809	*
9/29/2017	0	7.64	12.1	861	-49
12/6/2017	1	7.89	6.8	883	-43
5/3/2018	1	7.89	11.5	831	-99
8/10/2018	2	7.35	15.7	775	96
11/8/2018	1	6.58	6.6	828	124
MW-14					
12/30/2015	1	7.46	8.6	1989	67
3/28/2016	0	7.13	9.9	3430	76
7/15/2016	5	7.36	13.7	3340	-31
10/17/2016	0	6.68	16.5	2980	55
3/31/2017	0	7.36	8.2	3290	-46
6/23/2017	2	6.78	12.7	2710	*
9/29/2017	<<1	6.97	13.9	2880	-46
12/6/2017	0	7.1	7.3	2920	-60
5/3/2018	0	7.07	9.4	3220	-114
8/10/2018	3	6.97	17.6	3270	-84
11/8/2018	<1	7.59	9	2380	-161
PZ-1					
12/30/2015	<1	7.55	8.9	1326	135
3/28/2016	<<1	7.35	10.5	1310	-54
7/15/2016	2	7.45	12.6	1217	-27
10/17/2016	abandoned due to excavation (water line)				
PZ-2					
12/30/2015	--	--	--	--	--
3/28/2016	3	7.75	11.3	618	-18
7/15/2016	--	--	--	--	--
10/17/2016	4	7.32	15.4	639	-31
3/31/2017	<1	7.82	11.6	563	103
6/23/2017	2	7.53	11.7	620	*
9/29/2017	2	NM	NM	NM	NM
12/6/2017	1	7.37	6.1	664	-53
5/3/2018	3	7.84	13.7	602	-98
8/10/2018	1	7.61	13.9	653	-80
11/8/2018	2	7.16	6.2	334	-152

Table 4: Hydraulic Conductivity Testing

Bob's Auto (former)
Tony, Wisconsin
Meridian No. 05F660

Slug Tests Completed 10/15/18

Well	Hydraulic Conductivity	
	cm/sec	ft/yr
MW-1	1.5×10^{-4}	155
MW-8	1.2×10^{-4}	124
MW-13A	9.3×10^{-4}	962
MW-13B	1.9×10^{-3}	1966
MW-14	5.6×10^{-5}	58

FIGURES

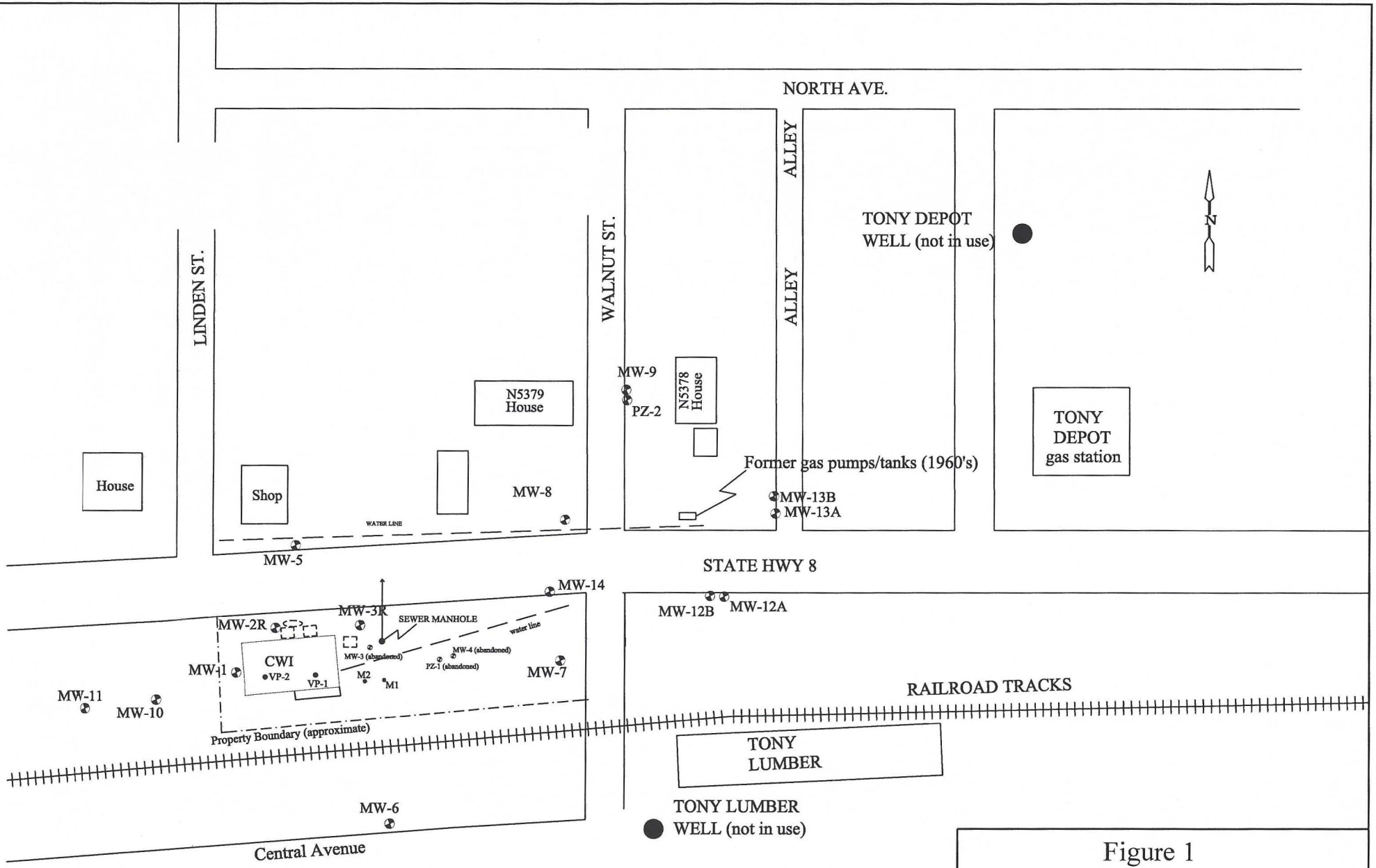


Figure 1
Site Map
Bob's Auto (former)
Tony, Wisconsin

PROJECT NO.	PREPARED BY
05F660	KAS
DATE	REVIEWED BY
2/28/19	KAS

Meridian Environmental Consulting, LLC

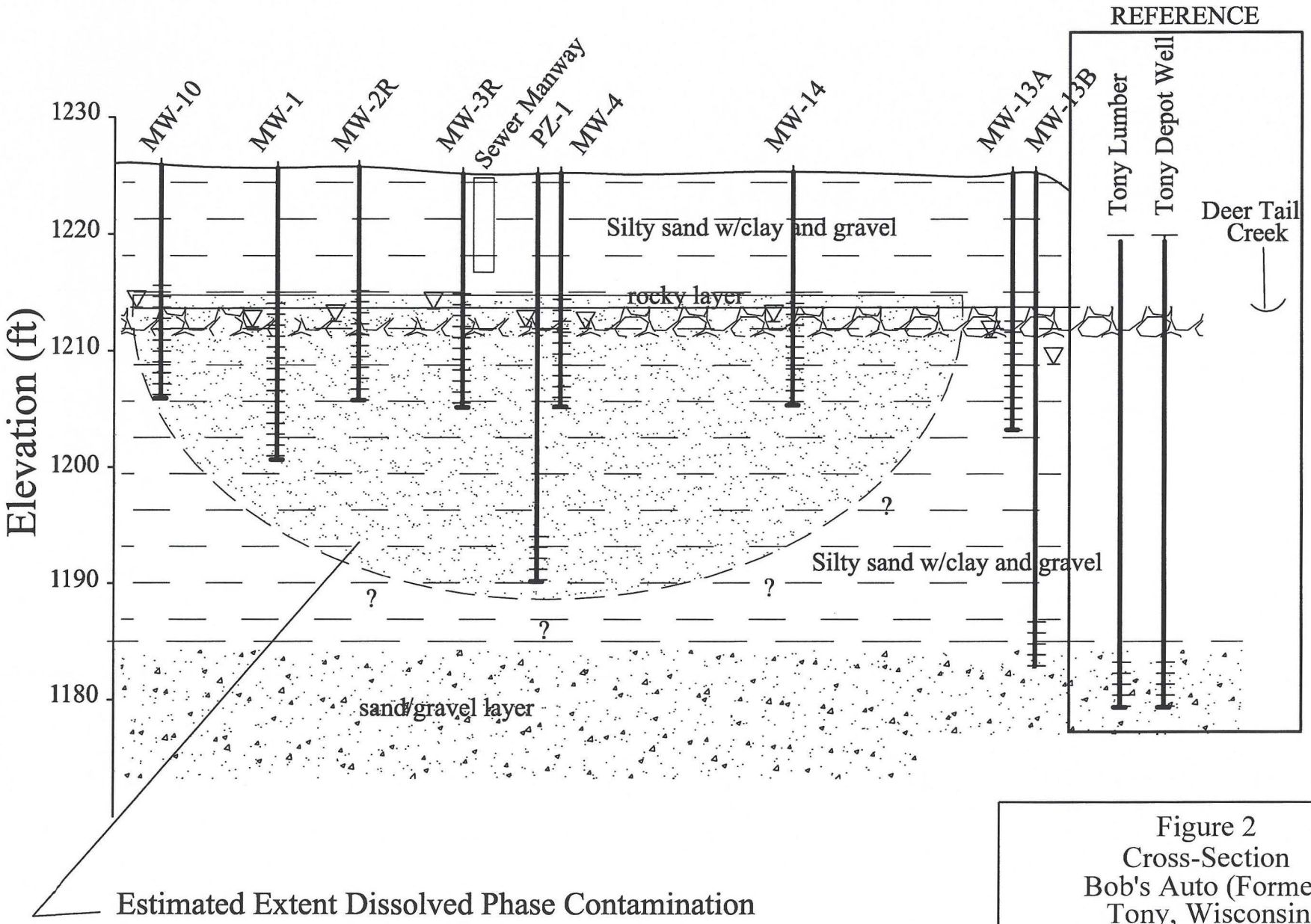


Figure 2
Cross-Section
Bob's Auto (Former)
Tony, Wisconsin

PROJECT NO.	PREPARED BY
05F660	RSK
DATE	REVIEWED BY
3/8/19	KAS

Meridian Environmental Consulting, LLC

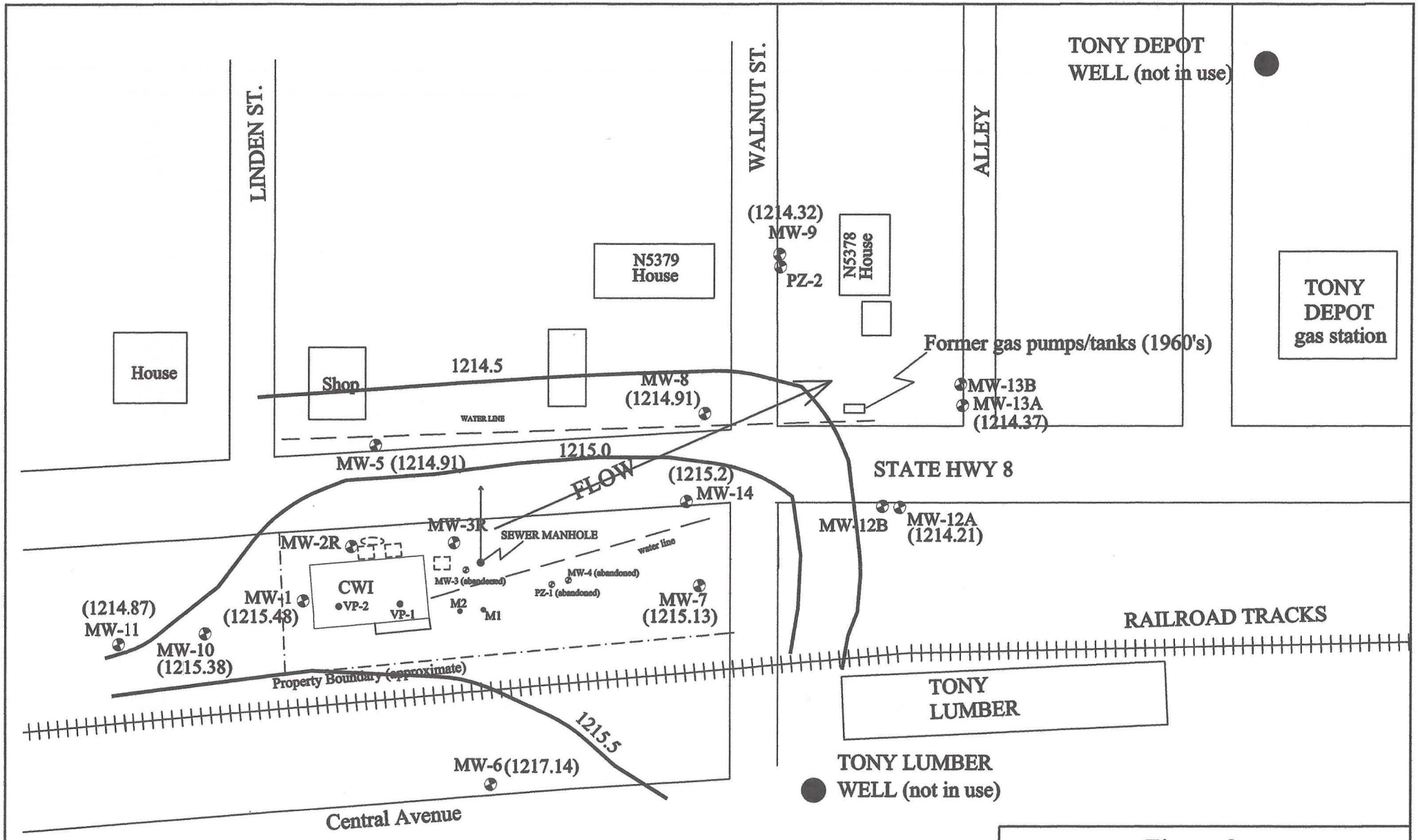


Figure 3

Ground Water Table Contour Map (11-8-18)

Bob's Auto (former)

Tony, Wisconsin

PROJECT NO.	PREPARED BY
05F660	KAS
DATE	REVIEWED BY
2/28/19	KAS

Meridian Environmental Consulting, LLC

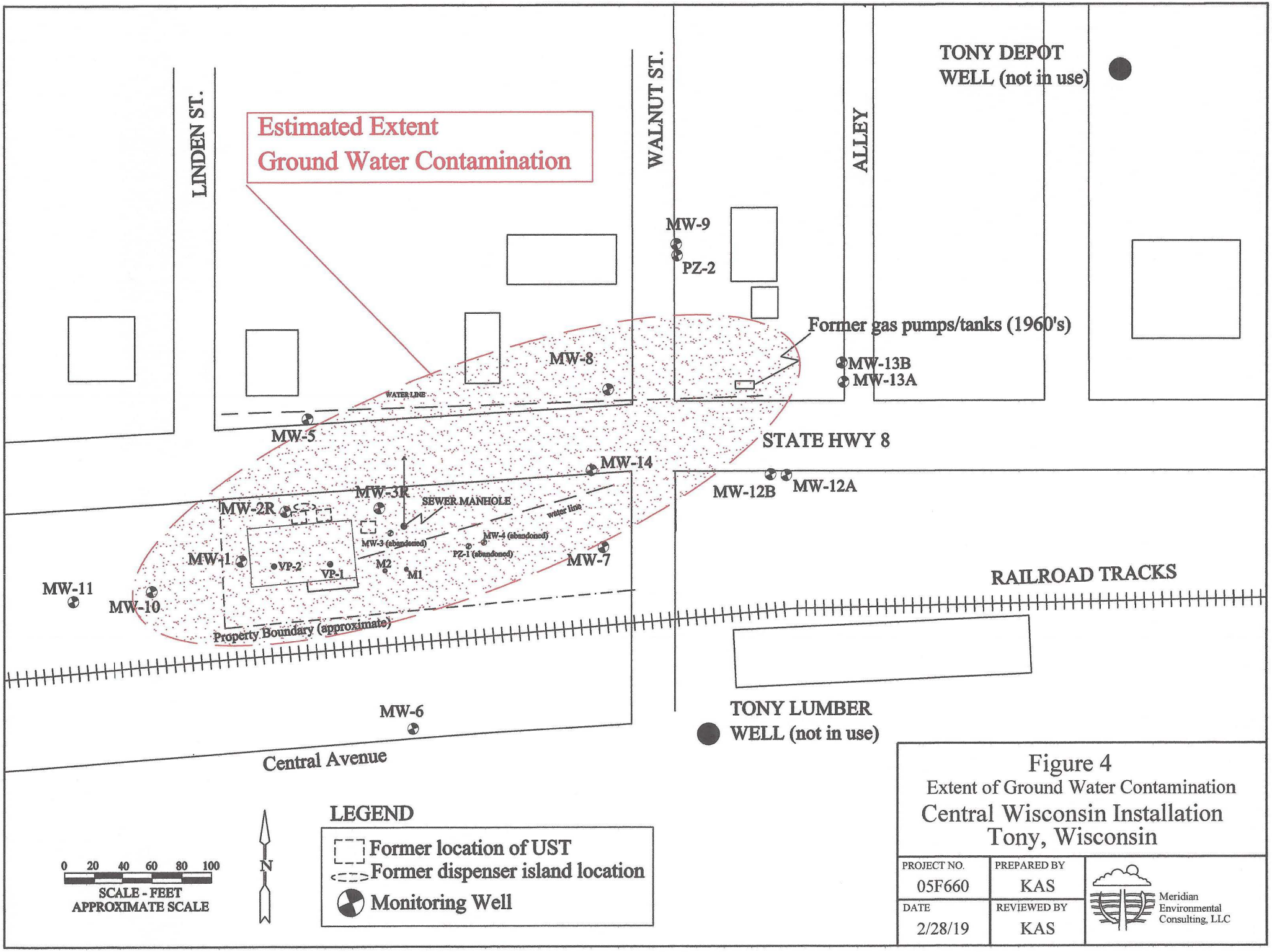
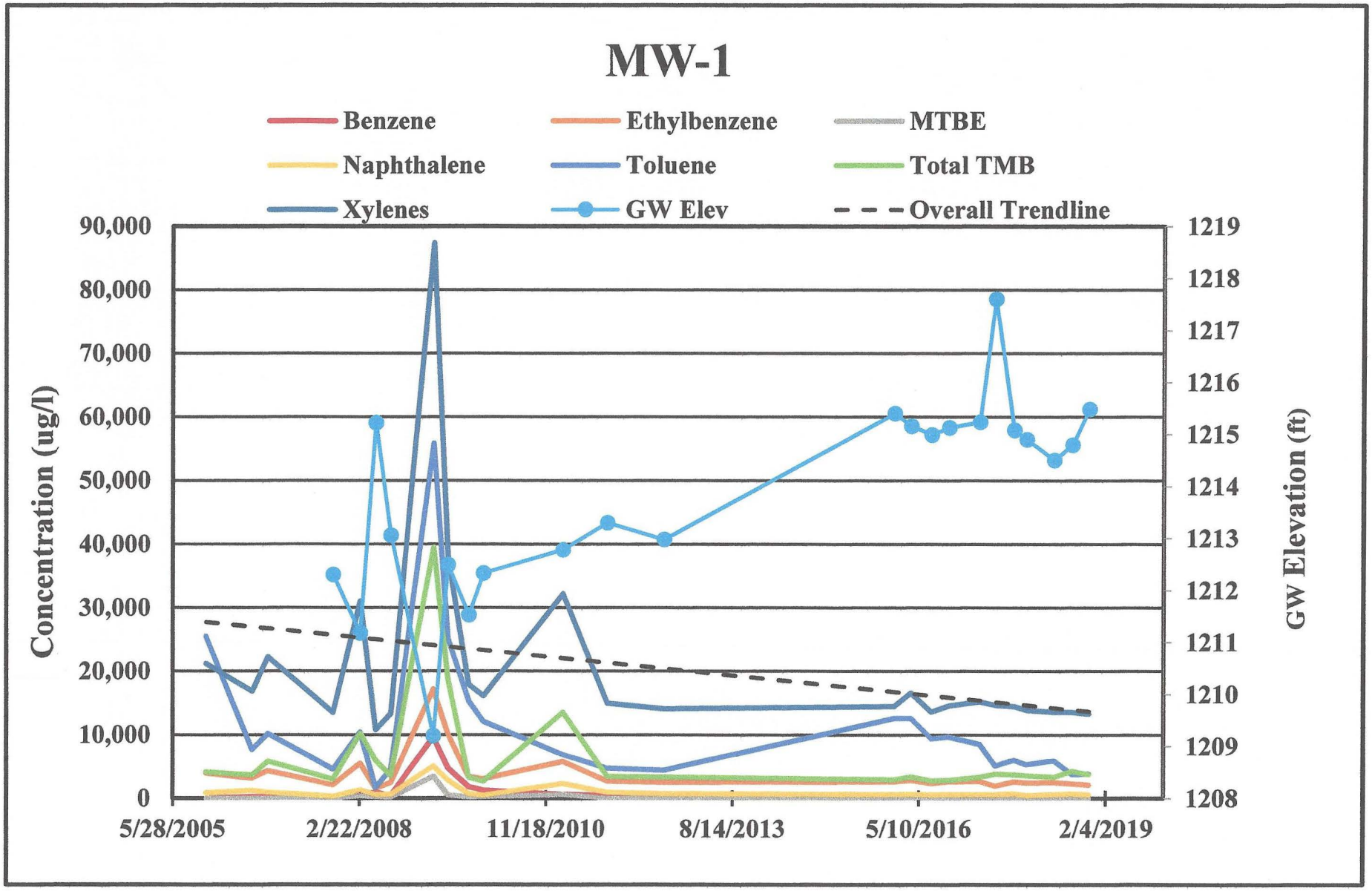


Figure 4
Extent of Ground Water Contamination
Central Wisconsin Installation
Tony, Wisconsin

PROJECT NO.	PREPARED BY
05F660	KAS
DATE	REVIEWED BY
2/28/19	KAS

Meridian Environmental Consulting, LLC


MW-1
Benzene
Ethylbenzene
MTBE
Naphthalene
Toluene
Total TMB
Xylenes
GW Elev
Overall Trendline
Concentration (ug/l)
GW Elevation (ft)
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
1219
1218
1217
1216
1215
1214
1213
1212
1211
1210
1209
1208
5/28/2005
2/22/2008
11/18/2010
8/14/2013
5/10/2016
2/4/2019

