Meridian Environmental Consulting, LLC

August 15, 2017

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

Subject: **2017 Progress Report and Change Order**
Former Wild Card Bar
301 N. Pine St
Turtle Lake, WI 54889
DNR BRRTS No. 03-03-110339
PECFA No. 54889-8000-01
Meridian No. 05F750

Dear Carrie:

This Letter Report documents recent work at the above referenced site. This work included sampling the monitoring well network October 26, 2016 and March 23, 2017

Based on this work, we recommend the site be submitted for Closure with GIS Registry. A Change Order for preparing the Closure Request is included with this letter report.

BACKGROUND INFORMATION

The reader is referred to the project file which contains detailed reports describing past work at the site. A brief summary is provided below.

The reader is reminded that wells labeled "PZ" are monitoring wells screened across the regional water table, not 'piezometers' which typically are screened below the water table. The "PZ" label developed because the initial investigation encountered a perched ground water table; wells screened in the perched ground water were labeled "MW". Further site investigation determined the regional ground water table is about 55 – 60 feet below grade. Wells screened across the regional water table were initially labeled "PZ" to differentiate them from perched ground water wells (MW). An exception is PZ-9B which is screened below the regional water table and is a piezometer.

Site Description

The site is located at the northwest corner of the intersection of US Highways 8/63 and Pine Street in Turtle Lake, Wisconsin (Barron County)(Figure 1). The site was formerly a retail gasoline station for many years (1940's?). The current owner installed new tanks in 1985(?) and removed them in 1996. The station operated as a tavern (Wild Card Bar) until it burned in 1999. The property is currently vacant.

The Village of Turtle Lake has a public water and sewer system. Village Well No. 2 is the nearest municipal well and is currently in use.

Summary of Site Investigation

All of the former buildings and structures at this property have been removed. Site investigation activities relied on owner information and old photographs to determine the location of former tanks and pump islands.

Soil borings and monitoring wells were installed to investigate potential impacts to soil and ground water. This included 14 Geoprobe borings (GP-1 thru GP-14), several temporary wells (TWM-1, -2, -12, -15), three soil borings (SB-1, SB-2, SB-3), seven monitoring wells (MW-1 thru MW-7), and 16 piezometers (PZ-1 thru PZ-15). Figure 1 illustrates the location of the monitoring wells.

RECENT WORK

The monitoring well network (Figure 1) was sampled October 26, 2016 and March 23, 2017. The analytical reports are provided in Appendix A and summarized in Table 1. Natural attenuation field measurements are summarized in Table 2. The ground water elevations measured during each sampling event are summarized in Table 3. The monitoring well elevations were resurveyed 10/27/06; the measurements are included in Table 3.

DATA EVALUATION

Hydrogeology

The site hydrogeology consists of two main units: approximately 60 feet of fine-grained glacial sediments overlying sand and sedimentary bedrock. Figure 2 is a cross-section of the site geology based on well logs and soil boring data.

The upper 50-60 feet of soil consists of about 10 feet of gray, sandy clay overlying 40 - 50 feet of reddish brown silty sand.

Wood fragments resembling sawdust and other debris were found within the first 10 feet in several borings (e.g., MW-2, GP-3, -5, -6, -14). The wood fragments are interpreted to be peat. A dark clay layer was encountered beneath the wood fragments.

A thin layer of perched water is found on top of the peat and clay layer. Monitoring wells MW-1 through MW-6 were installed to sample the perched ground water. Most of the shallow wells have little water in them. Ground water flow within the shallow, perched ground water appears to be northerly mimicking topography.

The piezometers and the former onsite well encountered a coarse sand layer about 50 - 60 feet below grade to about 100 feet below grade where a competent limestone is encountered (Figure 2). The regional water table is found within this sand layer.

Ground Water Flow

Ground water flow in the deeper sand unit appears to flow westerly with some variation across the site (Figure 3). The difference in hydraulic head between the wells is slight (within ½ foot across the site) indicating a relatively flat gradient.

Extent of Impacted Soil

Based on the soil data collected to date, petroleum impacted soil appears to be limited to the former tank basin and pump island areas (see earlier reports). We do not recommend further investigation or remediation of impacted soil at this time.

Extent of Impacted Ground Water

Both ground water units (i.e, perched layer and deeper sand unit) have been impacted with petroleum and are discussed separately below.

- Shallow "Perched" Ground Water Unit

The shallow ground water has been impacted by the former petroleum operations at this site. However, as described in previous correspondence, we do not recommend further investigation or remediation of the shallow ground water impacts at this time.

- Deeper Ground Water Unit (Sand aquifer)

The extent of impacted ground water in the sand aquifer appears to be as shown in Figure 4.

The petroleum impacts may be from several sources. For example, the Davis Auto Body site may have contributed to the ground water impacts. In addition, there reportedly was a gas station at the pizza restaurant west of the site. And it is known the Wild Card Bar site had petroleum releases.

CONCLUSIONS AND RECOMMENDATIONS

In our opinion, the extent of impacted soil and ground water has been defined at this site. The current monitoring well network adequately defines the extent of ground water impacted from the former Wild Card Bar site.

We do not recommend any soil remediation other than GIS Registry for Soil.

We recommend Closure with GIS Registry for Soil and Ground Water. A Change Order for this work is included with this Letter Report.

Sincerely,
MERIDIAN ENVIRONMENTAL CONSULTING, LLC

Kenneth Shimko, PG
Project Manager

TABLES

Table 1: Ground Water Analytical Data

Wild Card Bar
Turtle Lake, Wisconsin
Meridian No. 05F750

Bold Concentration is above Method Detection Limit
10 Concentration is above NR140 Enforcement Standard
NA Parameter not analyzed for

Sample	Screen Interval (depth - ft)	Depth to Water (ft)	Date	1,2,4-TMB	1,3,5-TMB	Total TMB	Benzene	Ethylbenzene	m&p-xylene	o-xylene	Total Xylenes	MTBE	Naphthalene	Toluene	DRO
Units				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NR140 Enforcement Standard						480	5	700			2000	60	100	800	-
TMW-1	11-16														
		10.1	10/1/2008	<.4	<.31	<.4	<.31	<.5	<.62	<.36	<.62	<.3	<.8	<.3	378
		11.71	7/20/2009	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	NA	<.37	NA
		10.2	10/22/2009	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.116	<.37	NA
TMW-2	10-20														
		10.75	10/1/2008	166	<6.2	166	17.4	112	120	123	243	<6	103	<6	7750
		15.24	2/5/2009	388	<15.5	388	<15.5	311	371	453	824	<15	192	<15	NA
		12.65	7/20/2009	236	<4.4	236	<3.1	77.8	82.2	70.4	152.6	<3.	<.22	<3.7	NA
			10/22/2009	INACCESSIBLE - HOUSE OVER WELL											
TMW-12	6-16														
		8.14	10/1/2008	<.4	<.31	<.4	<.31	<.5	<.62	<.36	<.62	<.3	<.8	<.3	6780
		15.37	2/5/2009	Insufficient water to collect sample											
		8.55	7/20/2009	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.647	<.37	NA
		6.9	10/22/2009	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37	NA
TMW-15	5-15														
		13.31	2/5/2009	<.4	<.31	<.4	<.31	<.5	<.62	<.36	<.62	<.3	27.1	0.819	NA
		11.45	7/20/2009	<4.	<4.4	<4.4	<3.1	<5.0	<6.2	<7.7	<7.7	<3.	NA	<3.7	NA
		11.32	10/22/2009	<4	<4.4	<4.4	<3.1	<5	<6.2	<7.7	<