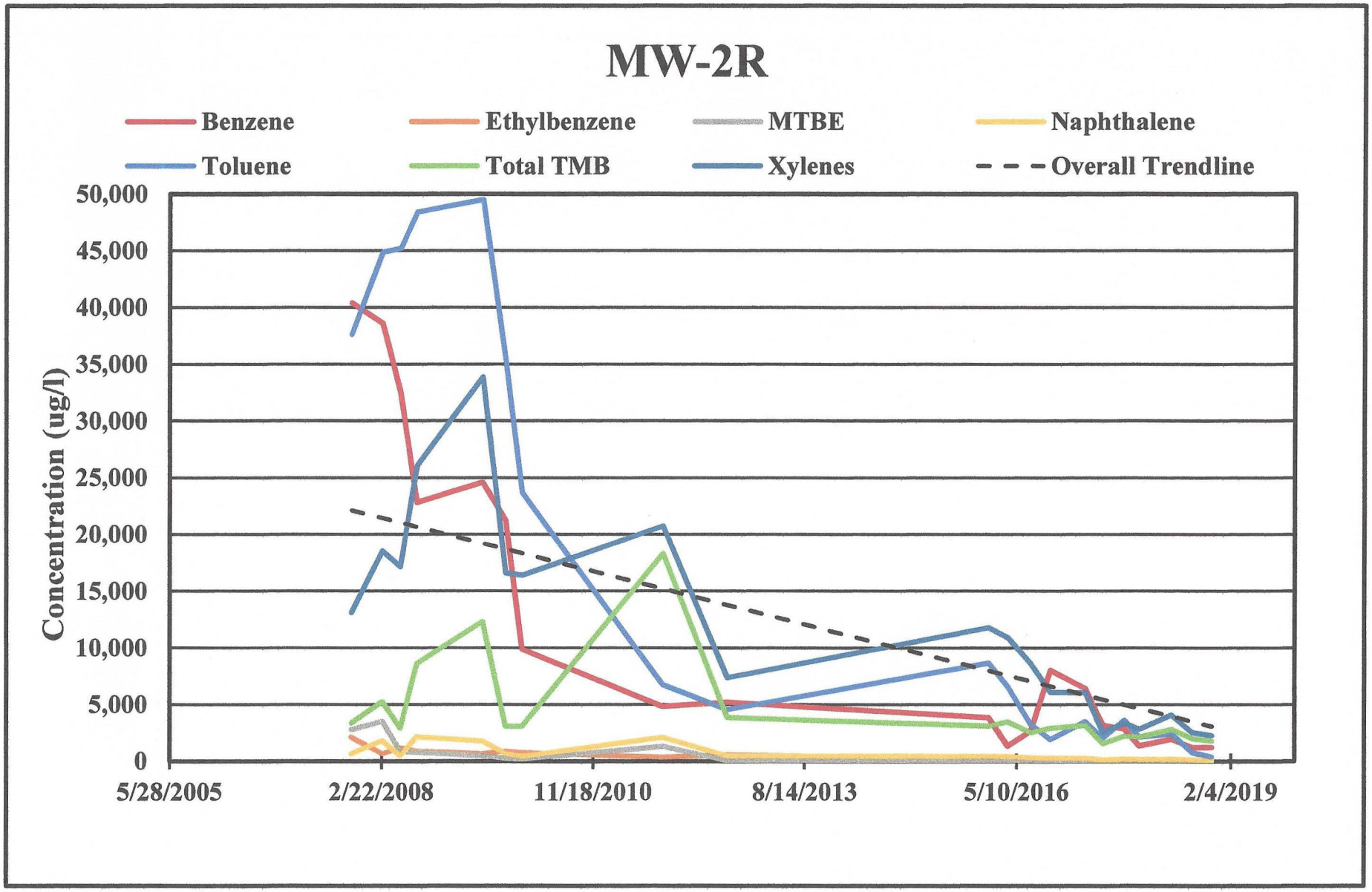

MW-2R
Benzene
Ethylbenzene
MTBE
Naphthalene
Toluene
Total TMB
Xylenes
Overall Trendline
Concentration (ug/l)
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
5/28/2005
2/22/2008
11/18/2010
8/14/2013
5/10/2016
2/4/2019

Figure 5: Ground Water Concentrations over Time

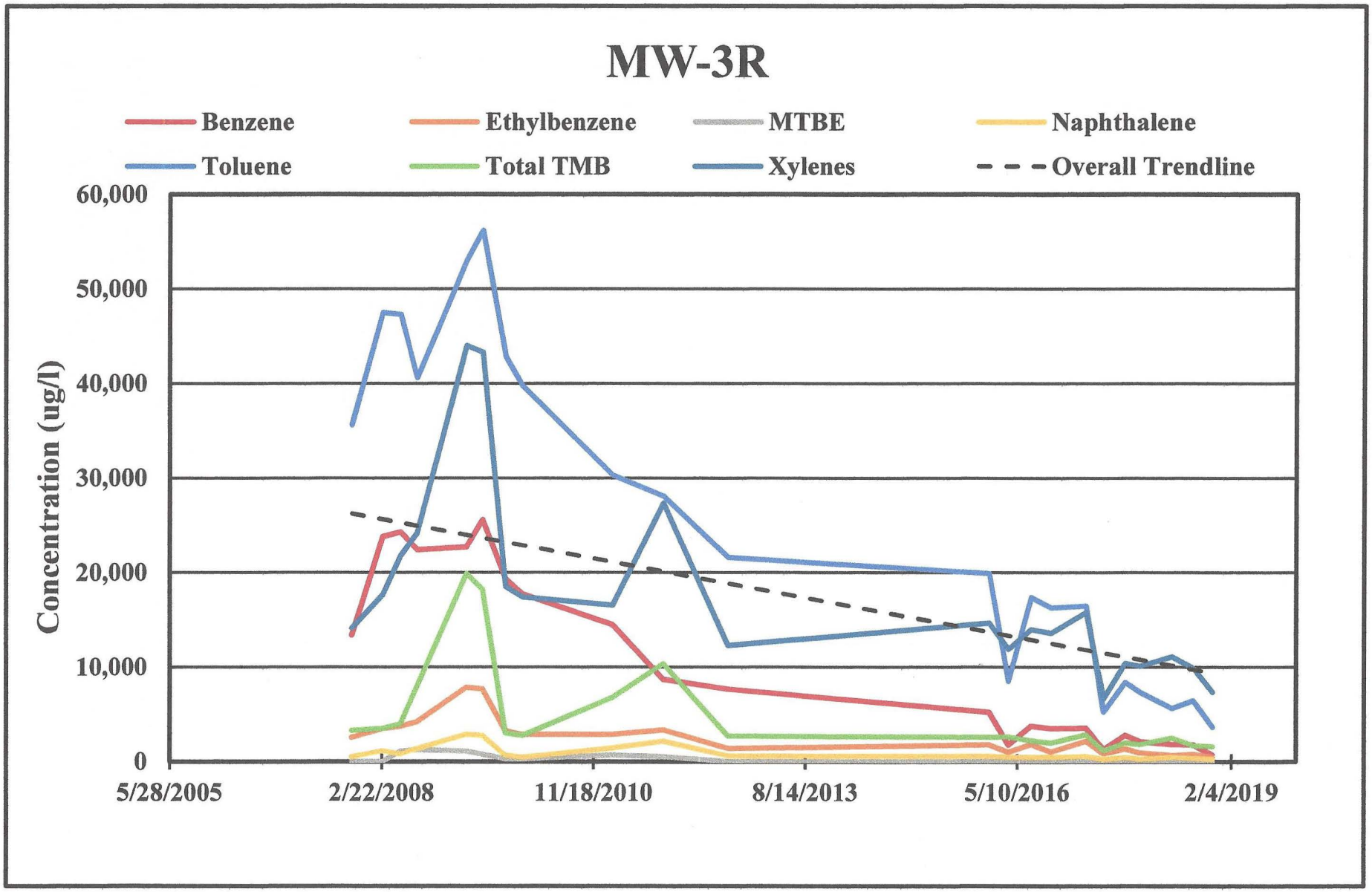
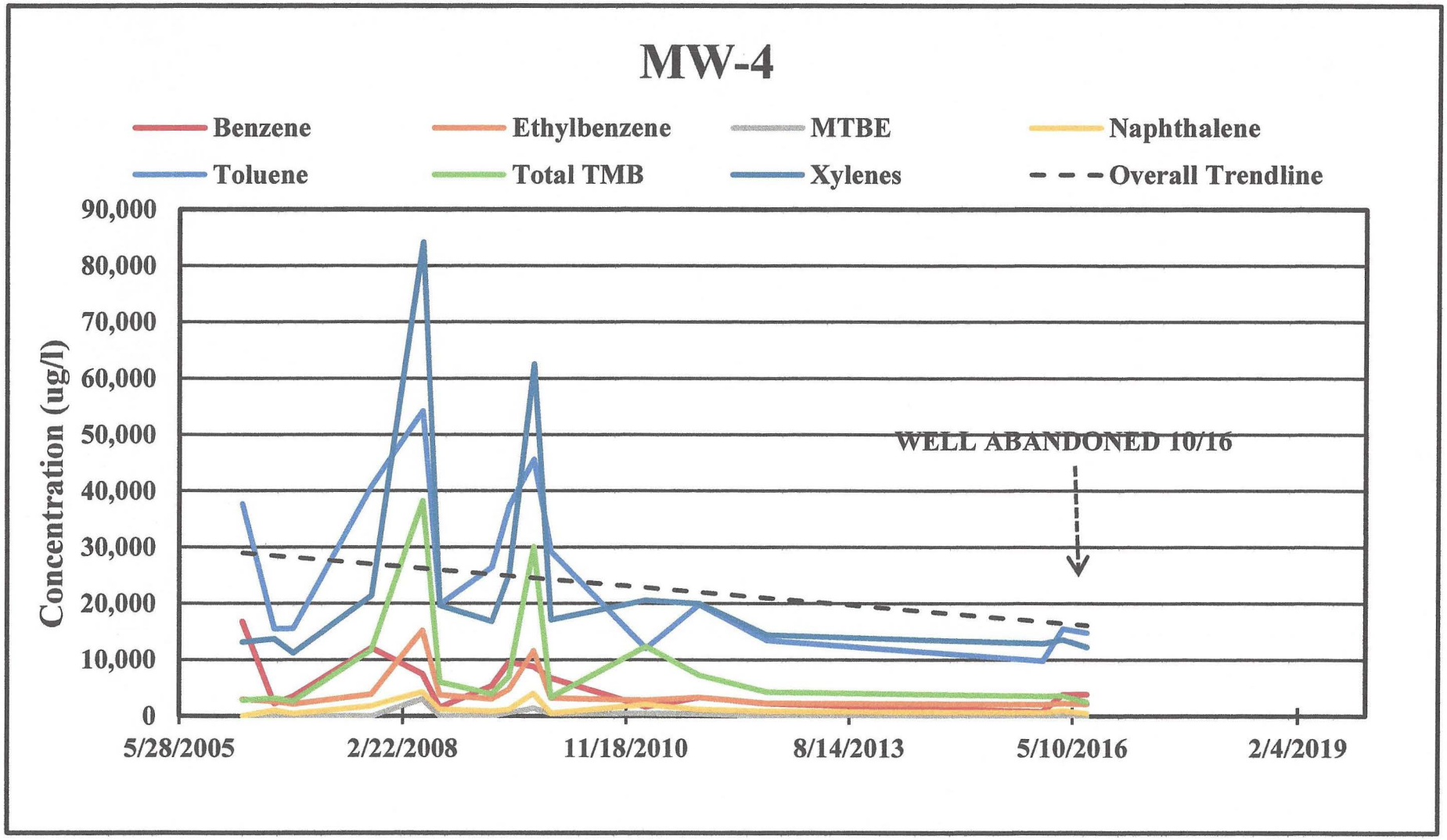
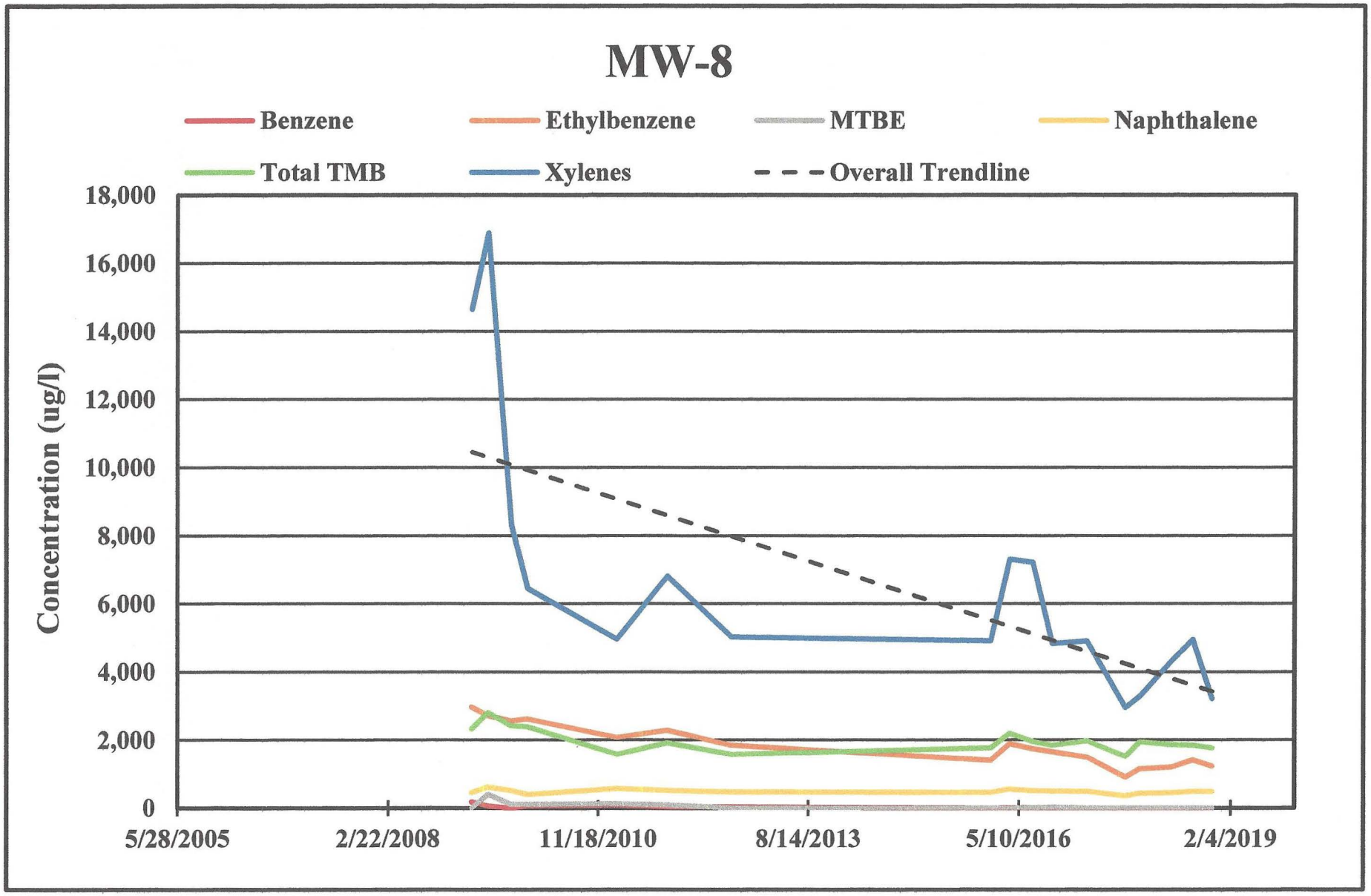
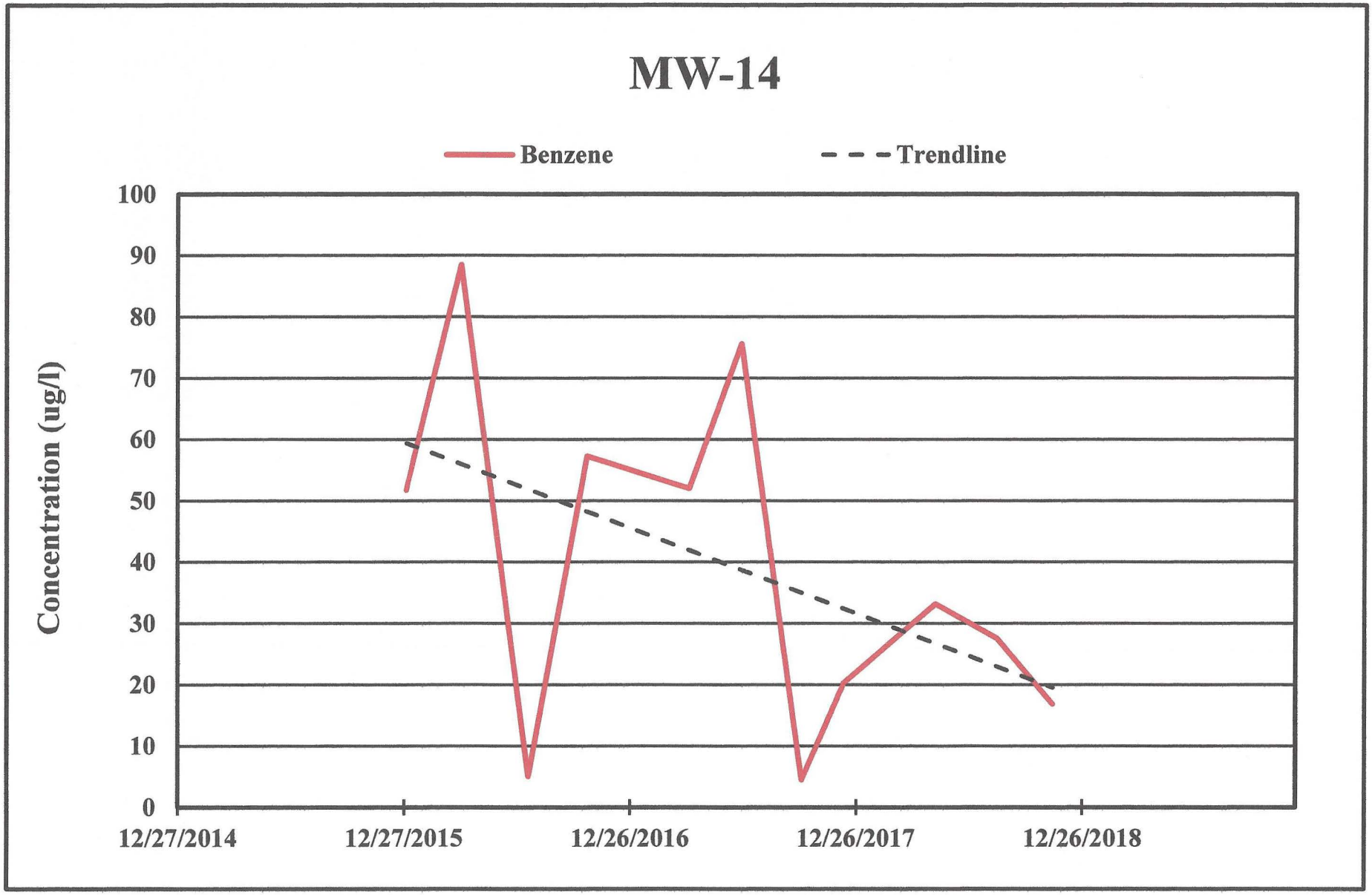


Figure 5: Ground Water Concentrations over Time




MW-8
Benzene
Ethylbenzene
MTBE
Naphthalene
Total TMB
Xylenes
Overall Trendline
Concentration (ug/l)
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
5/28/2005
2/22/2008
11/18/2010
8/14/2013
5/10/2016
2/4/2019


MW-14
Benzene
Trendline
Concentration (ug/l)
100
90
80
70
60
50
40
30
20
10
0
12/27/2014
12/27/2015
12/26/2016
12/26/2017
12/26/2018

APPENDIX A

Analytical Reports

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

May 14, 2018

Kenneth Shimko
Meridian Environmental Consulting, LLC
2711 North Elco Rd
Fall Creek, WI 54742

RE: Project: BOB'S AUTO
Pace Project No.: 40168699

Dear Kenneth Shimko:
Enclosed are the analytical results for sample(s) received by the laboratory on May 08, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

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

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: BOB'S AUTO
Pace Project No.: 40168699

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: BOB'S AUTO
Pace Project No.: 40168699

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40168699001	**MW-1**	Water	05/03/18 00:00	05/08/18 09:45
40168699002	**MW-2R**	Water	05/03/18 00:00	05/08/18 12:23
40168699003	**MW-3R**	Water	05/03/18 00:00	05/08/18 12:23
40168699004	**MW-5**	Water	05/03/18 00:00	05/08/18 12:23
40168699005	**MW-6**	Water	05/03/18 00:00	05/08/18 12:23
40168699006	**MW-7**	Water	05/03/18 00:00	05/08/18 12:23
40168699007	**MW-8**	Water	05/03/18 00:00	05/08/18 12:23
40168699008	**MW-9**	Water	05/03/18 00:00	05/08/18 12:23
40168699009	**MW-10**	Water	05/03/18 00:00	05/08/18 12:23
40168699010	**MW-11**	Water	05/03/18 00:00	05/08/18 12:23
40168699011	**MW-12A**	Water	05/03/18 00:00	05/08/18 12:23
40168699012	**MW-12B**	Water	05/03/18 00:00	05/08/18 12:23
40168699013	**MW-13A**	Water	05/03/18 00:00	05/08/18 12:23
40168699014	**MW-13B**	Water	05/03/18 00:00	05/08/18 12:23
40168699015	**MW-14**	Water	05/03/18 00:00	05/08/18 12:23
40168699016	**P-1**	Water	05/03/18 00:00	05/08/18 12:23
40168699017	**TONY DEPOT**	Water	05/03/18 00:00	05/08/18 12:23
40168699018	**TRIP BLANK**	Water	05/03/18 00:00	05/08/18 12:23

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SAMPLE ANALYTE COUNT

Project: BOB'S AUTO
Pace Project No.: 40168699

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40168699001	**MW-1**	WI MOD GRO	ALD	9	PASI-G
40168699002	**MW-2R**	WI MOD GRO	ALD	9	PASI-G
40168699003	**MW-3R**	WI MOD GRO	ALD	9	PASI-G
40168699004	**MW-5**	WI MOD GRO	ALD	9	PASI-G
40168699005	**MW-6**	WI MOD GRO	ALD	9	PASI-G
40168699006	**MW-7**	WI MOD GRO	ALD	9	PASI-G
40168699007	**MW-8**	WI MOD GRO	ALD	9	PASI-G
40168699008	**MW-9**	WI MOD GRO	ALD	9	PASI-G
40168699009	**MW-10**	WI MOD GRO	ALD	9	PASI-G
40168699010	**MW-11**	WI MOD GRO	ALD	9	PASI-G
40168699011	**MW-12A**	WI MOD GRO	ALD	9	PASI-G
40168699012	**MW-12B**	WI MOD GRO	ALD	9	PASI-G
40168699013	**MW-13A**	WI MOD GRO	ALD	9	PASI-G
40168699014	**MW-13B**	WI MOD GRO	ALD	9	PASI-G
40168699015	**MW-14**	WI MOD GRO	ALD	9	PASI-G
40168699016	**P-1**	WI MOD GRO	ALD	9	PASI-G
40168699017	**TONY DEPOT**	WI MOD GRO	ALD	9	PASI-G
40168699018	**TRIP BLANK**	WI MOD GRO	ALD	9	PASI-G

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PROJECT NARRATIVE

Project: BOB'S AUTO
Pace Project No.: 40168699

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: Meridian Environmental Consulting, LLC
Date: May 14, 2018

General Information:
18 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 288548

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40168822003

R1: RPD value was outside control limits.

- MSD (Lab ID: 1689164)
  - 1,2,4-Trimethylbenzene

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: BOB'S AUTO
Pace Project No.: 40168699

Sample: MW-1 **Lab ID: 40168699001** Collected: 05/03/18 00:00 Received: 05/08/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**153**	ug/L	102	30.6	100		05/09/18 18:15	71-43-2	
Ethylbenzene	**2490**	ug/L	110	32.9	100		05/09/18 18:15	100-41-4	
Methyl-tert-butyl ether	**<32.0**	ug/L	107	32.0	100		05/09/18 18:15	1634-04-4	
Naphthalene	**642**	ug/L	168	50.6	100		05/09/18 18:15	91-20-3	
Toluene	**5950**	ug/L	163	48.9	100		05/09/18 18:15	108-88-3	
1,2,4-Trimethylbenzene	**2630**	ug/L	114	34.2	100		05/09/18 18:15	95-63-6	
1,3,5-Trimethylbenzene	**747**	ug/L	109	32.8	100		05/09/18 18:15	108-67-8	
Xylene (Total)	**13600**	ug/L	323	97.0	100		05/09/18 18:15	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		100		05/09/18 18:15	98-08-8	

Sample: MW-2R **Lab ID: 40168699002** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1950**	ug/L	40.8	12.2	40		05/09/18 19:07	71-43-2	
Ethylbenzene	**288**	ug/L	44.0	13.2	40		05/09/18 19:07	100-41-4	
Methyl-tert-butyl ether	**<12.8**	ug/L	42.8	12.8	40		05/09/18 19:07	1634-04-4	
Naphthalene	**209**	ug/L	67.2	20.2	40		05/09/18 19:07	91-20-3	
Toluene	**2430**	ug/L	65.2	19.6	40		05/09/18 19:07	108-88-3	
1,2,4-Trimethylbenzene	**1910**	ug/L	45.6	13.7	40		05/09/18 19:07	95-63-6	
1,3,5-Trimethylbenzene	**896**	ug/L	43.6	13.1	40		05/09/18 19:07	108-67-8	
Xylene (Total)	**4100**	ug/L	129	38.8	40		05/09/18 19:07	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		40		05/09/18 19:07	98-08-8	

Sample: MW-3R **Lab ID: 40168699003** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1850**	ug/L	102	30.6	100		05/09/18 18:41	71-43-2	
Ethylbenzene	**694**	ug/L	110	32.9	100		05/09/18 18:41	100-41-4	
Methyl-tert-butyl ether	**<32.0**	ug/L	107	32.0	100		05/09/18 18:41	1634-04-4	
Naphthalene	**479**	ug/L	168	50.6	100		05/09/18 18:41	91-20-3	
Toluene	**5640**	ug/L	163	48.9	100		05/09/18 18:41	108-88-3	
1,2,4-Trimethylbenzene	**1950**	ug/L	114	34.2	100		05/09/18 18:41	95-63-6	
1,3,5-Trimethylbenzene	**576**	ug/L	109	32.8	100		05/09/18 18:41	108-67-8	
Xylene (Total)	**11100**	ug/L	323	97.0	100		05/09/18 18:41	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		100		05/09/18 18:41	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: BOB'S AUTO
Pace Project No.: 40168699

Sample: MW-5 **Lab ID: 40168699004** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		05/09/18 15:42	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/09/18 15:42	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		05/09/18 15:42	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		05/09/18 15:42	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		05/09/18 15:42	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		05/09/18 15:42	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/09/18 15:42	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		05/09/18 15:42	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		05/09/18 15:42	98-08-8	

Sample: MW-6 **Lab ID: 40168699005** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		05/09/18 16:08	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/09/18 16:08	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		05/09/18 16:08	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		05/09/18 16:08	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		05/09/18 16:08	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		05/09/18 16:08	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/09/18 16:08	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		05/09/18 16:08	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1		05/09/18 16:08	98-08-8	HS

Sample: MW-7 **Lab ID: 40168699006** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		05/09/18 21:40	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/09/18 21:40	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		05/09/18 21:40	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		05/09/18 21:40	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		05/09/18 21:40	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		05/09/18 21:40	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/09/18 21:40	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		05/09/18 21:40	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1		05/09/18 21:40	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: BOB'S AUTO
Pace Project No.: 40168699

Sample: MW-8 **Lab ID: 40168699007** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**7.0J**	ug/L	20.4	6.1	20		05/09/18 19:32	71-43-2	
Ethylbenzene	**1200**	ug/L	22.0	6.6	20		05/09/18 19:32	100-41-4	
Methyl-tert-butyl ether	**10.8J**	ug/L	21.4	6.4	20		05/09/18 19:32	1634-04-4	
Naphthalene	**444**	ug/L	33.6	10.1	20		05/09/18 19:32	91-20-3	
Toluene	**58.4**	ug/L	32.6	9.8	20		05/09/18 19:32	108-88-3	
1,2,4-Trimethylbenzene	**1490**	ug/L	22.8	6.8	20		05/09/18 19:32	95-63-6	
1,3,5-Trimethylbenzene	**372**	ug/L	21.8	6.6	20		05/09/18 19:32	108-67-8	
Xylene (Total)	**4310**	ug/L	64.6	19.4	20		05/09/18 19:32	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		20		05/09/18 19:32	98-08-8	

Sample: MW-9 **Lab ID: 40168699008** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		05/10/18 11:05	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/10/18 11:05	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		05/10/18 11:05	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		05/10/18 11:05	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		05/10/18 11:05	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		05/10/18 11:05	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/10/18 11:05	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		05/10/18 11:05	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		05/10/18 11:05	98-08-8	

Sample: MW-10 **Lab ID: 40168699009** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1.8**	ug/L	1.0	0.31	1		05/10/18 17:02	71-43-2	
Ethylbenzene	**73.2**	ug/L	1.1	0.33	1		05/10/18 17:02	100-41-4	
Methyl-tert-butyl ether	**7.8**	ug/L	1.1	0.32	1		05/10/18 17:02	1634-04-4	
Naphthalene	**41.2**	ug/L	1.7	0.51	1		05/10/18 17:02	91-20-3	
Toluene	**9.2**	ug/L	1.6	0.49	1		05/10/18 17:02	108-88-3	
1,2,4-Trimethylbenzene	**413**	ug/L	1.1	0.34	1		05/10/18 17:02	95-63-6	
1,3,5-Trimethylbenzene	**123**	ug/L	1.1	0.33	1		05/10/18 17:02	108-67-8	
Xylene (Total)	**282**	ug/L	3.2	0.97	1		05/10/18 17:02	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	93	%	80-120		1		05/10/18 17:02	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: BOB'S AUTO
Pace Project No.: 40168699

Sample: MW-11 **Lab ID: 40168699010** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		05/10/18 11:30	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/10/18 11:30	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		05/10/18 11:30	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		05/10/18 11:30	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		05/10/18 11:30	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		05/10/18 11:30	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/10/18 11:30	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		05/10/18 11:30	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		05/10/18 11:30	98-08-8	

Sample: MW-12A **Lab ID: 40168699011** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		05/10/18 18:44	71-43-2	
Ethylbenzene	**3.7**	ug/L	1.1	0.33	1		05/10/18 18:44	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		05/10/18 18:44	1634-04-4	
Naphthalene	**0.61J**	ug/L	1.7	0.51	1		05/10/18 18:44	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		05/10/18 18:44	108-88-3	
1,2,4-Trimethylbenzene	**1.2**	ug/L	1.1	0.34	1		05/10/18 18:44	95-63-6	
1,3,5-Trimethylbenzene	**2.4**	ug/L	1.1	0.33	1		05/10/18 18:44	108-67-8	
Xylene (Total)	**4.6**	ug/L	3.2	0.97	1		05/10/18 18:44	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	110	%	80-120		1		05/10/18 18:44	98-08-8	

Sample: MW-12B **Lab ID: 40168699012** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		05/10/18 19:10	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/10/18 19:10	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		05/10/18 19:10	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		05/10/18 19:10	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		05/10/18 19:10	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		05/10/18 19:10	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/10/18 19:10	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		05/10/18 19:10	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		05/10/18 19:10	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: BOB'S AUTO
Pace Project No.: 40168699

Sample: MW-13A **Lab ID: 40168699013** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		05/10/18 19:36	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/10/18 19:36	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		05/10/18 19:36	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		05/10/18 19:36	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		05/10/18 19:36	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		05/10/18 19:36	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/10/18 19:36	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		05/10/18 19:36	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		05/10/18 19:36	98-08-8	

Sample: MW-13B **Lab ID: 40168699014** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		05/10/18 20:01	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/10/18 20:01	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		05/10/18 20:01	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		05/10/18 20:01	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		05/10/18 20:01	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		05/10/18 20:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/10/18 20:01	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		05/10/18 20:01	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		05/10/18 20:01	98-08-8	

Sample: MW-14 **Lab ID: 40168699015** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**33.2**	ug/L	1.0	0.31	1		05/11/18 12:18	71-43-2	
Ethylbenzene	**26.1**	ug/L	1.1	0.33	1		05/11/18 12:18	100-41-4	
Methyl-tert-butyl ether	**8.0**	ug/L	1.1	0.32	1		05/11/18 12:18	1634-04-4	
Naphthalene	**5.3**	ug/L	1.7	0.51	1		05/11/18 12:18	91-20-3	
Toluene	**3.9**	ug/L	1.6	0.49	1		05/11/18 12:18	108-88-3	
1,2,4-Trimethylbenzene	**21.8**	ug/L	1.1	0.34	1		05/11/18 12:18	95-63-6	
1,3,5-Trimethylbenzene	**2.5**	ug/L	1.1	0.33	1		05/11/18 12:18	108-67-8	
Xylene (Total)	**29.6**	ug/L	3.2	0.97	1		05/11/18 12:18	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%	80-120		1		05/11/18 12:18	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: BOB'S AUTO
Pace Project No.: 40168699

Sample: P-1 **Lab ID: 40168699016** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		05/10/18 20:27	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/10/18 20:27	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		05/10/18 20:27	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		05/10/18 20:27	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		05/10/18 20:27	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		05/10/18 20:27	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/10/18 20:27	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		05/10/18 20:27	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		05/10/18 20:27	98-08-8	

Sample: TONY DEPOT **Lab ID: 40168699017** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		05/10/18 20:52	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/10/18 20:52	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		05/10/18 20:52	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		05/10/18 20:52	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		05/10/18 20:52	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		05/10/18 20:52	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/10/18 20:52	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		05/10/18 20:52	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		05/10/18 20:52	98-08-8	

Sample: TRIP BLANK **Lab ID: 40168699018** Collected: 05/03/18 00:00 Received: 05/08/18 12:23 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		05/11/18 17:25	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/11/18 17:25	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		05/11/18 17:25	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		05/11/18 17:25	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		05/11/18 17:25	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		05/11/18 17:25	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		05/11/18 17:25	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		05/11/18 17:25	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1		05/11/18 17:25	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: BOB'S AUTO
Pace Project No.: 40168699

QC Batch: 288256 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40168699001, 40168699002, 40168699003, 40168699004, 40168699005, 40168699006, 40168699007

METHOD BLANK: 1686609 Matrix: Water
Associated Lab Samples: 40168699001, 40168699002, 40168699003, 40168699004, 40168699005, 40168699006, 40168699007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.34	1.1	05/09/18 08:50	
1,3,5-Trimethylbenzene	ug/L	<0.33	1.1	05/09/18 08:50	
Benzene	ug/L	<0.31	1.0	05/09/18 08:50	
Ethylbenzene	ug/L	<0.33	1.1	05/09/18 08:50	
Methyl-tert-butyl ether	ug/L	<0.32	1.1	05/09/18 08:50	
Naphthalene	ug/L	<0.51	1.7	05/09/18 08:50	
Toluene	ug/L	<0.49	1.6	05/09/18 08:50	
Xylene (Total)	ug/L	<0.97	3.2	05/09/18 08:50	
a,a,a-Trifluorotoluene (S)	%	98	80-120	05/09/18 08:50	

LABORATORY CONTROL SAMPLE & LCSD: 1686610 1686611

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.7	21.2	104	106	80-120	2	20	
1,3,5-Trimethylbenzene	ug/L	20	20.1	20.5	101	103	80-120	2	20	
Benzene	ug/L	20	20.1	20.1	101	101	80-120	0	20	
Ethylbenzene	ug/L	20	20.7	20.9	103	104	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	19.0	18.9	95	94	80-120	1	20	
Naphthalene	ug/L	20	20.2	21.2	101	106	80-120	5	20	
Toluene	ug/L	20	20.3	20.4	102	102	80-120	0	20	
Xylene (Total)	ug/L	60	60.9	61.9	102	103	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				100	100	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1686753 1686754

Parameter	Units	40168699007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	1490	400	400	2030	2040	134	137	11-200	1	20	
1,3,5-Trimethylbenzene	ug/L	372	400	400	797	801	106	107	54-142	1	20	
Benzene	ug/L	7.0J	400	400	394	387	97	95	66-140	2	20	
Ethylbenzene	ug/L	1200	400	400	1700	1700	125	124	66-143	0	20	
Methyl-tert-butyl ether	ug/L	10.8J	400	400	388	392	94	95	70-129	1	20	
Naphthalene	ug/L	444	400	400	853	898	102	113	64-129	5	20	
Toluene	ug/L	58.4	400	400	461	447	101	97	76-130	3	20	
Xylene (Total)	ug/L	4310	1200	1200	5810	5830	125	127	60-140	0	20	
a,a,a-Trifluorotoluene (S)	%						100	100	80-120			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: BOB'S AUTO
Pace Project No.: 40168699

QC Batch: 288404 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40168699008, 40168699009, 40168699010, 40168699011, 40168699012, 40168699013, 40168699014, 40168699015, 40168699016, 40168699017

METHOD BLANK: 1687860 Matrix: Water
Associated Lab Samples: 40168699008, 40168699009, 40168699010, 40168699011, 40168699012, 40168699013, 40168699014, 40168699015, 40168699016, 40168699017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.34	1.1	05/10/18 09:22	
1,3,5-Trimethylbenzene	ug/L	<0.33	1.1	05/10/18 09:22	
Benzene	ug/L	<0.31	1.0	05/10/18 09:22	
Ethylbenzene	ug/L	<0.33	1.1	05/10/18 09:22	
Methyl-tert-butyl ether	ug/L	<0.32	1.1	05/10/18 09:22	
Naphthalene	ug/L	<0.51	1.7	05/10/18 09:22	
Toluene	ug/L	<0.49	1.6	05/10/18 09:22	
Xylene (Total)	ug/L	<0.97	3.2	05/10/18 09:22	
a,a,a-Trifluorotoluene (S)	%	99	80-120	05/10/18 09:22	

LABORATORY CONTROL SAMPLE & LCSD: 1687861 1687862

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.9	21.2	104	106	80-120	2	20	
1,3,5-Trimethylbenzene	ug/L	20	20.2	20.6	101	103	80-120	2	20	
Benzene	ug/L	20	20.3	20.5	101	103	80-120	1	20	
Ethylbenzene	ug/L	20	20.7	21.1	104	105	80-120	2	20	
Methyl-tert-butyl ether	ug/L	20	19.5	19.1	98	95	80-120	2	20	
Naphthalene	ug/L	20	21.0	21.0	105	105	80-120	0	20	
Toluene	ug/L	20	20.4	20.7	102	103	80-120	1	20	
Xylene (Total)	ug/L	60	61.2	62.5	102	104	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				100	100	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1688194 1688195

Parameter	Units	40168699008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	<0.34	20	20	19.2	19.9	96	99	11-200	3	20	
1,3,5-Trimethylbenzene	ug/L	<0.33	20	20	18.0	18.7	90	93	54-142	4	20	
Benzene	ug/L	<0.31	20	20	21.5	21.7	108	109	66-140	1	20	
Ethylbenzene	ug/L	<0.33	20	20	21.8	21.9	109	110	66-143	1	20	
Methyl-tert-butyl ether	ug/L	<0.32	20	20	20.1	19.8	101	99	70-129	2	20	
Naphthalene	ug/L	<0.51	20	20	21.8	21.4	109	107	64-129	2	20	
Toluene	ug/L	<0.49	20	20	21.4	21.6	107	108	76-130	1	20	
Xylene (Total)	ug/L	<0.97	60	60	62.3	63.1	104	105	60-140	1	20	
a,a,a-Trifluorotoluene (S)	%						101	100	80-120			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: BOB'S AUTO
Pace Project No.: 40168699

QC Batch: 288548
QC Batch Method: WI MOD GRO
Analysis Method: WI MOD GRO
Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40168699018

METHOD BLANK: 1688673 Matrix: Water
Associated Lab Samples: 40168699018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.34	1.1	05/11/18 09:45	
1,3,5-Trimethylbenzene	ug/L	<0.33	1.1	05/11/18 09:45	
Benzene	ug/L	<0.31	1.0	05/11/18 09:45	
Ethylbenzene	ug/L	<0.33	1.1	05/11/18 09:45	
Methyl-tert-butyl ether	ug/L	<0.32	1.1	05/11/18 09:45	
Naphthalene	ug/L	<0.51	1.7	05/11/18 09:45	
Toluene	ug/L	<0.49	1.6	05/11/18 09:45	
Xylene (Total)	ug/L	<0.97	3.2	05/11/18 09:45	
a,a,a-Trifluorotoluene (S)	%	98	80-120	05/11/18 09:45	

LABORATORY CONTROL SAMPLE & LCSD: 1688674 1688675

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.0	20.3	100	101	80-120	1	20	
1,3,5-Trimethylbenzene	ug/L	20	19.4	19.6	97	98	80-120	1	20	
Benzene	ug/L	20	19.6	19.5	98	97	80-120	1	20	
Ethylbenzene	ug/L	20	20.0	20.0	100	100	80-120	0	20	
Methyl-tert-butyl ether	ug/L	20	18.3	18.6	91	93	80-120	2	20	
Naphthalene	ug/L	20	18.9	20.2	94	101	80-120	7	20	
Toluene	ug/L	20	19.8	19.7	99	98	80-120	0	20	
Xylene (Total)	ug/L	60	59.0	59.2	98	99	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				98	100	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1689163 1689164

Parameter	Units	40168822003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	<0.34	20	20	18.5	14.1	93	70	11-200	27	20	R1
1,3,5-Trimethylbenzene	ug/L	<0.33	20	20	18.3	15.9	91	80	54-142	14	20	
Benzene	ug/L	<0.31	20	20	20.9	21.4	104	107	66-140	3	20	
Ethylbenzene	ug/L	<0.33	20	20	21.0	21.3	105	106	66-143	1	20	
Methyl-tert-butyl ether	ug/L	<0.32	20	20	19.2	20.1	96	101	70-129	5	20	
Naphthalene	ug/L	<0.51	20	20	19.4	20.8	97	104	64-129	7	20	
Toluene	ug/L	<0.49	20	20	20.9	21.2	105	106	76-130	1	20	
Xylene (Total)	ug/L	<0.97	60	60	60.8	59.5	101	99	60-140	2	20	
a,a,a-Trifluorotoluene (S)	%						100	99	80-120			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: BOB'S AUTO
Pace Project No.: 40168699

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOB'S AUTO
Pace Project No.: 40168699

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40168699001	**MW-1**	WI MOD GRO	288256		
40168699002	**MW-2R**	WI MOD GRO	288256		
40168699003	**MW-3R**	WI MOD GRO	288256		
40168699004	**MW-5**	WI MOD GRO	288256		
40168699005	**MW-6**	WI MOD GRO	288256		
40168699006	**MW-7**	WI MOD GRO	288256		
40168699007	**MW-8**	WI MOD GRO	288256		
40168699008	**MW-9**	WI MOD GRO	288404		
40168699009	**MW-10**	WI MOD GRO	288404		
40168699010	**MW-11**	WI MOD GRO	288404		
40168699011	**MW-12A**	WI MOD GRO	288404		
40168699012	**MW-12B**	WI MOD GRO	288404		
40168699013	**MW-13A**	WI MOD GRO	288404		
40168699014	**MW-13B**	WI MOD GRO	288404		
40168699015	**MW-14**	WI MOD GRO	288404		
40168699016	**P-1**	WI MOD GRO	288404		
40168699017	**TONY DEPOT**	WI MOD GRO	288404		
40168699018	**TRIP BLANK**	WI MOD GRO	288548		

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SKW

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

40168699

CHAIN OF COUNTY

(Please Print Clearly)	
Company Name:	Meridian E.C.
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	715-832-6608
Project Number:	
Project Name:	~~Eto~~ Bob's Auto
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	Ken Shimko
Mail To Company:	Meridian E.C.
Mail To Address:	2711 N. Elco Rd Fall Creek WI 54742
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO): Y/N
PRESERVATION (CODE)*: Pick Letter
Analyses Requested: DVOC + Naph

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	DVOC + Naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-1	5/3		GW	X			
002	-2R	↓		↓	↓			
003	-3R	↓		↓	↓			
004	-5	↓		↓	↓			
005	-6	↓		↓	↓			
006	-7	↓		↓	↓			
007	-8	↓		↓	↓			
008	-9	↓		↓	↓			
009	-10	↓		↓	↓			
010	-11	↓		↓	↓			
011	-12A	↓		↓	↓			
012	-12B	↓		↓	↓			

Pg. 1 of 2

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	5/7/18	Fed Ex	5/7/18
Fedex	5/8/18 0945	DBams pace	5/8/18 0945

PACE Project No. 40168699
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal: Present / **Not Present** (circled)
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

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MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Meridian E-C.
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	715 §326608
Project Number:	
Project Name:	Bob's Auto
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	40168699
Mail To Contact:	Ken Shimko
Mail To Company:	Meridian
Mail To Address:	2741 N. Rico Rd Fall Creek WI 54742
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC + Naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
013	-13A	5/3		Cw			X			
014	-13B	↓		↓			↓			
015	-14									
016	P-1									
017	Tony Depot									
018	Trip Blank									

pg. 2 of 2

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	5/7/18	Fed Ex	5/7/18
Fedex	5/8/18 0945	DSems pace	5/8/18 0945

PACE Project No.: 40168699
Receipt Temp = ROD °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal: Present / Not Present
Intact / Not Intact

C019a(27Jun2006)

① Received w/Samples, added to COC by lab RS 5/8/18

Version 6.0 06/14/06
ORIGINAL

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

Sample Preservation Receipt Form

Client Name: Meridian Bc Project # 40168699

All containers needing preservation have been checked and noted below: □Yes □No ☑N/A Initial when completed: Date/ Time:

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																		3															2.5 / 5 / 10
002																		3															2.5 / 5 / 10
003																		3															2.5 / 5 / 10
004																		3															2.5 / 5 / 10
005																		3									3						2.5 / 5 / 10
006																		3															2.5 / 5 / 10
007																		3															2.5 / 5 / 10
008																		3															2.5 / 5 / 10
009																		3															2.5 / 5 / 10
010																		3															2.5 / 5 / 10
011																		3															2.5 / 5 / 10
012																		3															2.5 / 5 / 10
013																		3															2.5 / 5 / 10
014																		3															2.5 / 5 / 10
015																		3															2.5 / 5 / 10
016																		3															2.5 / 5 / 10
017																		3															2.5 / 5 / 10
018																		2															2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☑Yes □No □N/A ***If yes look in headspace column***

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: **WO#: 40168699**

40168699

Client Name: Meridian EC.

Courier: ☐ CS Logistics ☑ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other:

Tracking #: 7808 4457 1352

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - N/A **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: Ref Corr:

Temp Blank Present: ☑ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents: Date: 5/8/18 Initials: DS

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

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out: DS 5/8/18	☑Yes ☐No ☐N/A	2. No collect Times on COC, Trip Blank not noted DS 5/8/18
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3. No Rel Time DS 5/8/18
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. No collect dates/times on labels,
-Includes date/time/ID/Analysis Matrix: W		Old ID on label "P-2" DS 5/8/18
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date: 5-8-18

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

August 16, 2018

Kenneth Shimko
Meridian Environmental Consulting, LLC
2711 North Elco Rd
Fall Creek, WI 54742

RE: Project: BOBI AUTO
Pace Project No.: 40173997

Dear Kenneth Shimko:
Enclosed are the analytical results for sample(s) received by the laboratory on August 14, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

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

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: BOBI AUTO
Pace Project No.: 40173997

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

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Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: BOBI AUTO
Pace Project No.: 40173997

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40173997001	**MW-1**	Water	08/10/18 00:00	08/14/18 10:00
40173997002	**MW-2R**	Water	08/10/18 00:00	08/14/18 10:00
40173997003	**MW-3R**	Water	08/10/18 00:00	08/14/18 10:00
40173997004	**MW-5**	Water	08/10/18 00:00	08/14/18 10:00
40173997005	**MW-6**	Water	08/10/18 00:00	08/14/18 10:00
40173997006	**MW-7**	Water	08/10/18 00:00	08/14/18 10:00
40173997007	**MW-8**	Water	08/10/18 00:00	08/14/18 10:00
40173997008	**MW-9**	Water	08/10/18 00:00	08/14/18 10:00
40173997009	**MW-11**	Water	08/10/18 00:00	08/14/18 10:00
40173997010	**MW-12A**	Water	08/10/18 00:00	08/14/18 10:00
40173997011	**MW-12B**	Water	08/10/18 00:00	08/14/18 10:00
40173997012	**MW-13A**	Water	08/10/18 00:00	08/14/18 10:00
40173997013	**MW-13B**	Water	08/10/18 00:00	08/14/18 10:00
40173997014	**MW-14**	Water	08/10/18 00:00	08/14/18 10:00
40173997015	**P-2**	Water	08/10/18 00:00	08/14/18 10:00
40173997016	**LUMBER**	Water	08/10/18 00:00	08/14/18 10:00
40173997017	**DEPOT**	Water	08/10/18 00:00	08/14/18 10:00
40173997018	**TB**	Water	08/10/18 00:00	08/14/18 10:00

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Green Bay, WI 54302
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SAMPLE ANALYTE COUNT

Project: BOBI AUTO
Pace Project No.: 40173997

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40173997001	**MW-1**	WI MOD GRO	PMS	9	PASI-G
40173997002	**MW-2R**	WI MOD GRO	PMS	9	PASI-G
40173997003	**MW-3R**	WI MOD GRO	PMS	9	PASI-G
40173997004	**MW-5**	WI MOD GRO	PMS	9	PASI-G
40173997005	**MW-6**	WI MOD GRO	PMS	9	PASI-G
40173997006	**MW-7**	WI MOD GRO	PMS	9	PASI-G
40173997007	**MW-8**	WI MOD GRO	PMS	9	PASI-G
40173997008	**MW-9**	WI MOD GRO	PMS	9	PASI-G
40173997009	**MW-11**	WI MOD GRO	PMS	9	PASI-G
40173997010	**MW-12A**	WI MOD GRO	PMS	9	PASI-G
40173997011	**MW-12B**	WI MOD GRO	PMS	9	PASI-G
40173997012	**MW-13A**	WI MOD GRO	PMS	9	PASI-G
40173997013	**MW-13B**	WI MOD GRO	PMS	9	PASI-G
40173997014	**MW-14**	WI MOD GRO	PMS	9	PASI-G
40173997015	**P-2**	WI MOD GRO	PMS	9	PASI-G
40173997016	**LUMBER**	WI MOD GRO	PMS	9	PASI-G
40173997017	**DEPOT**	WI MOD GRO	PMS	9	PASI-G
40173997018	**TB**	WI MOD GRO	PMS	9	PASI-G

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: BOBI AUTO
Pace Project No.: 40173997

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: Meridian Environmental Consulting, LLC
Date: August 16, 2018

General Information:
18 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: BOBI AUTO
Pace Project No.: 40173997

Sample: MW-1 **Lab ID: 40173997001** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**109**	ug/L	40.8	12.2	40		08/15/18 17:25	71-43-2	
Ethylbenzene	**2330**	ug/L	44.0	13.2	40		08/15/18 17:25	100-41-4	
Methyl-tert-butyl ether	**20.6J**	ug/L	42.8	12.8	40		08/15/18 17:25	1634-04-4	
Naphthalene	**712**	ug/L	67.2	20.2	40		08/15/18 17:25	91-20-3	
Toluene	**3820**	ug/L	65.2	19.6	40		08/15/18 17:25	108-88-3	
1,2,4-Trimethylbenzene	**3310**	ug/L	45.6	13.7	40		08/15/18 17:25	95-63-6	
1,3,5-Trimethylbenzene	**966**	ug/L	43.6	13.1	40		08/15/18 17:25	108-67-8	
Xylene (Total)	**13600**	ug/L	129	38.8	40		08/15/18 17:25	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		40		08/15/18 17:25	98-08-8	

Sample: MW-2R **Lab ID: 40173997002** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1230**	ug/L	20.4	6.1	20		08/15/18 17:50	71-43-2	
Ethylbenzene	**178**	ug/L	22.0	6.6	20		08/15/18 17:50	100-41-4	
Methyl-tert-butyl ether	**8.6J**	ug/L	21.4	6.4	20		08/15/18 17:50	1634-04-4	
Naphthalene	**141**	ug/L	33.6	10.1	20		08/15/18 17:50	91-20-3	
Toluene	**798**	ug/L	32.6	9.8	20		08/15/18 17:50	108-88-3	
1,2,4-Trimethylbenzene	**1320**	ug/L	22.8	6.8	20		08/15/18 17:50	95-63-6	
1,3,5-Trimethylbenzene	**687**	ug/L	21.8	6.6	20		08/15/18 17:50	108-67-8	
Xylene (Total)	**2550**	ug/L	64.6	19.4	20		08/15/18 17:50	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		20		08/15/18 17:50	98-08-8	

Sample: MW-3R **Lab ID: 40173997003** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1820**	ug/L	102	30.6	100		08/15/18 16:59	71-43-2	
Ethylbenzene	**836**	ug/L	110	32.9	100		08/15/18 16:59	100-41-4	
Methyl-tert-butyl ether	**<32.0**	ug/L	107	32.0	100		08/15/18 16:59	1634-04-4	
Naphthalene	**367**	ug/L	168	50.6	100		08/15/18 16:59	91-20-3	
Toluene	**6460**	ug/L	163	48.9	100		08/15/18 16:59	108-88-3	
1,2,4-Trimethylbenzene	**1330**	ug/L	114	34.2	100		08/15/18 16:59	95-63-6	
1,3,5-Trimethylbenzene	**401**	ug/L	109	32.8	100		08/15/18 16:59	108-67-8	
Xylene (Total)	**9900**	ug/L	323	97.0	100		08/15/18 16:59	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		100		08/15/18 16:59	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: BOBI AUTO
Pace Project No.: 40173997

Sample: MW-5 **Lab ID: 40173997004** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		08/15/18 10:36	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 10:36	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		08/15/18 10:36	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		08/15/18 10:36	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		08/15/18 10:36	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		08/15/18 10:36	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 10:36	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		08/15/18 10:36	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		08/15/18 10:36	98-08-8	

Sample: MW-6 **Lab ID: 40173997005** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		08/15/18 11:01	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 11:01	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		08/15/18 11:01	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		08/15/18 11:01	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		08/15/18 11:01	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		08/15/18 11:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 11:01	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		08/15/18 11:01	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		08/15/18 11:01	98-08-8	

Sample: MW-7 **Lab ID: 40173997006** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		08/15/18 11:27	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 11:27	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		08/15/18 11:27	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		08/15/18 11:27	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		08/15/18 11:27	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		08/15/18 11:27	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 11:27	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		08/15/18 11:27	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		08/15/18 11:27	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOBI AUTO
Pace Project No.: 40173997

Sample: MW-8 **Lab ID: 40173997007** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<6.1**	ug/L	20.4	6.1	20		08/15/18 18:16	71-43-2	
Ethylbenzene	**1410**	ug/L	22.0	6.6	20		08/15/18 18:16	100-41-4	
Methyl-tert-butyl ether	**9.6J**	ug/L	21.4	6.4	20		08/15/18 18:16	1634-04-4	
Naphthalene	**496**	ug/L	33.6	10.1	20		08/15/18 18:16	91-20-3	
Toluene	**43.0**	ug/L	32.6	9.8	20		08/15/18 18:16	108-88-3	
1,2,4-Trimethylbenzene	**1480**	ug/L	22.8	6.8	20		08/15/18 18:16	95-63-6	
1,3,5-Trimethylbenzene	**368**	ug/L	21.8	6.6	20		08/15/18 18:16	108-67-8	
Xylene (Total)	**4950**	ug/L	64.6	19.4	20		08/15/18 18:16	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		20		08/15/18 18:16	98-08-8	

Sample: MW-9 **Lab ID: 40173997008** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		08/15/18 11:52	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 11:52	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		08/15/18 11:52	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		08/15/18 11:52	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		08/15/18 11:52	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		08/15/18 11:52	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 11:52	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		08/15/18 11:52	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		08/15/18 11:52	98-08-8	

Sample: MW-11 **Lab ID: 40173997009** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		08/15/18 12:18	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 12:18	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		08/15/18 12:18	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		08/15/18 12:18	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		08/15/18 12:18	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		08/15/18 12:18	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 12:18	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		08/15/18 12:18	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		08/15/18 12:18	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOBI AUTO
Pace Project No.: 40173997

Sample: MW-12A **Lab ID: 40173997010** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		08/15/18 12:44	71-43-2	
Ethylbenzene	**4.2**	ug/L	1.1	0.33	1		08/15/18 12:44	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		08/15/18 12:44	1634-04-4	
Naphthalene	**2.3**	ug/L	1.7	0.51	1		08/15/18 12:44	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		08/15/18 12:44	108-88-3	
1,2,4-Trimethylbenzene	**2.4**	ug/L	1.1	0.34	1		08/15/18 12:44	95-63-6	
1,3,5-Trimethylbenzene	**2.1**	ug/L	1.1	0.33	1		08/15/18 12:44	108-67-8	
Xylene (Total)	**5.6**	ug/L	3.2	0.97	1		08/15/18 12:44	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%	80-120		1		08/15/18 12:44	98-08-8	

Sample: MW-12B **Lab ID: 40173997011** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		08/15/18 13:09	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 13:09	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		08/15/18 13:09	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		08/15/18 13:09	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		08/15/18 13:09	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		08/15/18 13:09	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 13:09	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		08/15/18 13:09	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		08/15/18 13:09	98-08-8	

Sample: MW-13A **Lab ID: 40173997012** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		08/15/18 13:35	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 13:35	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		08/15/18 13:35	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		08/15/18 13:35	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		08/15/18 13:35	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		08/15/18 13:35	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 13:35	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		08/15/18 13:35	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		08/15/18 13:35	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOBI AUTO
Pace Project No.: 40173997

Sample: MW-13B **Lab ID: 40173997013** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		08/15/18 14:00	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 14:00	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		08/15/18 14:00	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		08/15/18 14:00	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		08/15/18 14:00	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		08/15/18 14:00	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 14:00	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		08/15/18 14:00	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		08/15/18 14:00	98-08-8	

Sample: MW-14 **Lab ID: 40173997014** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**27.6**	ug/L	1.0	0.31	1		08/15/18 16:34	71-43-2	
Ethylbenzene	**15.4**	ug/L	1.1	0.33	1		08/15/18 16:34	100-41-4	
Methyl-tert-butyl ether	**5.2**	ug/L	1.1	0.32	1		08/15/18 16:34	1634-04-4	
Naphthalene	**1.2J**	ug/L	1.7	0.51	1		08/15/18 16:34	91-20-3	
Toluene	**5.5**	ug/L	1.6	0.49	1		08/15/18 16:34	108-88-3	
1,2,4-Trimethylbenzene	**11.1**	ug/L	1.1	0.34	1		08/15/18 16:34	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 16:34	108-67-8	
Xylene (Total)	**9.7**	ug/L	3.2	0.97	1		08/15/18 16:34	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	114	%	80-120		1		08/15/18 16:34	98-08-8	

Sample: P-2 **Lab ID: 40173997015** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		08/15/18 19:32	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 19:32	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		08/15/18 19:32	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		08/15/18 19:32	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		08/15/18 19:32	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		08/15/18 19:32	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 19:32	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		08/15/18 19:32	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		08/15/18 19:32	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOBI AUTO
Pace Project No.: 40173997

Sample: LUMBER **Lab ID: 40173997016** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		08/15/18 19:58	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 19:58	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		08/15/18 19:58	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		08/15/18 19:58	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		08/15/18 19:58	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		08/15/18 19:58	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 19:58	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		08/15/18 19:58	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		08/15/18 19:58	98-08-8	

Sample: DEPOT **Lab ID: 40173997017** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		08/15/18 20:23	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 20:23	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		08/15/18 20:23	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		08/15/18 20:23	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		08/15/18 20:23	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		08/15/18 20:23	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 20:23	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		08/15/18 20:23	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		08/15/18 20:23	98-08-8	

Sample: TB **Lab ID: 40173997018** Collected: 08/10/18 00:00 Received: 08/14/18 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		08/15/18 14:26	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 14:26	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		08/15/18 14:26	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		08/15/18 14:26	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		08/15/18 14:26	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		08/15/18 14:26	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 14:26	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		08/15/18 14:26	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		08/15/18 14:26	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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QUALITY CONTROL DATA

Project: BOBI AUTO
Pace Project No.: 40173997

QC Batch: 297250 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40173997001, 40173997002, 40173997003, 40173997004, 40173997005, 40173997006, 40173997007, 40173997008, 40173997009, 40173997010, 40173997011, 40173997012, 40173997013, 40173997014, 40173997015, 40173997016, 40173997017, 40173997018

METHOD BLANK: 1735854 Matrix: Water
Associated Lab Samples: 40173997001, 40173997002, 40173997003, 40173997004, 40173997005, 40173997006, 40173997007, 40173997008, 40173997009, 40173997010, 40173997011, 40173997012, 40173997013, 40173997014, 40173997015, 40173997016, 40173997017, 40173997018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.34	1.1	08/15/18 08:53	
1,3,5-Trimethylbenzene	ug/L	<0.33	1.1	08/15/18 08:53	
Benzene	ug/L	<0.31	1.0	08/15/18 08:53	
Ethylbenzene	ug/L	<0.33	1.1	08/15/18 08:53	
Methyl-tert-butyl ether	ug/L	<0.32	1.1	08/15/18 08:53	
Naphthalene	ug/L	<0.51	1.7	08/15/18 08:53	
Toluene	ug/L	<0.49	1.6	08/15/18 08:53	
Xylene (Total)	ug/L	<0.97	3.2	08/15/18 08:53	
a,a,a-Trifluorotoluene (S)	%	101	80-120	08/15/18 08:53	

LABORATORY CONTROL SAMPLE & LCSD: 1735855 1735856

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	21.1	20.8	105	104	80-120	2	20	
1,3,5-Trimethylbenzene	ug/L	20	20.5	20.1	102	100	80-120	2	20	
Benzene	ug/L	20	21.0	20.9	105	105	80-120	0	20	
Ethylbenzene	ug/L	20	20.9	20.7	104	103	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	21.0	20.8	105	104	80-120	1	20	
Naphthalene	ug/L	20	20.1	20.8	100	104	80-120	4	20	
Toluene	ug/L	20	21.1	20.8	105	104	80-120	1	20	
Xylene (Total)	ug/L	60	62.5	61.5	104	103	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				102	101	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1736074 1736075

Parameter	Units	40173997004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	<0.34	20	20	22.5	22.6	112	113	51-160	0	20	
1,3,5-Trimethylbenzene	ug/L	<0.33	20	20	21.9	21.9	110	110	56-146	0	20	
Benzene	ug/L	<0.31	20	20	22.7	22.3	114	111	71-137	2	20	
Ethylbenzene	ug/L	<0.33	20	20	22.8	22.5	114	113	71-141	1	20	
Methyl-tert-butyl ether	ug/L	<0.32	20	20	21.5	21.0	108	105	80-120	2	20	
Naphthalene	ug/L	<0.51	20	20	21.1	21.9	106	109	67-138	4	20	
Toluene	ug/L	<0.49	20	20	23.0	22.5	115	113	76-134	2	20	
Xylene (Total)	ug/L	<0.97	60	60	67.6	66.9	113	112	69-138	1	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: BOBI AUTO
Pace Project No.: 40173997

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1736074 1736075

Parameter	Units	40173997004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
a,a,a-Trifluorotoluene (S)	%						101	101	80-120			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: BOBI AUTO
Pace Project No.: 40173997

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOBI AUTO
Pace Project No.: 40173997

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40173997001	**MW-1**	WI MOD GRO	297250		
40173997002	**MW-2R**	WI MOD GRO	297250		
40173997003	**MW-3R**	WI MOD GRO	297250		
40173997004	**MW-5**	WI MOD GRO	297250		
40173997005	**MW-6**	WI MOD GRO	297250		
40173997006	**MW-7**	WI MOD GRO	297250		
40173997007	**MW-8**	WI MOD GRO	297250		
40173997008	**MW-9**	WI MOD GRO	297250		
40173997009	**MW-11**	WI MOD GRO	297250		
40173997010	**MW-12A**	WI MOD GRO	297250		
40173997011	**MW-12B**	WI MOD GRO	297250		
40173997012	**MW-13A**	WI MOD GRO	297250		
40173997013	**MW-13B**	WI MOD GRO	297250		
40173997014	**MW-14**	WI MOD GRO	297250		
40173997015	**P-2**	WI MOD GRO	297250		
40173997016	**LUMBER**	WI MOD GRO	297250		
40173997017	**DEPOT**	WI MOD GRO	297250		
40173997018	**TB**	WI MOD GRO	297250		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

40173997

(Please Print Clearly)	
Company Name:	Meridian Env. Co
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	715 832 6606
Project Number:	
Project Name:	Bobi Auto
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Ken Shimko
Mail To Company:	Meridian Env Co
Mail To Address:	2711 N. Elco Rd Fall Creek WI 54742
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

***Preservation Codes**
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC + Naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-1	8/10		GW			X			
002	-2R									
003	-3R									
004	-5									
005	-6									
006	-7									
007	-8									
008	-9									
009	-11									
010	-12A									
011	-12B									
012	-13A									
013	-13B									

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	8/13/18	Fed Ex	8/13/18
Fedex	8/14/18 1000		8/14/18 1330

PACE Project No.: 40173997

Receipt Temp = 10.7 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

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CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Meridian Env. Co LLC
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	7158326608
Project Number:	
Project Name:	Bobs Auto
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	40173997
Mail To Contact:	Ken Shimko
Mail To Company:	Meridian Env Co LLC
Mail To Address:	2711 N. Rice Rd Fall Creek WI
Invoice To Contact:	54742
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Page 17 of 19

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
Sl = Sludge	WP = Wipe

FILTERED? (YES/NO)
PRESERVATION (CODE)*

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Y/N	Pick Letter	Analyses Requested: PVOL + Naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
014	MW-14	8/10		GW			X			
015	P-2	↓		↓			↓			
016	Lumber									
017	Depot									
018	-TB								Received w/ cooler - added to COC by lab 8/14/18	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	
Transmit Prelim Rush Results by (complete what you want):	
Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	8/13/18	Fed Ex	8/13/18
Fedex	8/14/18 1000		8/14/18 1000

PACE Project No. 40173997

Receipt Temp = 2.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Sample Preservation Receipt Form

Client Name: Meridian Project # 40123997

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

Initial when completed: Date/ Time:

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																		3															2.5 / 5 / 10
002																		3															2.5 / 5 / 10
003																		3															2.5 / 5 / 10
004																		3															2.5 / 5 / 10
005																		3															2.5 / 5 / 10
006																		3															2.5 / 5 / 10
007																		3															2.5 / 5 / 10
008																		3															2.5 / 5 / 10
009																		3															2.5 / 5 / 10
010																		3															2.5 / 5 / 10
011																		3															2.5 / 5 / 10
012																		3															2.5 / 5 / 10
013																		2															2.5 / 5 / 10
014																		2															2.5 / 5 / 10
015																		3															2.5 / 5 / 10
016																		3															2.5 / 5 / 10
017																		3															2.5 / 5 / 10
018																		2															2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : □Yes ☒No □N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40173997

40173997

Client Name: Meridian

Courier: ☐ CS Logistics ☒ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco
☐ Client ☐ Pace Other:

Tracking #: 7822 7285 1961

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - N/A **Type of Ice:** Wet Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1.5 /Corr:

Temp Blank Present: ☐ yes ☒ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents:
Date: 8/14/18
Initials:

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

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2. no time 8/14/18
Chain of Custody Relinquished:	☐Yes ☒No ☐N/A	3. no time 8/14/18
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume:		8.
For Analysis: ☒Yes ☐No MS/MSD:	☒Yes ☐No ☐N/A	
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☐Yes ☒No ☐N/A	12. No date -, no "MW" on IDs 8/14/18
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☒Yes ☐No ☐N/A	13. Present in cooler - added to coc by lab
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	8/14/18
Pace Trip Blank Lot # (if purchased): 402		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: **Date:** 8/14/18

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 16, 2018

Kenneth Shimko
Meridian Environmental Consulting, LLC
2711 North Elco Rd
Fall Creek, WI 54742

RE: Project: BOB'S AUTO
Pace Project No.: 40179560

Dear Kenneth Shimko:
Enclosed are the analytical results for sample(s) received by the laboratory on November 13, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

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

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: BOB'S AUTO
Pace Project No.: 40179560

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: BOB'S AUTO
Pace Project No.: 40179560

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40179560001	**MW-1**	Water	11/08/18 00:00	11/13/18 09:20
40179560002	**MW-2R**	Water	11/08/18 00:00	11/13/18 09:20
40179560003	**MW-3R**	Water	11/08/18 00:00	11/13/18 09:20
40179560004	**MW-5**	Water	11/08/18 00:00	11/13/18 09:20
40179560005	**MW-6**	Water	11/08/18 00:00	11/13/18 09:20
40179560006	**MW-7**	Water	11/08/18 00:00	11/13/18 09:20
40179560007	**MW-8**	Water	11/08/18 00:00	11/13/18 09:20
40179560008	**MW-9**	Water	11/08/18 00:00	11/13/18 09:20
40179560009	**MW-10**	Water	11/08/18 00:00	11/13/18 09:20
40179560010	**MW-11**	Water	11/08/18 00:00	11/13/18 09:20
40179560011	**MW-12A**	Water	11/08/18 00:00	11/13/18 09:20
40179560012	**MW-12B**	Water	11/08/18 00:00	11/13/18 09:20
40179560013	**MW-13A**	Water	11/08/18 00:00	11/13/18 09:20
40179560014	**MW-13B**	Water	11/08/18 00:00	11/13/18 09:20
40179560015	**MW-14**	Water	11/08/18 00:00	11/13/18 09:20
40179560016	**P-2**	Water	11/08/18 00:00	11/13/18 09:20
40179560017	**TONY DEPOT**	Water	11/08/18 00:00	11/13/18 09:20
40179560018	**TONY LUMBER**	Water	11/08/18 00:00	11/13/18 09:20
40179560019	**TRIP BLANK**	Water	11/08/18 00:00	11/13/18 09:20

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: BOB'S AUTO
Pace Project No.: 40179560

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40179560001	MW-1	WI MOD GRO	PMS	9	PASI-G
40179560002	MW-2R	WI MOD GRO	PMS	9	PASI-G
40179560003	MW-3R	WI MOD GRO	PMS	9	PASI-G
40179560004	MW-5	WI MOD GRO	PMS	9	PASI-G
40179560005	MW-6	WI MOD GRO	PMS	9	PASI-G
40179560006	MW-7	WI MOD GRO	PMS	9	PASI-G
40179560007	MW-8	WI MOD GRO	PMS	9	PASI-G
40179560008	MW-9	WI MOD GRO	PMS	9	PASI-G
40179560009	MW-10	WI MOD GRO	PMS	9	PASI-G
40179560010	MW-11	WI MOD GRO	PMS	9	PASI-G
40179560011	MW-12A	WI MOD GRO	PMS	9	PASI-G
40179560012	MW-12B	WI MOD GRO	PMS	9	PASI-G
40179560013	MW-13A	WI MOD GRO	PMS	9	PASI-G
40179560014	MW-13B	WI MOD GRO	PMS	9	PASI-G
40179560015	MW-14	WI MOD GRO	PMS	9	PASI-G
40179560016	P-2	WI MOD GRO	ALD	9	PASI-G
40179560017	TONY DEPOT	EPA 524.2	DS2	62	PASI-M
40179560018	TONY LUMBER	EPA 524.2	DS2	62	PASI-M
40179560019	TRIP BLANK	WI MOD GRO	ALD	9	PASI-G

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PROJECT NARRATIVE

Project: BOB'S AUTO
Pace Project No.: 40179560

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: Meridian Environmental Consulting, LLC
Date: November 16, 2018

General Information:
17 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BOB'S AUTO
Pace Project No.: 40179560

Method: **EPA 524.2**
Description: 524.2 MSV
Client: Meridian Environmental Consulting, LLC
Date: November 16, 2018

General Information:
2 samples were analyzed for EPA 524.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 575445

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10455440001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 3124789)
  - cis-1,3-Dichloropropene

R1: RPD value was outside control limits.

- MSD (Lab ID: 3124789)
  - Chloromethane
  - cis-1,3-Dichloropropene

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BOB'S AUTO
Pace Project No.: 40179560

Method: **EPA 524.2**
Description: 524.2 MSV
Client: Meridian Environmental Consulting, LLC
Date: November 16, 2018

Analyte Comments:

QC Batch: 575445

N2: The lab does not hold NELAC/TNI accreditation for this parameter.

- BLANK (Lab ID: 3123196)
  - 1,2-Dibromo-3-chloropropane
  - 1,2-Dibromoethane (EDB)
  - 1,3-Dichloropropane
  - 1,3,5-Trimethylbenzene
  - p-Isopropyltoluene
- LCS (Lab ID: 3123197)
  - 1,2-Dibromo-3-chloropropane
  - 1,2-Dibromoethane (EDB)
  - 1,3-Dichloropropane
  - 1,3,5-Trimethylbenzene
  - p-Isopropyltoluene
- MS (Lab ID: 3124788)
  - 1,2-Dibromo-3-chloropropane
  - 1,2-Dibromoethane (EDB)
  - 1,3-Dichloropropane
  - 1,3,5-Trimethylbenzene
  - p-Isopropyltoluene
- MSD (Lab ID: 3124789)
  - 1,2-Dibromo-3-chloropropane
  - 1,2-Dibromoethane (EDB)
  - 1,3-Dichloropropane
  - 1,3,5-Trimethylbenzene
  - p-Isopropyltoluene
- TONY DEPOT (Lab ID: 40179560017)
  - 1,2-Dibromo-3-chloropropane
  - 1,2-Dibromoethane (EDB)
  - 1,3-Dichloropropane
  - 1,3,5-Trimethylbenzene
  - p-Isopropyltoluene
- TONY LUMBER (Lab ID: 40179560018)
  - 1,2-Dibromo-3-chloropropane
  - 1,2-Dibromoethane (EDB)
  - 1,3-Dichloropropane
  - 1,3,5-Trimethylbenzene
  - p-Isopropyltoluene

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: BOB'S AUTO
Pace Project No.: 40179560

Sample: MW-1 **Lab ID: 40179560001** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**104**	ug/L	51.0	15.3	50		11/14/18 15:16	71-43-2	
Ethylbenzene	**2120**	ug/L	55.0	16.4	50		11/14/18 15:16	100-41-4	
Methyl-tert-butyl ether	**<16.0**	ug/L	53.5	16.0	50		11/14/18 15:16	1634-04-4	
Naphthalene	**597**	ug/L	84.0	25.3	50		11/14/18 15:16	91-20-3	
Toluene	**3860**	ug/L	81.5	24.4	50		11/14/18 15:16	108-88-3	
1,2,4-Trimethylbenzene	**2900**	ug/L	57.0	17.1	50		11/14/18 15:16	95-63-6	
1,3,5-Trimethylbenzene	**870**	ug/L	54.5	16.4	50		11/14/18 15:16	108-67-8	
Xylene (Total)	**13300**	ug/L	162	48.5	50		11/14/18 15:16	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	112	%	80-120		50		11/14/18 15:16	98-08-8	

Sample: MW-2R **Lab ID: 40179560002** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1230**	ug/L	20.4	6.1	20		11/14/18 16:08	71-43-2	
Ethylbenzene	**189**	ug/L	22.0	6.6	20		11/14/18 16:08	100-41-4	
Methyl-tert-butyl ether	**14.8J**	ug/L	21.4	6.4	20		11/14/18 16:08	1634-04-4	
Naphthalene	**92.5**	ug/L	33.6	10.1	20		11/14/18 16:08	91-20-3	
Toluene	**392**	ug/L	32.6	9.8	20		11/14/18 16:08	108-88-3	
1,2,4-Trimethylbenzene	**1090**	ug/L	22.8	6.8	20		11/14/18 16:08	95-63-6	
1,3,5-Trimethylbenzene	**707**	ug/L	21.8	6.6	20		11/14/18 16:08	108-67-8	
Xylene (Total)	**2270**	ug/L	64.6	19.4	20		11/14/18 16:08	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%	80-120		20		11/14/18 16:08	98-08-8	

Sample: MW-3R **Lab ID: 40179560003** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**716**	ug/L	51.0	15.3	50		11/14/18 15:42	71-43-2	
Ethylbenzene	**511**	ug/L	55.0	16.4	50		11/14/18 15:42	100-41-4	
Methyl-tert-butyl ether	**<16.0**	ug/L	53.5	16.0	50		11/14/18 15:42	1634-04-4	
Naphthalene	**266**	ug/L	84.0	25.3	50		11/14/18 15:42	91-20-3	
Toluene	**3640**	ug/L	81.5	24.4	50		11/14/18 15:42	108-88-3	
1,2,4-Trimethylbenzene	**1220**	ug/L	57.0	17.1	50		11/14/18 15:42	95-63-6	
1,3,5-Trimethylbenzene	**398**	ug/L	54.5	16.4	50		11/14/18 15:42	108-67-8	
Xylene (Total)	**7340**	ug/L	162	48.5	50		11/14/18 15:42	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	111	%	80-120		50		11/14/18 15:42	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOB'S AUTO
Pace Project No.: 40179560

Sample: MW-5 **Lab ID: 40179560004** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		11/14/18 10:08	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 10:08	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		11/14/18 10:08	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		11/14/18 10:08	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		11/14/18 10:08	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		11/14/18 10:08	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 10:08	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		11/14/18 10:08	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%	80-120		1		11/14/18 10:08	98-08-8	

Sample: MW-6 **Lab ID: 40179560005** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		11/14/18 10:33	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 10:33	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		11/14/18 10:33	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		11/14/18 10:33	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		11/14/18 10:33	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		11/14/18 10:33	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 10:33	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		11/14/18 10:33	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	109	%	80-120		1		11/14/18 10:33	98-08-8	

Sample: MW-7 **Lab ID: 40179560006** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		11/14/18 10:59	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 10:59	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		11/14/18 10:59	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		11/14/18 10:59	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		11/14/18 10:59	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		11/14/18 10:59	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 10:59	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		11/14/18 10:59	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%	80-120		1		11/14/18 10:59	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOB'S AUTO
Pace Project No.: 40179560

Sample: MW-8 **Lab ID: 40179560007** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<6.1**	ug/L	20.4	6.1	20		11/14/18 16:33	71-43-2	
Ethylbenzene	**1230**	ug/L	22.0	6.6	20		11/14/18 16:33	100-41-4	
Methyl-tert-butyl ether	**12.6J**	ug/L	21.4	6.4	20		11/14/18 16:33	1634-04-4	
Naphthalene	**484**	ug/L	33.6	10.1	20		11/14/18 16:33	91-20-3	
Toluene	**52.2**	ug/L	32.6	9.8	20		11/14/18 16:33	108-88-3	
1,2,4-Trimethylbenzene	**1450**	ug/L	22.8	6.8	20		11/14/18 16:33	95-63-6	
1,3,5-Trimethylbenzene	**313**	ug/L	21.8	6.6	20		11/14/18 16:33	108-67-8	
Xylene (Total)	**3210**	ug/L	64.6	19.4	20		11/14/18 16:33	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	109	%	80-120		20		11/14/18 16:33	98-08-8	

Sample: MW-9 **Lab ID: 40179560008** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		11/14/18 11:25	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 11:25	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		11/14/18 11:25	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		11/14/18 11:25	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		11/14/18 11:25	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		11/14/18 11:25	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 11:25	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		11/14/18 11:25	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%	80-120		1		11/14/18 11:25	98-08-8	

Sample: MW-10 **Lab ID: 40179560009** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**4.6**	ug/L	1.0	0.31	1		11/14/18 18:42	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 18:42	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		11/14/18 18:42	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		11/14/18 18:42	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		11/14/18 18:42	108-88-3	
1,2,4-Trimethylbenzene	**0.50J**	ug/L	1.1	0.34	1		11/14/18 18:42	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 18:42	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		11/14/18 18:42	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	114	%	80-120		1		11/14/18 18:42	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOB'S AUTO
Pace Project No.: 40179560

Sample: MW-11 **Lab ID: 40179560010** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		11/14/18 11:51	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 11:51	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		11/14/18 11:51	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		11/14/18 11:51	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		11/14/18 11:51	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		11/14/18 11:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 11:51	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		11/14/18 11:51	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%	80-120		1		11/14/18 11:51	98-08-8	

Sample: MW-12A **Lab ID: 40179560011** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		11/14/18 12:16	71-43-2	
Ethylbenzene	**2.0**	ug/L	1.1	0.33	1		11/14/18 12:16	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		11/14/18 12:16	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		11/14/18 12:16	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		11/14/18 12:16	108-88-3	
1,2,4-Trimethylbenzene	**0.77J**	ug/L	1.1	0.34	1		11/14/18 12:16	95-63-6	
1,3,5-Trimethylbenzene	**1.0J**	ug/L	1.1	0.33	1		11/14/18 12:16	108-67-8	
Xylene (Total)	**2.5J**	ug/L	3.2	0.97	1		11/14/18 12:16	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	113	%	80-120		1		11/14/18 12:16	98-08-8	

Sample: MW-12B **Lab ID: 40179560012** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		11/14/18 12:42	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 12:42	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		11/14/18 12:42	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		11/14/18 12:42	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		11/14/18 12:42	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		11/14/18 12:42	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 12:42	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		11/14/18 12:42	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		1		11/14/18 12:42	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: BOB'S AUTO
Pace Project No.: 40179560

Sample: MW-13A **Lab ID: 40179560013** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		11/14/18 13:08	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 13:08	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		11/14/18 13:08	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		11/14/18 13:08	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		11/14/18 13:08	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		11/14/18 13:08	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 13:08	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		11/14/18 13:08	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	107	%	80-120		1		11/14/18 13:08	98-08-8	

Sample: MW-13B **Lab ID: 40179560014** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		11/14/18 18:16	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 18:16	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		11/14/18 18:16	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		11/14/18 18:16	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		11/14/18 18:16	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		11/14/18 18:16	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 18:16	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		11/14/18 18:16	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	107	%	80-120		1		11/14/18 18:16	98-08-8	

Sample: MW-14 **Lab ID: 40179560015** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**16.8**	ug/L	1.0	0.31	1		11/14/18 14:51	71-43-2	
Ethylbenzene	**5.8**	ug/L	1.1	0.33	1		11/14/18 14:51	100-41-4	
Methyl-tert-butyl ether	**7.1**	ug/L	1.1	0.32	1		11/14/18 14:51	1634-04-4	
Naphthalene	**0.66J**	ug/L	1.7	0.51	1		11/14/18 14:51	91-20-3	
Toluene	**4.5**	ug/L	1.6	0.49	1		11/14/18 14:51	108-88-3	
1,2,4-Trimethylbenzene	**5.1**	ug/L	1.1	0.34	1		11/14/18 14:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/14/18 14:51	108-67-8	
Xylene (Total)	**4.0**	ug/L	3.2	0.97	1		11/14/18 14:51	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	119	%	80-120		1		11/14/18 14:51	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOB'S AUTO
Pace Project No.: 40179560

Sample: P-2 **Lab ID: 40179560016** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		11/15/18 10:35	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/15/18 10:35	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		11/15/18 10:35	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		11/15/18 10:35	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		11/15/18 10:35	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		11/15/18 10:35	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/15/18 10:35	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		11/15/18 10:35	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		11/15/18 10:35	98-08-8	

Sample: TONY DEPOT **Lab ID: 40179560017** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2								
Benzene	**<0.12**	ug/L	0.41	0.12	1		11/15/18 16:33	71-43-2	
Bromobenzene	**<0.23**	ug/L	0.76	0.23	1		11/15/18 16:33	108-86-1	
Bromochloromethane	**<0.30**	ug/L	0.99	0.30	1		11/15/18 16:33	74-97-5	
Bromodichloromethane	**<0.15**	ug/L	0.50	0.15	1		11/15/18 16:33	75-27-4	
Bromoform	**<0.86**	ug/L	2.9	0.86	1		11/15/18 16:33	75-25-2	
Bromomethane	**<0.62**	ug/L	2.1	0.62	1		11/15/18 16:33	74-83-9	
n-Butylbenzene	**<0.14**	ug/L	0.47	0.14	1		11/15/18 16:33	104-51-8	
sec-Butylbenzene	**<0.20**	ug/L	0.68	0.20	1		11/15/18 16:33	135-98-8	
tert-Butylbenzene	**<0.14**	ug/L	0.46	0.14	1		11/15/18 16:33	98-06-6	
Carbon tetrachloride	**<0.20**	ug/L	0.67	0.20	1		11/15/18 16:33	56-23-5	
Chlorobenzene	**<0.12**	ug/L	0.40	0.12	1		11/15/18 16:33	108-90-7	
Chloroethane	**<0.14**	ug/L	0.47	0.14	1		11/15/18 16:33	75-00-3	
Chloroform	**<0.31**	ug/L	1.0	0.31	1		11/15/18 16:33	67-66-3	
Chloromethane	**<0.15**	ug/L	0.51	0.15	1		11/15/18 16:33	74-87-3	
2-Chlorotoluene	**<0.086**	ug/L	0.29	0.086	1		11/15/18 16:33	95-49-8	
4-Chlorotoluene	**<0.093**	ug/L	0.31	0.093	1		11/15/18 16:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	6.5	2.0	1		11/15/18 16:33	96-12-8	N2
Dibromochloromethane	**<0.24**	ug/L	0.81	0.24	1		11/15/18 16:33	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	0.57	0.17	1		11/15/18 16:33	106-93-4	N2
Dibromomethane	**<0.23**	ug/L	0.76	0.23	1		11/15/18 16:33	74-95-3	
1,2-Dichlorobenzene	**<0.18**	ug/L	0.58	0.18	1		11/15/18 16:33	95-50-1	
1,3-Dichlorobenzene	**<0.14**	ug/L	0.46	0.14	1		11/15/18 16:33	541-73-1	
1,4-Dichlorobenzene	**<0.086**	ug/L	0.29	0.086	1		11/15/18 16:33	106-46-7	
Dichlorodifluoromethane	**<0.26**	ug/L	0.87	0.26	1		11/15/18 16:33	75-71-8	
1,1-Dichloroethane	**<0.16**	ug/L	0.55	0.16	1		11/15/18 16:33	75-34-3	
1,2-Dichloroethane	**<0.13**	ug/L	0.45	0.13	1		11/15/18 16:33	107-06-2	
1,1-Dichloroethene	**<0.19**	ug/L	0.62	0.19	1		11/15/18 16:33	75-35-4	
cis-1,2-Dichloroethene	**<0.14**	ug/L	0.46	0.14	1		11/15/18 16:33	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: BOB'S AUTO
Pace Project No.: 40179560

Sample: TONY DEPOT **Lab ID: 40179560017** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2								
trans-1,2-Dichloroethene	**<0.18**	ug/L	0.59	0.18	1		11/15/18 16:33	156-60-5	
1,2-Dichloropropane	**<0.19**	ug/L	0.64	0.19	1		11/15/18 16:33	78-87-5	
1,3-Dichloropropane	**<0.11**	ug/L	0.35	0.11	1		11/15/18 16:33	142-28-9	N2
2,2-Dichloropropane	**<0.16**	ug/L	0.53	0.16	1		11/15/18 16:33	594-20-7	
1,1-Dichloropropene	**<0.10**	ug/L	0.35	0.10	1		11/15/18 16:33	563-58-6	
cis-1,3-Dichloropropene	**<0.21**	ug/L	0.69	0.21	1		11/15/18 16:33	10061-01-5	
trans-1,3-Dichloropropene	**<0.24**	ug/L	0.81	0.24	1		11/15/18 16:33	10061-02-6	
Ethylbenzene	**<0.11**	ug/L	0.36	0.11	1		11/15/18 16:33	100-41-4	
Hexachloro-1,3-butadiene	**<0.28**	ug/L	0.92	0.28	1		11/15/18 16:33	87-68-3	
Isopropylbenzene (Cumene)	**<0.17**	ug/L	0.57	0.17	1		11/15/18 16:33	98-82-8	
p-Isopropyltoluene	**<0.21**	ug/L	0.71	0.21	1		11/15/18 16:33	99-87-6	N2
Methylene Chloride	**<0.97**	ug/L	3.2	0.97	1		11/15/18 16:33	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	0.56	0.17	1		11/15/18 16:33	1634-04-4	
Naphthalene	**<0.18**	ug/L	0.60	0.18	1		11/15/18 16:33	91-20-3	
n-Propylbenzene	**<0.13**	ug/L	0.44	0.13	1		11/15/18 16:33	103-65-1	
Styrene	**<0.18**	ug/L	0.59	0.18	1		11/15/18 16:33	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.12**	ug/L	0.39	0.12	1		11/15/18 16:33	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	0.56	0.17	1		11/15/18 16:33	79-34-5	
Tetrachloroethene	**<0.17**	ug/L	0.56	0.17	1		11/15/18 16:33	127-18-4	
Toluene	**<0.078**	ug/L	0.26	0.078	1		11/15/18 16:33	108-88-3	
1,2,3-Trichlorobenzene	**<0.25**	ug/L	0.83	0.25	1		11/15/18 16:33	87-61-6	
1,2,4-Trichlorobenzene	**<0.19**	ug/L	0.64	0.19	1		11/15/18 16:33	120-82-1	
1,1,1-Trichloroethane	**<0.19**	ug/L	0.62	0.19	1		11/15/18 16:33	71-55-6	
1,1,2-Trichloroethane	**<0.19**	ug/L	0.62	0.19	1		11/15/18 16:33	79-00-5	
Trichloroethene	**<0.12**	ug/L	0.39	0.12	1		11/15/18 16:33	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	0.70	0.21	1		11/15/18 16:33	75-69-4	
1,2,3-Trichloropropane	**<0.39**	ug/L	1.3	0.39	1		11/15/18 16:33	96-18-4	
1,2,4-Trimethylbenzene	**<0.23**	ug/L	0.76	0.23	1		11/15/18 16:33	95-63-6	
1,3,5-Trimethylbenzene	**<0.15**	ug/L	0.49	0.15	1		11/15/18 16:33	108-67-8	N2
Vinyl chloride	**<0.086**	ug/L	0.29	0.086	1		11/15/18 16:33	75-01-4	
Xylene (Total)	**<0.30**	ug/L	1.0	0.30	1		11/15/18 16:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	75-125		1		11/15/18 16:33	460-00-4	
Toluene-d8 (S)	99	%.	75-125		1		11/15/18 16:33	2037-26-5	
1,2-Dichloroethane-d4 (S)	100	%.	75-125		1		11/15/18 16:33	17060-07-0	

Sample: TONY LUMBER **Lab ID: 40179560018** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2								
Benzene	**<0.12**	ug/L	0.41	0.12	1		11/15/18 16:57	71-43-2	
Bromobenzene	**<0.23**	ug/L	0.76	0.23	1		11/15/18 16:57	108-86-1	
Bromochloromethane	**<0.30**	ug/L	0.99	0.30	1		11/15/18 16:57	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOB'S AUTO
Pace Project No.: 40179560

Sample: TONY LUMBER **Lab ID: 40179560018** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2								
Bromodichloromethane	**<0.15**	ug/L	0.50	0.15	1		11/15/18 16:57	75-27-4	
Bromoform	**<0.86**	ug/L	2.9	0.86	1		11/15/18 16:57	75-25-2	
Bromomethane	**<0.62**	ug/L	2.1	0.62	1		11/15/18 16:57	74-83-9	
n-Butylbenzene	**<0.14**	ug/L	0.47	0.14	1		11/15/18 16:57	104-51-8	
sec-Butylbenzene	**<0.20**	ug/L	0.68	0.20	1		11/15/18 16:57	135-98-8	
tert-Butylbenzene	**<0.14**	ug/L	0.46	0.14	1		11/15/18 16:57	98-06-6	
Carbon tetrachloride	**<0.20**	ug/L	0.67	0.20	1		11/15/18 16:57	56-23-5	
Chlorobenzene	**<0.12**	ug/L	0.40	0.12	1		11/15/18 16:57	108-90-7	
Chloroethane	**<0.14**	ug/L	0.47	0.14	1		11/15/18 16:57	75-00-3	
Chloroform	**<0.31**	ug/L	1.0	0.31	1		11/15/18 16:57	67-66-3	
Chloromethane	**<0.15**	ug/L	0.51	0.15	1		11/15/18 16:57	74-87-3	
2-Chlorotoluene	**<0.086**	ug/L	0.29	0.086	1		11/15/18 16:57	95-49-8	
4-Chlorotoluene	**<0.093**	ug/L	0.31	0.093	1		11/15/18 16:57	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	6.5	2.0	1		11/15/18 16:57	96-12-8	N2
Dibromochloromethane	**<0.24**	ug/L	0.81	0.24	1		11/15/18 16:57	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	0.57	0.17	1		11/15/18 16:57	106-93-4	N2
Dibromomethane	**<0.23**	ug/L	0.76	0.23	1		11/15/18 16:57	74-95-3	
1,2-Dichlorobenzene	**<0.18**	ug/L	0.58	0.18	1		11/15/18 16:57	95-50-1	
1,3-Dichlorobenzene	**<0.14**	ug/L	0.46	0.14	1		11/15/18 16:57	541-73-1	
1,4-Dichlorobenzene	**<0.086**	ug/L	0.29	0.086	1		11/15/18 16:57	106-46-7	
Dichlorodifluoromethane	**<0.26**	ug/L	0.87	0.26	1		11/15/18 16:57	75-71-8	
1,1-Dichloroethane	**<0.16**	ug/L	0.55	0.16	1		11/15/18 16:57	75-34-3	
1,2-Dichloroethane	**<0.13**	ug/L	0.45	0.13	1		11/15/18 16:57	107-06-2	
1,1-Dichloroethene	**<0.19**	ug/L	0.62	0.19	1		11/15/18 16:57	75-35-4	
cis-1,2-Dichloroethene	**<0.14**	ug/L	0.46	0.14	1		11/15/18 16:57	156-59-2	
trans-1,2-Dichloroethene	**<0.18**	ug/L	0.59	0.18	1		11/15/18 16:57	156-60-5	
1,2-Dichloropropane	**<0.19**	ug/L	0.64	0.19	1		11/15/18 16:57	78-87-5	
1,3-Dichloropropane	**<0.11**	ug/L	0.35	0.11	1		11/15/18 16:57	142-28-9	N2
2,2-Dichloropropane	**<0.16**	ug/L	0.53	0.16	1		11/15/18 16:57	594-20-7	
1,1-Dichloropropene	**<0.10**	ug/L	0.35	0.10	1		11/15/18 16:57	563-58-6	
cis-1,3-Dichloropropene	**<0.21**	ug/L	0.69	0.21	1		11/15/18 16:57	10061-01-5	
trans-1,3-Dichloropropene	**<0.24**	ug/L	0.81	0.24	1		11/15/18 16:57	10061-02-6	
Ethylbenzene	**<0.11**	ug/L	0.36	0.11	1		11/15/18 16:57	100-41-4	
Hexachloro-1,3-butadiene	**<0.28**	ug/L	0.92	0.28	1		11/15/18 16:57	87-68-3	
Isopropylbenzene (Cumene)	**<0.17**	ug/L	0.57	0.17	1		11/15/18 16:57	98-82-8	
p-Isopropyltoluene	**<0.21**	ug/L	0.71	0.21	1		11/15/18 16:57	99-87-6	N2
Methylene Chloride	**<0.97**	ug/L	3.2	0.97	1		11/15/18 16:57	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	0.56	0.17	1		11/15/18 16:57	1634-04-4	
Naphthalene	**<0.18**	ug/L	0.60	0.18	1		11/15/18 16:57	91-20-3	
n-Propylbenzene	**<0.13**	ug/L	0.44	0.13	1		11/15/18 16:57	103-65-1	
Styrene	**<0.18**	ug/L	0.59	0.18	1		11/15/18 16:57	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.12**	ug/L	0.39	0.12	1		11/15/18 16:57	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	0.56	0.17	1		11/15/18 16:57	79-34-5	
Tetrachloroethene	**0.55J**	ug/L	0.56	0.17	1		11/15/18 16:57	127-18-4	
Toluene	**<0.078**	ug/L	0.26	0.078	1		11/15/18 16:57	108-88-3	
1,2,3-Trichlorobenzene	**<0.25**	ug/L	0.83	0.25	1		11/15/18 16:57	87-61-6	

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: BOB'S AUTO
Pace Project No.: 40179560

Sample: TONY LUMBER **Lab ID: 40179560018** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2								
1,2,4-Trichlorobenzene	**<0.19**	ug/L	0.64	0.19	1		11/15/18 16:57	120-82-1	
1,1,1-Trichloroethane	**<0.19**	ug/L	0.62	0.19	1		11/15/18 16:57	71-55-6	
1,1,2-Trichloroethane	**<0.19**	ug/L	0.62	0.19	1		11/15/18 16:57	79-00-5	
Trichloroethene	**0.31J**	ug/L	0.39	0.12	1		11/15/18 16:57	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	0.70	0.21	1		11/15/18 16:57	75-69-4	
1,2,3-Trichloropropane	**<0.39**	ug/L	1.3	0.39	1		11/15/18 16:57	96-18-4	
1,2,4-Trimethylbenzene	**<0.23**	ug/L	0.76	0.23	1		11/15/18 16:57	95-63-6	
1,3,5-Trimethylbenzene	**<0.15**	ug/L	0.49	0.15	1		11/15/18 16:57	108-67-8	N2
Vinyl chloride	**<0.086**	ug/L	0.29	0.086	1		11/15/18 16:57	75-01-4	
Xylene (Total)	**<0.30**	ug/L	1.0	0.30	1		11/15/18 16:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	75-125		1		11/15/18 16:57	460-00-4	
Toluene-d8 (S)	100	%.	75-125		1		11/15/18 16:57	2037-26-5	
1,2-Dichloroethane-d4 (S)	101	%.	75-125		1		11/15/18 16:57	17060-07-0	

Sample: TRIP BLANK **Lab ID: 40179560019** Collected: 11/08/18 00:00 Received: 11/13/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.31**	ug/L	1.0	0.31	1		11/15/18 19:37	71-43-2	
Ethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/15/18 19:37	100-41-4	
Methyl-tert-butyl ether	**<0.32**	ug/L	1.1	0.32	1		11/15/18 19:37	1634-04-4	
Naphthalene	**<0.51**	ug/L	1.7	0.51	1		11/15/18 19:37	91-20-3	
Toluene	**<0.49**	ug/L	1.6	0.49	1		11/15/18 19:37	108-88-3	
1,2,4-Trimethylbenzene	**<0.34**	ug/L	1.1	0.34	1		11/15/18 19:37	95-63-6	
1,3,5-Trimethylbenzene	**<0.33**	ug/L	1.1	0.33	1		11/15/18 19:37	108-67-8	
Xylene (Total)	**<0.97**	ug/L	3.2	0.97	1		11/15/18 19:37	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		11/15/18 19:37	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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QUALITY CONTROL DATA

Project: BOB'S AUTO
Pace Project No.: 40179560

QC Batch: 306479 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40179560001, 40179560002, 40179560003, 40179560004, 40179560005, 40179560006, 40179560007, 40179560008, 40179560009, 40179560010, 40179560011, 40179560012, 40179560013, 40179560014, 40179560015

METHOD BLANK: 1792468 Matrix: Water
Associated Lab Samples: 40179560001, 40179560002, 40179560003, 40179560004, 40179560005, 40179560006, 40179560007, 40179560008, 40179560009, 40179560010, 40179560011, 40179560012, 40179560013, 40179560014, 40179560015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.34	1.1	11/14/18 08:25	
1,3,5-Trimethylbenzene	ug/L	<0.33	1.1	11/14/18 08:25	
Benzene	ug/L	<0.31	1.0	11/14/18 08:25	
Ethylbenzene	ug/L	<0.33	1.1	11/14/18 08:25	
Methyl-tert-butyl ether	ug/L	<0.32	1.1	11/14/18 08:25	
Naphthalene	ug/L	<0.51	1.7	11/14/18 08:25	
Toluene	ug/L	<0.49	1.6	11/14/18 08:25	
Xylene (Total)	ug/L	<0.97	3.2	11/14/18 08:25	
a,a,a-Trifluorotoluene (S)	%	108	80-120	11/14/18 08:25	

LABORATORY CONTROL SAMPLE & LCSD: 1792469 1792470

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.7	21.2	104	106	80-120	2	20	
1,3,5-Trimethylbenzene	ug/L	20	20.6	21.2	103	106	80-120	3	20	
Benzene	ug/L	20	20.8	20.9	104	104	80-120	0	20	
Ethylbenzene	ug/L	20	21.6	21.7	108	109	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	19.3	19.8	96	99	80-120	3	20	
Naphthalene	ug/L	20	18.3	19.3	92	97	80-120	5	20	
Toluene	ug/L	20	21.2	21.6	106	108	80-120	2	20	
Xylene (Total)	ug/L	60	63.0	63.3	105	106	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				106	108	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1792749 1792750

Parameter	Units	40179560004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	<0.34	20	20	21.3	19.8	107	99	51-160	7	20	
1,3,5-Trimethylbenzene	ug/L	<0.33	20	20	21.0	18.9	105	95	56-146	11	20	
Benzene	ug/L	<0.31	20	20	22.4	22.7	112	113	71-137	1	20	
Ethylbenzene	ug/L	<0.33	20	20	23.1	23.2	116	116	71-141	1	20	
Methyl-tert-butyl ether	ug/L	<0.32	20	20	20.3	20.6	101	103	80-120	2	20	
Naphthalene	ug/L	<0.51	20	20	19.5	19.3	97	96	67-138	1	20	
Toluene	ug/L	<0.49	20	20	22.8	22.9	114	115	76-134	1	20	
Xylene (Total)	ug/L	<0.97	60	60	66.3	65.1	110	109	69-138	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: BOB'S AUTO
Pace Project No.: 40179560

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1792749 1792750

Parameter	Units	40179560004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
a,a,a-Trifluorotoluene (S)	%						106	106	80-120			

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REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: BOB'S AUTO
Pace Project No.: 40179560

QC Batch: 306659 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40179560016, 40179560019

METHOD BLANK: 1793455 Matrix: Water
Associated Lab Samples: 40179560016, 40179560019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.34	1.1	11/15/18 08:52	
1,3,5-Trimethylbenzene	ug/L	<0.33	1.1	11/15/18 08:52	
Benzene	ug/L	<0.31	1.0	11/15/18 08:52	
Ethylbenzene	ug/L	<0.33	1.1	11/15/18 08:52	
Methyl-tert-butyl ether	ug/L	<0.32	1.1	11/15/18 08:52	
Naphthalene	ug/L	<0.51	1.7	11/15/18 08:52	
Toluene	ug/L	<0.49	1.6	11/15/18 08:52	
Xylene (Total)	ug/L	<0.97	3.2	11/15/18 08:52	
a,a,a-Trifluorotoluene (S)	%	101	80-120	11/15/18 08:52	

LABORATORY CONTROL SAMPLE & LCSD: 1793456 1793457

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	21.3	21.8	107	109	80-120	2	20	
1,3,5-Trimethylbenzene	ug/L	20	21.0	21.1	105	106	80-120	1	20	
Benzene	ug/L	20	21.1	21.0	105	105	80-120	0	20	
Ethylbenzene	ug/L	20	21.1	21.1	106	106	80-120	0	20	
Methyl-tert-butyl ether	ug/L	20	19.4	19.9	97	99	80-120	2	20	
Naphthalene	ug/L	20	20.2	21.1	101	105	80-120	4	20	
Toluene	ug/L	20	20.8	20.8	104	104	80-120	0	20	
Xylene (Total)	ug/L	60	62.4	62.5	104	104	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				99	100	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1793776 1793777

Parameter	Units	40179560016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	<0.34	20	20	22.2	21.7	111	108	51-160	2	20	
1,3,5-Trimethylbenzene	ug/L	<0.33	20	20	21.2	20.1	106	101	56-146	5	20	
Benzene	ug/L	<0.31	20	20	22.6	22.4	113	112	71-137	1	20	
Ethylbenzene	ug/L	<0.33	20	20	22.6	22.5	113	112	71-141	1	20	
Methyl-tert-butyl ether	ug/L	<0.32	20	20	20.3	20.5	102	103	80-120	1	20	
Naphthalene	ug/L	<0.51	20	20	20.5	21.7	103	109	67-138	6	20	
Toluene	ug/L	<0.49	20	20	22.0	22.0	110	110	76-134	0	20	
Xylene (Total)	ug/L	<0.97	60	60	65.8	64.5	110	107	69-138	2	20	
a,a,a-Trifluorotoluene (S)	%						99	100	80-120			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: BOB'S AUTO
Pace Project No.: 40179560

QC Batch: 575445 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 40179560017, 40179560018

METHOD BLANK: 3123196 Matrix: Water
Associated Lab Samples: 40179560017, 40179560018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.12	0.39	11/15/18 12:57	
1,1,1-Trichloroethane	ug/L	<0.19	0.62	11/15/18 12:57	
1,1,2,2-Tetrachloroethane	ug/L	<0.17	0.56	11/15/18 12:57	
1,1,2-Trichloroethane	ug/L	<0.19	0.62	11/15/18 12:57	MN
1,1-Dichloroethane	ug/L	<0.16	0.55	11/15/18 12:57	
1,1-Dichloroethene	ug/L	<0.19	0.62	11/15/18 12:57	
1,1-Dichloropropene	ug/L	<0.10	0.35	11/15/18 12:57	
1,2,3-Trichlorobenzene	ug/L	<0.25	0.83	11/15/18 12:57	
1,2,3-Trichloropropane	ug/L	<0.39	1.3	11/15/18 12:57	
1,2,4-Trichlorobenzene	ug/L	<0.19	0.64	11/15/18 12:57	
1,2,4-Trimethylbenzene	ug/L	<0.23	0.76	11/15/18 12:57	
1,2-Dibromo-3-chloropropane	ug/L	<2.0	6.5	11/15/18 12:57	N2
1,2-Dibromoethane (EDB)	ug/L	<0.17	0.57	11/15/18 12:57	N2
1,2-Dichlorobenzene	ug/L	<0.18	0.58	11/15/18 12:57	
1,2-Dichloroethane	ug/L	<0.13	0.45	11/15/18 12:57	MN
1,2-Dichloropropane	ug/L	<0.19	0.64	11/15/18 12:57	
1,3,5-Trimethylbenzene	ug/L	<0.15	0.49	11/15/18 12:57	N2
1,3-Dichlorobenzene	ug/L	<0.14	0.46	11/15/18 12:57	
1,3-Dichloropropane	ug/L	<0.11	0.35	11/15/18 12:57	N2
1,4-Dichlorobenzene	ug/L	<0.086	0.29	11/15/18 12:57	
2,2-Dichloropropane	ug/L	<0.16	0.53	11/15/18 12:57	
2-Chlorotoluene	ug/L	<0.086	0.29	11/15/18 12:57	
4-Chlorotoluene	ug/L	<0.093	0.31	11/15/18 12:57	
Benzene	ug/L	<0.12	0.41	11/15/18 12:57	
Bromobenzene	ug/L	<0.23	0.76	11/15/18 12:57	
Bromochloromethane	ug/L	<0.30	0.99	11/15/18 12:57	
Bromodichloromethane	ug/L	<0.15	0.50	11/15/18 12:57	
Bromoform	ug/L	<0.86	2.9	11/15/18 12:57	
Bromomethane	ug/L	<0.62	2.1	11/15/18 12:57	
Carbon tetrachloride	ug/L	<0.20	0.67	11/15/18 12:57	
Chlorobenzene	ug/L	<0.12	0.40	11/15/18 12:57	
Chloroethane	ug/L	<0.14	0.47	11/15/18 12:57	
Chloroform	ug/L	<0.31	1.0	11/15/18 12:57	
Chloromethane	ug/L	<0.15	0.51	11/15/18 12:57	
cis-1,2-Dichloroethene	ug/L	<0.14	0.46	11/15/18 12:57	MN
cis-1,3-Dichloropropene	ug/L	<0.21	0.69	11/15/18 12:57	
Dibromochloromethane	ug/L	<0.24	0.81	11/15/18 12:57	
Dibromomethane	ug/L	<0.23	0.76	11/15/18 12:57	
Dichlorodifluoromethane	ug/L	<0.26	0.87	11/15/18 12:57	
Ethylbenzene	ug/L	<0.11	0.36	11/15/18 12:57	
Hexachloro-1,3-butadiene	ug/L	<0.28	0.92	11/15/18 12:57	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: BOB'S AUTO
Pace Project No.: 40179560

METHOD BLANK: 3123196 Matrix: Water
Associated Lab Samples: 40179560017, 40179560018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	ug/L	<0.17	0.57	11/15/18 12:57	
Methyl-tert-butyl ether	ug/L	<0.17	0.56	11/15/18 12:57	
Methylene Chloride	ug/L	<0.97	3.2	11/15/18 12:57	
n-Butylbenzene	ug/L	<0.14	0.47	11/15/18 12:57	
n-Propylbenzene	ug/L	<0.13	0.44	11/15/18 12:57	
Naphthalene	ug/L	<0.18	0.60	11/15/18 12:57	
p-Isopropyltoluene	ug/L	<0.21	0.71	11/15/18 12:57	N2
sec-Butylbenzene	ug/L	<0.20	0.68	11/15/18 12:57	
Styrene	ug/L	<0.18	0.59	11/15/18 12:57	
tert-Butylbenzene	ug/L	<0.14	0.46	11/15/18 12:57	
Tetrachloroethene	ug/L	<0.17	0.56	11/15/18 12:57	
Toluene	ug/L	<0.078	0.26	11/15/18 12:57	
trans-1,2-Dichloroethene	ug/L	<0.18	0.59	11/15/18 12:57	MN
trans-1,3-Dichloropropene	ug/L	<0.24	0.81	11/15/18 12:57	
Trichloroethene	ug/L	<0.12	0.39	11/15/18 12:57	
Trichlorofluoromethane	ug/L	<0.21	0.70	11/15/18 12:57	
Vinyl chloride	ug/L	<0.086	0.29	11/15/18 12:57	
Xylene (Total)	ug/L	<0.30	1.0	11/15/18 12:57	
1,2-Dichloroethane-d4 (S)	%.	99	75-125	11/15/18 12:57	
4-Bromofluorobenzene (S)	%.	101	75-125	11/15/18 12:57	
Toluene-d8 (S)	%.	99	75-125	11/15/18 12:57	

LABORATORY CONTROL SAMPLE: 3123197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	9.9	99	70-130	
1,1,1-Trichloroethane	ug/L	10	10.2	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	9.5	95	70-130	
1,1,2-Trichloroethane	ug/L	10	9.9	99	70-130	
1,1-Dichloroethane	ug/L	10	10.2	102	70-130	
1,1-Dichloroethene	ug/L	10	10.1	101	70-130	
1,1-Dichloropropene	ug/L	10	9.8	98	70-130	
1,2,3-Trichlorobenzene	ug/L	10	10.2	102	70-130	
1,2,3-Trichloropropane	ug/L	10	9.8	98	70-130	
1,2,4-Trichlorobenzene	ug/L	10	10	100	70-130	
1,2,4-Trimethylbenzene	ug/L	10	10.3	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	25	26.2	105	70-130	N2
1,2-Dibromoethane (EDB)	ug/L	10	10.6	106	70-130	N2
1,2-Dichlorobenzene	ug/L	10	10.6	106	70-130	
1,2-Dichloroethane	ug/L	10	10.1	101	70-130	
1,2-Dichloropropane	ug/L	10	9.3	93	70-130	
1,3,5-Trimethylbenzene	ug/L	10	10.1	101	70-130	N2
1,3-Dichlorobenzene	ug/L	10	10.0	100	70-130	
1,3-Dichloropropane	ug/L	10	10.4	104	70-130	N2

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: BOB'S AUTO
Pace Project No.: 40179560

LABORATORY CONTROL SAMPLE: 3123197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	10.4	104	70-130	
2,2-Dichloropropane	ug/L	10	9.9	99	70-130	
2-Chlorotoluene	ug/L	10	10.3	103	70-130	
4-Chlorotoluene	ug/L	10	10.5	105	70-130	
Benzene	ug/L	10	10.4	104	70-130	
Bromobenzene	ug/L	10	10.7	107	70-130	
Bromochloromethane	ug/L	10	10.8	108	70-130	
Bromodichloromethane	ug/L	10	9.5	95	70-130	
Bromoform	ug/L	10	10.2	102	70-130	
Bromomethane	ug/L	10	10.4	104	70-130	
Carbon tetrachloride	ug/L	10	9.5	95	70-130	
Chlorobenzene	ug/L	10	10.5	105	70-130	
Chloroethane	ug/L	10	12.4	124	70-130	
Chloroform	ug/L	10	10.1	101	70-130	
Chloromethane	ug/L	10	10.6	106	70-130	
cis-1,2-Dichloroethene	ug/L	10	10.3	103	70-130	
cis-1,3-Dichloropropene	ug/L	10	10.4	104	70-130	
Dibromochloromethane	ug/L	10	10.1	101	70-130	
Dibromomethane	ug/L	10	10.2	102	70-130	
Dichlorodifluoromethane	ug/L	10	8.4	84	70-130	
Ethylbenzene	ug/L	10	10.8	108	70-130	
Hexachloro-1,3-butadiene	ug/L	10	10	100	70-130	
Isopropylbenzene (Cumene)	ug/L	10	10.6	106	70-130	
Methyl-tert-butyl ether	ug/L	10	10	100	70-130	
Methylene Chloride	ug/L	10	10.2	102	70-130	
n-Butylbenzene	ug/L	10	10.2	102	70-130	
n-Propylbenzene	ug/L	10	10.5	105	70-130	
Naphthalene	ug/L	10	9.8	98	70-130	
p-Isopropyltoluene	ug/L	10	10.8	108	70-130	N2
sec-Butylbenzene	ug/L	10	10.5	105	70-130	
Styrene	ug/L	10	10.8	108	70-130	
tert-Butylbenzene	ug/L	10	10.6	106	70-130	
Tetrachloroethene	ug/L	10	10.1	101	70-130	
Toluene	ug/L	10	9.6	96	70-130	
trans-1,2-Dichloroethene	ug/L	10	10.2	102	70-130	
trans-1,3-Dichloropropene	ug/L	10	9.9	99	70-130	
Trichloroethene	ug/L	10	10.3	103	70-130	
Trichlorofluoromethane	ug/L	10	10.1	101	70-130	
Vinyl chloride	ug/L	10	9.8	98	70-130	
Xylene (Total)	ug/L	30	31.8	106	70-130	
1,2-Dichloroethane-d4 (S)	%.			100	75-125	
4-Bromofluorobenzene (S)	%.			99	75-125	
Toluene-d8 (S)	%.			99	75-125	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: BOB'S AUTO
Pace Project No.: 40179560

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3124788 3124789

Parameter	Units	10455440001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	10	10	9.5	8.8	95	88	70-130	8	20	
1,1,1-Trichloroethane	ug/L	ND	10	10	10.3	9.6	103	96	70-130	7	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	10	10	8.8	8.3	88	83	70-130	5	20	
1,1,2-Trichloroethane	ug/L	ND	10	10	9.2	8.6	92	86	70-130	6	20	
1,1-Dichloroethane	ug/L	ND	10	10	9.8	9.4	98	94	70-130	4	20	
1,1-Dichloroethene	ug/L	ND	10	10	9.7	9.4	97	94	70-130	3	20	
1,1-Dichloropropene	ug/L	ND	10	10	10	9.6	100	96	70-130	4	20	
1,2,3-Trichlorobenzene	ug/L	ND	10	10	9.0	8.4	90	84	70-130	7	20	
1,2,3-Trichloropropane	ug/L	ND	10	10	9.4	8.8	94	88	70-130	6	20	
1,2,4-Trichlorobenzene	ug/L	ND	10	10	8.9	8.3	89	83	70-130	7	20	
1,2,4-Trimethylbenzene	ug/L	ND	10	10	9.7	9.3	97	93	70-130	5	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	25	25	24.1	22.4	96	89	70-130	7	20	N2
1,2-Dibromoethane (EDB)	ug/L	ND	10	10	9.4	8.8	94	88	70-130	7	20	N2
1,2-Dichlorobenzene	ug/L	ND	10	10	9.5	9.1	95	91	70-130	4	20	
1,2-Dichloroethane	ug/L	ND	10	10	9.3	9.0	93	90	70-130	3	20	
1,2-Dichloropropane	ug/L	ND	10	10	9.1	8.4	91	84	70-130	8	20	
1,3,5-Trimethylbenzene	ug/L	ND	10	10	9.6	9.3	96	93	70-130	3	20	N2
1,3-Dichlorobenzene	ug/L	ND	10	10	9.4	8.9	94	89	70-130	6	20	
1,3-Dichloropropane	ug/L	ND	10	10	9.5	9.0	95	90	70-130	5	20	N2
1,4-Dichlorobenzene	ug/L	ND	10	10	9.5	9.2	95	92	70-130	3	20	
2,2-Dichloropropane	ug/L	ND	10	10	9.4	8.9	94	89	70-130	6	20	
2-Chlorotoluene	ug/L	ND	10	10	9.8	9.3	98	93	70-130	6	20	
4-Chlorotoluene	ug/L	ND	10	10	9.8	9.2	98	92	70-130	6	20	
Benzene	ug/L	ND	10	10	9.8	9.4	98	94	70-130	4	20	
Bromobenzene	ug/L	ND	10	10	9.8	9.3	98	93	70-130	5	20	
Bromochloromethane	ug/L	ND	10	10	9.9	9.3	99	93	70-130	6	20	
Bromodichloromethane	ug/L	ND	10	10	9.4	8.2	94	82	70-130	14	20	
Bromoform	ug/L	ND	10	10	9.1	8.5	91	85	70-130	7	20	
Bromomethane	ug/L	ND	10	10	7.4	8.1	74	81	70-130	9	20	
Carbon tetrachloride	ug/L	ND	10	10	9.5	9.0	95	90	70-130	5	20	
Chlorobenzene	ug/L	ND	10	10	10.1	9.5	101	95	70-130	6	20	
Chloroethane	ug/L	ND	10	10	10.4	10.5	104	105	70-130	1	20	
Chloroform	ug/L	ND	10	10	8.8	8.8	88	88	70-130	0	20	
Chloromethane	ug/L	ND	10	10	7.4	9.4	74	94	70-130	24	20	R1
cis-1,2-Dichloroethene	ug/L	ND	10	10	9.8	9.3	98	93	70-130	5	20	
cis-1,3-Dichloropropene	ug/L	ND	10	10	9.6	5.9	96	59	70-130	47	20	M1,R1
Dibromochloromethane	ug/L	ND	10	10	9.5	8.7	95	87	70-130	9	20	
Dibromomethane	ug/L	ND	10	10	9.4	8.7	94	87	70-130	7	20	
Dichlorodifluoromethane	ug/L	ND	10	10	8.4	8.5	84	85	70-130	1	20	
Ethylbenzene	ug/L	ND	10	10	10.2	9.8	102	98	70-130	4	20	
Hexachloro-1,3-butadiene	ug/L	ND	10	10	8.9	8.3	89	83	70-130	7	20	
Isopropylbenzene (Cumene)	ug/L	ND	10	10	10.4	9.7	104	97	70-130	7	20	
Methyl-tert-butyl ether	ug/L	ND	10	10	9.4	8.6	94	86	70-130	9	20	
Methylene Chloride	ug/L	ND	10	10	9.0	8.4	90	84	70-130	7	20	
n-Butylbenzene	ug/L	ND	10	10	9.7	9.2	97	92	70-130	5	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: BOB'S AUTO
Pace Project No.: 40179560

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3124788 3124789

Parameter	Units	10455440001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
n-Propylbenzene	ug/L	ND	10	10	10	9.6	100	96	70-130	3	20	
Naphthalene	ug/L	ND	10	10	9.2	8.6	92	86	70-130	6	20	
p-Isopropyltoluene	ug/L	ND	10	10	9.9	9.7	99	97	70-130	2	20	N2
sec-Butylbenzene	ug/L	ND	10	10	10.1	9.7	101	97	70-130	5	20	
Styrene	ug/L	ND	10	10	9.4	8.7	94	87	70-130	8	20	
tert-Butylbenzene	ug/L	ND	10	10	10.3	9.8	103	98	70-130	5	20	
Tetrachloroethene	ug/L	ND	10	10	10.2	9.6	102	96	70-130	7	20	
Toluene	ug/L	ND	10	10	9.3	8.8	93	88	70-130	6	20	
trans-1,2-Dichloroethene	ug/L	ND	10	10	9.7	9.7	97	97	70-130	1	20	
trans-1,3-Dichloropropene	ug/L	ND	10	10	9.3	8.6	93	86	70-130	7	20	
Trichloroethene	ug/L	ND	10	10	10	9.5	100	95	70-130	5	20	
Trichlorofluoromethane	ug/L	ND	10	10	9.5	9.8	95	98	70-130	3	20	
Vinyl chloride	ug/L	ND	10	10	9.4	9.4	94	94	70-130	0	20	
Xylene (Total)	ug/L	ND	30	30	29.9	28.2	100	94	70-130	6	20	
1,2-Dichloroethane-d4 (S)	%.						99	100	75-125			
4-Bromofluorobenzene (S)	%.						100	100	75-125			
Toluene-d8 (S)	%.						100	101	75-125			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: BOB'S AUTO
Pace Project No.: 40179560

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay
PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MN	The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOB'S AUTO
Pace Project No.: 40179560

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40179560001	**MW-1**	WI MOD GRO	306479		
40179560002	**MW-2R**	WI MOD GRO	306479		
40179560003	**MW-3R**	WI MOD GRO	306479		
40179560004	**MW-5**	WI MOD GRO	306479		
40179560005	**MW-6**	WI MOD GRO	306479		
40179560006	**MW-7**	WI MOD GRO	306479		
40179560007	**MW-8**	WI MOD GRO	306479		
40179560008	**MW-9**	WI MOD GRO	306479		
40179560009	**MW-10**	WI MOD GRO	306479		
40179560010	**MW-11**	WI MOD GRO	306479		
40179560011	**MW-12A**	WI MOD GRO	306479		
40179560012	**MW-12B**	WI MOD GRO	306479		
40179560013	**MW-13A**	WI MOD GRO	306479		
40179560014	**MW-13B**	WI MOD GRO	306479		
40179560015	**MW-14**	WI MOD GRO	306479		
40179560016	**P-2**	WI MOD GRO	306659		
40179560019	**TRIP BLANK**	WI MOD GRO	306659		
40179560017	**TONY DEPOT**	EPA 524.2	575445		
40179560018	**TONY LUMBER**	EPA 524.2	575445		

40179560

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Meridian Env Co LLC
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	715 832 6608
Project Number:	
Project Name:	Bob's Auto
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Ken Shimko
Mail To Company:	Meridian
Mail To Address:	2711 N. Black Rd Fall Creek, WI 54742
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: FILTERED? (YES/NO)	Analyses Requested: PRESERVATION (CODE)*	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter	VOC + Naph		
001	MW-1	11/8		GW		X			
002	-2R								
003	-3R								
004	-5								
005	-6								
006	-7								
007	-8								
008	-9								
009	-10								
010	-11								
011	-12A								
012	-12B								

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	11/12/18	Fed Ex	11/12/18
Fedex	11/13/18 0920		11/13/18 0920

PACE Project No.
40179560

Receipt Temp = RDJ °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

40179560

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Meridian Env Co LLC
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	~~(715)~~ 715-832-6608
Project Number:	
Project Name:	Bob's Auto
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Ken Shimko
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, W = Water, B = Biota, DW = Drinking Water, C = Charcoal, GW = Ground Water, O = Oil, SW = Surface Water, S = Soil, WW = Waste Water, SI = Sludge, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	PVOC+MeyH	VOC 524.2	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
013	MW-13A	11/8		GW			X				
014	-13B						X				
015	-14						X				
016	P-2						X				
017	Tony Dept							X			
018	Tony Lumber							X			
019	① TB										

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	11/12/18	FedEx	11/12/18
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.
40179560

Receipt Temp = Rel °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / ~~Not Present~~ Intact / Not Intact

C019a(27Jun2006) ① TB added to COC by Lab DB 11/13/18

Version 6.0 06/14/06
ORIGINAL

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

Sample Preservation Receipt Form

Client Name: Meridian Project # 40179560

All containers needing preservation have been checked and noted below: □Yes □No ~~□N/A~~

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted): Initial when completed: Date/ Time:

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																		2															2.5 / 5 / 10
002																		2															2.5 / 5 / 10
003																		2															2.5 / 5 / 10
004																		2															2.5 / 5 / 10
005																		2															2.5 / 5 / 10
006																		2															2.5 / 5 / 10
007																		2															2.5 / 5 / 10
008																		2															2.5 / 5 / 10
009																		2															2.5 / 5 / 10
010																		2															2.5 / 5 / 10
011																		2															2.5 / 5 / 10
012																		2															2.5 / 5 / 10
013																		2															2.5 / 5 / 10
014																		2															2.5 / 5 / 10
015																		2															2.5 / 5 / 10
016																		2															2.5 / 5 / 10
017																										3							2.5 / 5 / 10
018																										3							2.5 / 5 / 10
019																		2															2.5 / 5 / 10
020																																	2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : □Yes □No □N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	40ml vial clear ascorbic

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: **WO#: 40179560**

40179560

Client Name: Meridian

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other:

Tracking #: 783722601980

Custody Seal on Cooler/Box Present: ☐ yes ☐ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☐ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - NA **Type of Ice:** (Wet) Blue Dry None ☐ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: /Corr: RO

Temp Blank Present: ☐ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents:
Date: 11/13/18
Initials: CMB

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

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☒No ☐N/A	2. no times CMB 11/13/18
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☐No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☐N/A	
Containers Intact: CMB 11/13/18	☑Yes ☒No	10. 015 one vial broken Spoke CMB 11/13/18
Filtered volume received for Dissolved tests	☐Yes ☐No ☐N/A	11.
Sample Labels match COC:	☐Yes ☐No ☐N/A	12. 001 to 015 no "MW"
-Includes date/time/ID/Analysis Matrix: W		CMB 11/13/18
Trip Blank Present:	☐Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 410		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

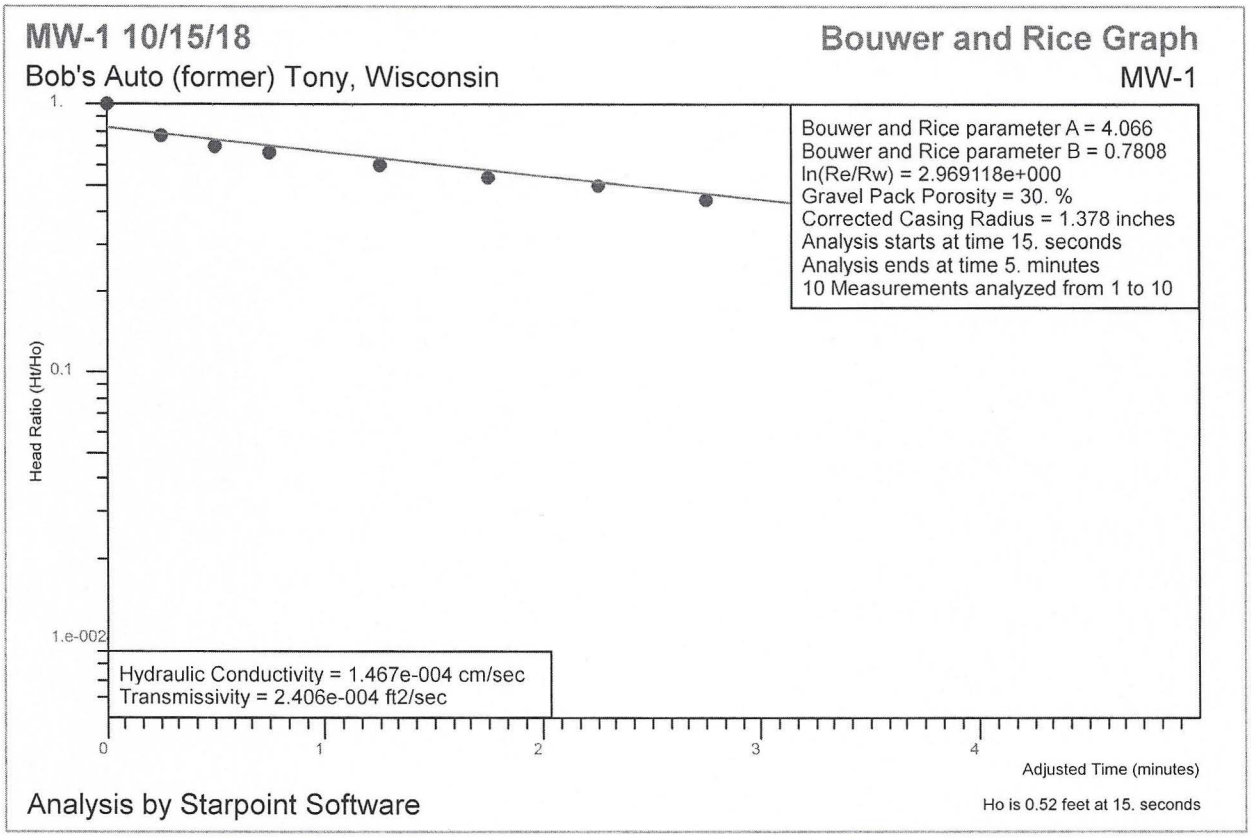
Person Contacted: Date/Time:

Comments/ Resolution: returned to empty HCl vials CMB 11/13/18

Project Manager Review: Date: 11-13-18

APPENDIX B

Hydraulic Conductivity Testing Results


MW-1 10/15/18
Bouwer and Rice Graph
Bob's Auto (former) Tony, Wisconsin
MW-1
Bouwer and Rice parameter A = 4.066
Bouwer and Rice parameter B = 0.7808
ln(Re/Rw) = 2.969118e+000
Gravel Pack Porosity = 30. %
Corrected Casing Radius = 1.378 inches
Analysis starts at time 15. seconds
Analysis ends at time 5. minutes
10 Measurements analyzed from 1 to 10
Head Ratio (Ht/Ho)
1.
0.1
1.e-002
Hydraulic Conductivity = 1.467e-004 cm/sec
Transmissivity = 2.406e-004 ft2/sec
0
1
2
3
4
Adjusted Time (minutes)
Analysis by Starpoint Software
Ho is 0.52 feet at 15. seconds

Bouwer and Rice Automatic Parameter Estimation

MW-1

Site Name:	Bob's Auto (former)
Location:	Tony, Wisconsin
Test Date:	10/15/18

Well Label:	MW-1
Aquifer Thickness:	50. feet
Screen Length:	15. feet
Casing Radius:	1. inches
Effective Radius:	2. inches
Gravel Pack Porosity:	30. %
Corrected Casing Radius:	1.378 inches
Bouwer and Rice Parameter A	4.066
Bouwer and Rice Parameter B	0.7808
Radius of Influence of Test	3.246 feet

Trial	Adjusted Time (minutes)	Head (feet)	Head Ratio	Hyd. Con. (cm/sec)	Flow to Well (meters3/day)
1	0.	0.52	1.	--	
2	0.25	0.4	0.7692	7.056e-004	0.7191
3	0.5	0.37	0.7115	4.576e-004	0.4314
4	0.75	0.35	0.6731	3.549e-004	0.3165
5	1.25	0.31	0.5962	2.782e-004	0.2198
6	1.75	0.28	0.5385	2.378e-004	0.1697
7	2.25	0.26	0.5	2.071e-004	0.1372
8	2.75	0.23	0.4423	1.994e-004	0.1169
9	3.75	0.2	0.3846	1.713e-004	8.73e-002
10	4.75	0.17	0.3269	1.583e-004	6.855e-002

Arithmetic Means:

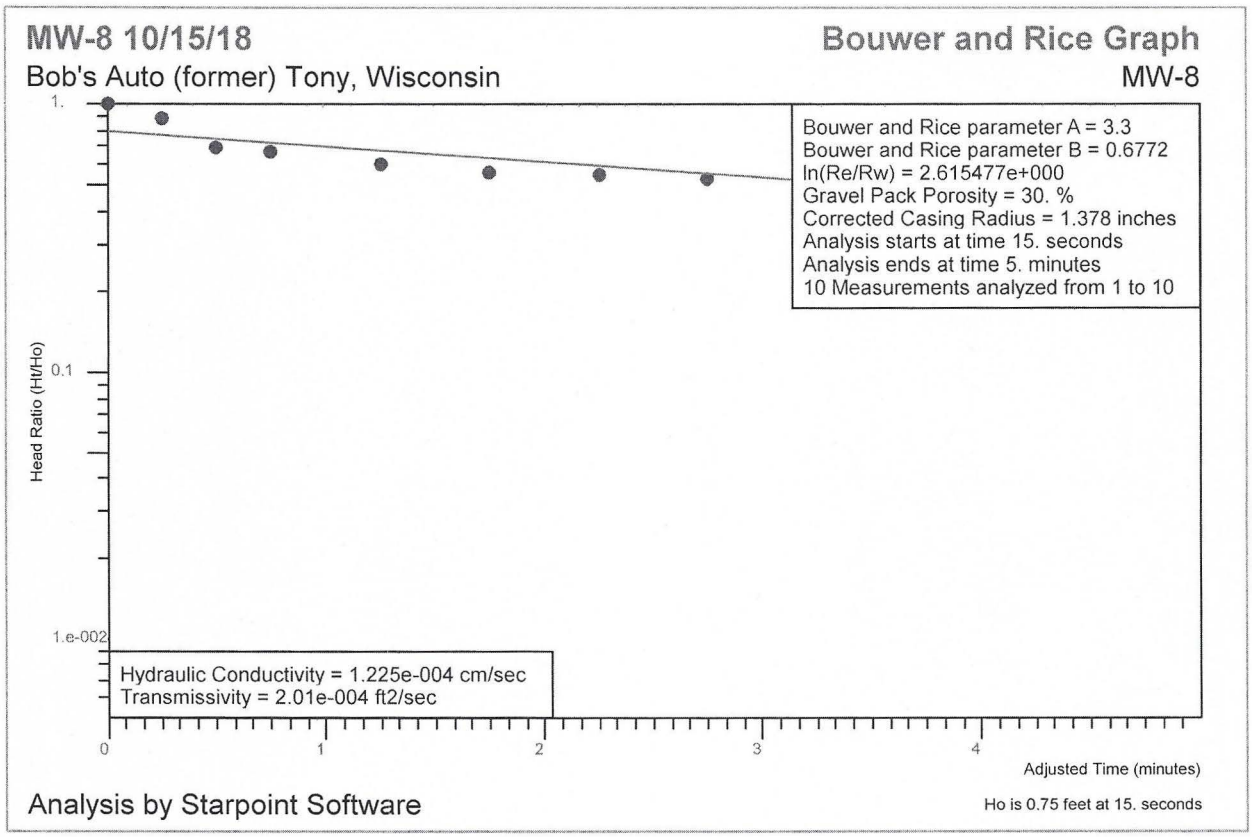
Hydraulic Conductivity	3.078e-004 cm/sec
Transmissivity	5.049e-004 ft2/sec

Geometric Means:

Hydraulic Conductivity	2.733e-004 cm/sec
Transmissivity	4.482e-004 ft2/sec

Sensitivity Analysis:

Hydraulic Conductivity	2.157e-004 cm/sec
Transmissivity	3.538e-004 ft2/sec


MW-8 10/15/18
Bouwer and Rice Graph
Bob's Auto (former) Tony, Wisconsin
MW-8
Bouwer and Rice parameter A = 3.3
Bouwer and Rice parameter B = 0.6772
ln(Re/Rw) = 2.615477e+000
Gravel Pack Porosity = 30. %
Corrected Casing Radius = 1.378 inches
Analysis starts at time 15. seconds
Analysis ends at time 5. minutes
10 Measurements analyzed from 1 to 10
Head Ratio (Hi/Ho)
1.
0.1
1.e-002
Hydraulic Conductivity = 1.225e-004 cm/sec
Transmissivity = 2.01e-004 ft2/sec
0
1
2
3
4
Adjusted Time (minutes)
Analysis by Starpoint Software
Ho is 0.75 feet at 15. seconds

Bouwer and Rice Automatic Parameter Estimation

MW-8

Site Name:	Bob's Auto (former)
Location:	Tony, Wisconsin
Test Date:	10/15/18

Well Label:	MW-8
Aquifer Thickness:	50. feet
Screen Length:	10. feet
Casing Radius:	1. inches
Effective Radius:	2. inches
Gravel Pack Porosity:	30. %
Corrected Casing Radius:	1.378 inches
Bouwer and Rice Parameter A	3.3
Bouwer and Rice Parameter B	0.6772
Radius of Influence of Test	2.279 feet

Trial	Adjusted Time (minutes)	Head (feet)	Head Ratio	Hyd. Con. (cm/sec)	Flow to Well (meters3/day)
1	0.	0.75	1.	--	
2	0.25	0.67	0.8933	3.955e-004	0.511
3	0.5	0.52	0.6933	6.421e-004	0.6438
4	0.75	0.5	0.6667	4.739e-004	0.4569
5	1.25	0.45	0.6	3.582e-004	0.3108
6	1.75	0.42	0.56	2.904e-004	0.2352
7	2.25	0.41	0.5467	2.353e-004	0.186
8	2.75	0.4	0.5333	2.004e-004	0.1546
9	3.75	0.38	0.5067	1.589e-004	0.1165
10	4.75	0.36	0.48	1.354e-004	9.403e-002

Arithmetic Means:

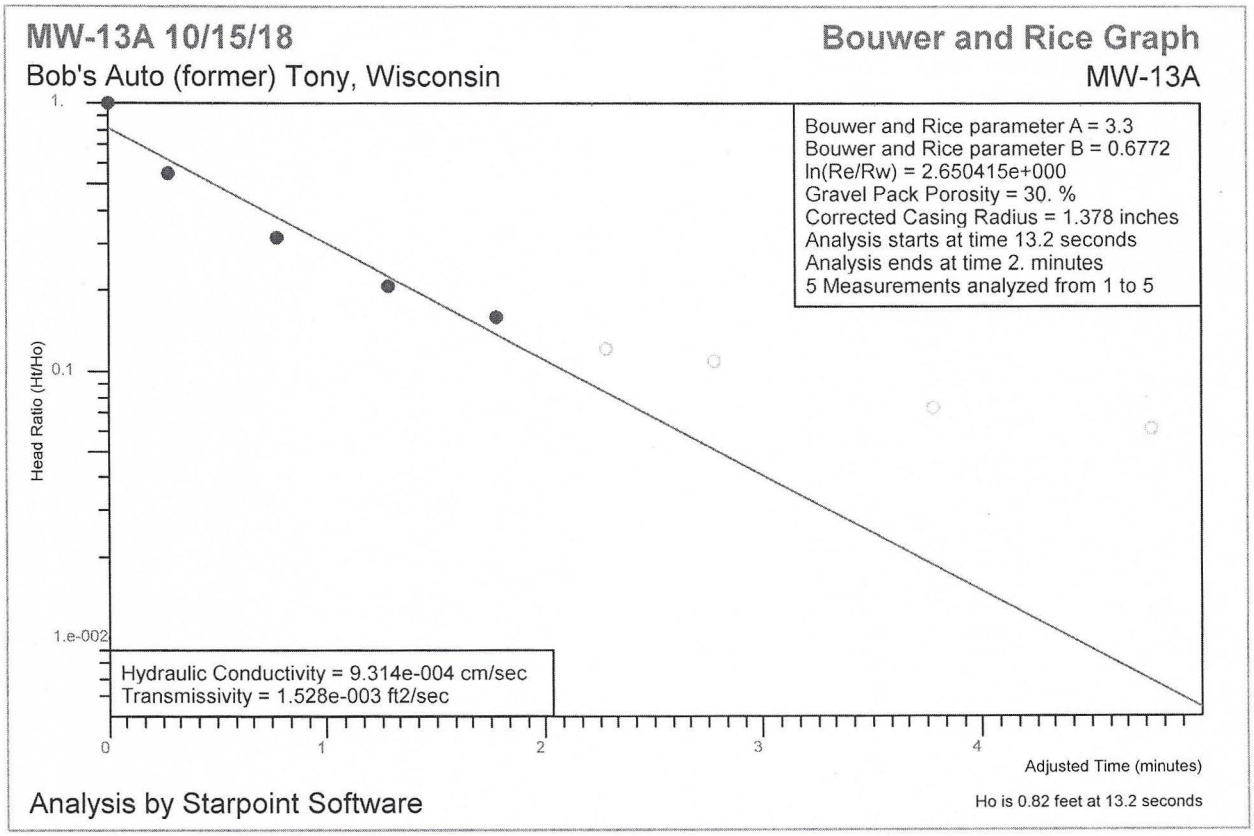
Hydraulic Conductivity	3.211e-004 cm/sec
Transmissivity	5.268e-004 ft2/sec

Geometric Means:

Hydraulic Conductivity	2.858e-004 cm/sec
Transmissivity	4.688e-004 ft2/sec

Sensitivity Analysis:

Hydraulic Conductivity	2.17e-004 cm/sec
Transmissivity	3.559e-004 ft2/sec


MW-13A 10/15/18
Bouwer and Rice Graph
Bob's Auto (former) Tony, Wisconsin
MW-13A
Bouwer and Rice parameter A = 3.3
Bouwer and Rice parameter B = 0.6772
ln(Re/Rw) = 2.650415e+000
Gravel Pack Porosity = 30. %
Corrected Casing Radius = 1.378 inches
Analysis starts at time 13.2 seconds
Analysis ends at time 2. minutes
5 Measurements analyzed from 1 to 5
Head Ratio (Ht/Ho)
1.
0.1
1.e-002
Hydraulic Conductivity = 9.314e-004 cm/sec
Transmissivity = 1.528e-003 ft2/sec
0
1
2
3
4
Adjusted Time (minutes)
Analysis by Starpoint Software
Ho is 0.82 feet at 13.2 seconds

Bouwer and Rice Automatic Parameter Estimation

MW-13A

Site Name:	Bob's Auto (former)
Location:	Tony, Wisconsin
Test Date:	10/15/18

Well Label:	MW-13A
Aquifer Thickness:	50. feet
Screen Length:	10. feet
Casing Radius:	1. inches
Effective Radius:	2. inches
Gravel Pack Porosity:	30. %
Corrected Casing Radius:	1.378 inches
Bouwer and Rice Parameter A	3.3
Bouwer and Rice Parameter B	0.6772
Radius of Influence of Test	2.36 feet

Trial	Adjusted Time (minutes)	Head (feet)	Head Ratio	Hyd. Con. (cm/sec)	Flow to Well (meters3/day)
1	0.	0.82	1.	--	
2	0.28	0.45	0.5488	1.904e-003	1.63
3	0.78	0.26	0.3171	1.308e-003	0.6472
4	1.28	0.17	0.2073	1.092e-003	0.3532
5	1.78	0.13	0.1585	9.191e-004	0.2274

Arithmetic Means:

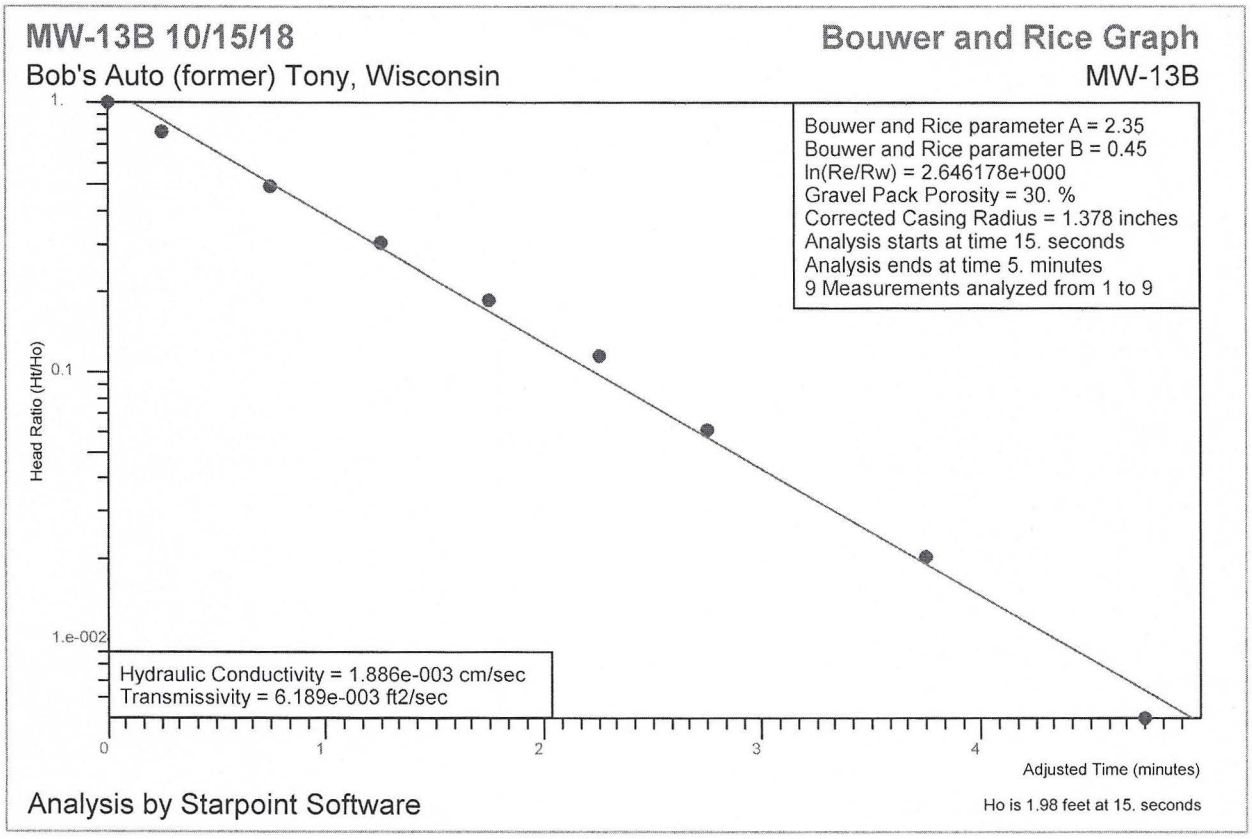
Hydraulic Conductivity	1.306e-003 cm/sec
Transmissivity	2.142e-003 ft2/sec

Geometric Means:

Hydraulic Conductivity	1.257e-003 cm/sec
Transmissivity	2.062e-003 ft2/sec

Sensitivity Analysis:

Hydraulic Conductivity	1.302e-003 cm/sec
Transmissivity	2.135e-003 ft2/sec


MW-13B 10/15/18
Bouwer and Rice Graph
Bob's Auto (former) Tony, Wisconsin
MW-13B
Bouwer and Rice parameter A = 2.35
Bouwer and Rice parameter B = 0.45
ln(Re/Rw) = 2.646178e+000
Gravel Pack Porosity = 30. %
Corrected Casing Radius = 1.378 inches
Analysis starts at time 15. seconds
Analysis ends at time 5. minutes
9 Measurements analyzed from 1 to 9
Head Ratio (Ht/Ho)
1.
0.1
1.e-002
Hydraulic Conductivity = 1.886e-003 cm/sec
Transmissivity = 6.189e-003 ft2/sec
0
1
2
3
4
Adjusted Time (minutes)
Analysis by Starpoint Software
Ho is 1.98 feet at 15. seconds

Bouwer and Rice Automatic Parameter Estimation

MW-13B

Site Name:	Bob's Auto (former)
Location:	Tony, Wisconsin
Test Date:	10/15/18

Well Label:	MW-13B
Aquifer Thickness:	100. feet
Screen Length:	5. feet
Casing Radius:	1. inches
Effective Radius:	2. inches
Gravel Pack Porosity:	30. %
Corrected Casing Radius:	1.378 inches
Bouwer and Rice Parameter A	2.35
Bouwer and Rice Parameter B	0.45
Radius of Influence of Test	2.35 feet

Trial	Adjusted Time (minutes)	Head (feet)	Head Ratio	Hyd. Con. (cm/sec)	Flow to Well (meters3/day)
1	0.	1.98	1.	--	
2	0.25	1.56	0.7879	1.691e-003	2.515
3	0.75	0.97	0.4899	1.688e-003	1.56
4	1.25	0.6	0.303	1.694e-003	0.9687
5	1.75	0.37	0.1869	1.7e-003	0.5994
6	2.25	0.23	0.1162	1.697e-003	0.372
7	2.75	0.12	6.061e-002	1.808e-003	0.2068
8	3.75	4.e-002	2.02e-002	1.846e-003	7.035e-002
9	4.75	1.e-002	5.051e-003	1.975e-003	1.882e-002

Arithmetic Means:

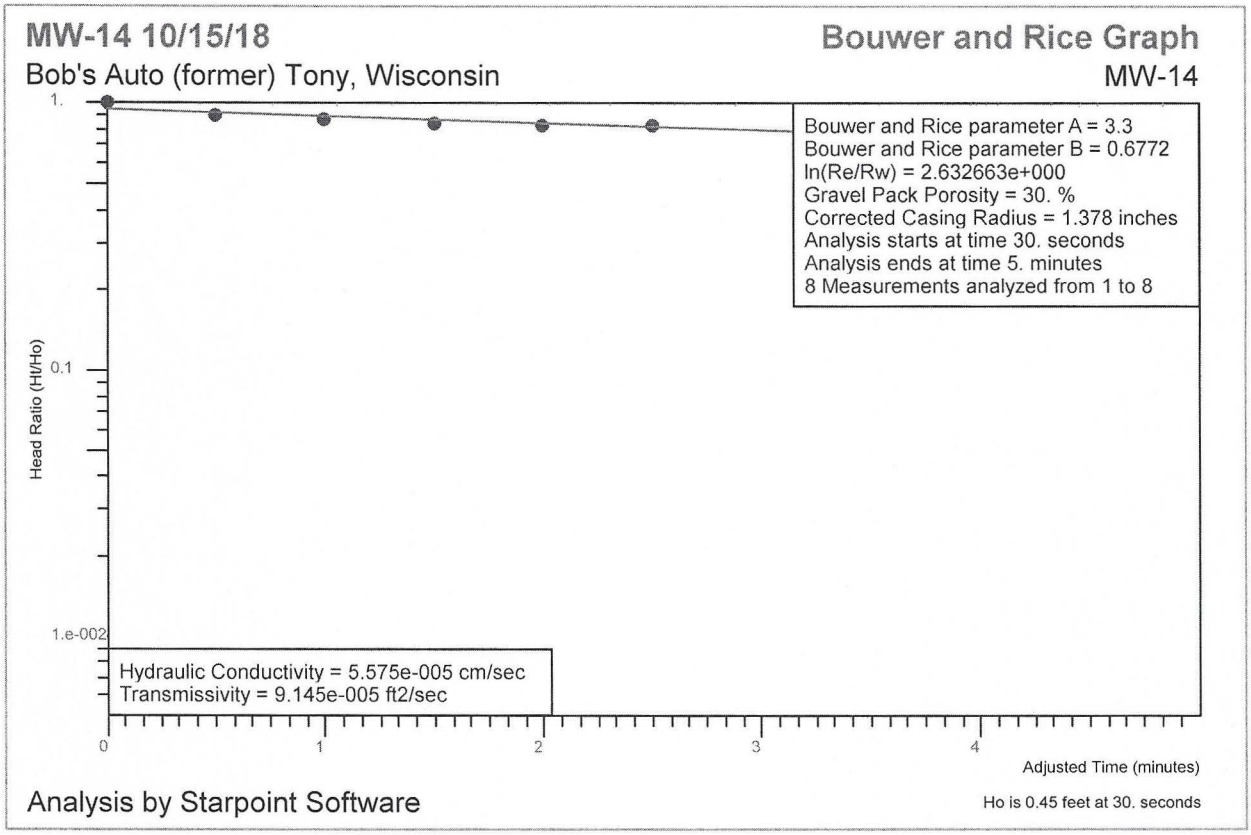
Hydraulic Conductivity	1.762e-003 cm/sec
Transmissivity	5.782e-003 ft2/sec

Geometric Means:

Hydraulic Conductivity	1.76e-003 cm/sec
Transmissivity	5.773e-003 ft2/sec

Sensitivity Analysis:

Hydraulic Conductivity	1.705e-003 cm/sec
Transmissivity	5.593e-003 ft2/sec


MW-14 10/15/18
Bouwer and Rice Graph
Bob's Auto (former) Tony, Wisconsin
MW-14
Bouwer and Rice parameter A = 3.3
Bouwer and Rice parameter B = 0.6772
ln(Re/Rw) = 2.632663e+000
Gravel Pack Porosity = 30. %
Corrected Casing Radius = 1.378 inches
Analysis starts at time 30. seconds
Analysis ends at time 5. minutes
8 Measurements analyzed from 1 to 8
Head Ratio (Ht/Ho)
1.
0.1
1.e-002
Hydraulic Conductivity = 5.575e-005 cm/sec
Transmissivity = 9.145e-005 ft2/sec
0
1
2
3
4
Adjusted Time (minutes)
Analysis by Starpoint Software
Ho is 0.45 feet at 30. seconds

Bouwer and Rice Automatic Parameter Estimation

MW-14

Site Name: Bob's Auto (former)
Location: Tony, Wisconsin
Test Date: 10/15/18

Well Label:	MW-14
Aquifer Thickness:	50. feet
Screen Length:	10. feet
Casing Radius:	1. inches
Effective Radius:	2. inches
Gravel Pack Porosity:	30. %
Corrected Casing Radius:	1.378 inches
Bouwer and Rice Parameter A	3.3
Bouwer and Rice Parameter B	0.6772
Radius of Influence of Test	2.318 feet

Trial	Adjusted Time (minutes)	Head (feet)	Head Ratio	Hyd. Con. (cm/sec)	Flow to Well (meters3/day)
1	0.	0.45	1.	--	
2	0.5	0.41	0.9111	1.643e-004	0.129
3	1.	0.39	0.8667	1.263e-004	9.433e-002
4	1.5	0.38	0.8444	9.945e-005	7.24e-002
5	2.	0.37	0.8222	8.635e-005	6.121e-002
6	2.5	0.37	0.8222	6.908e-005	4.897e-002
7	3.5	0.34	0.7556	7.066e-005	4.603e-002
8	4.5	0.33	0.7333	6.081e-005	3.845e-002

Arithmetic Means:

Hydraulic Conductivity	9.67e-005 cm/sec
Transmissivity	1.586e-004 ft2/sec

Geometric Means:

Hydraulic Conductivity	9.13e-005 cm/sec
Transmissivity	1.498e-004 ft2/sec

Sensitivity Analysis:

Hydraulic Conductivity	7.277e-005 cm/sec
Transmissivity	1.194e-004 ft2/sec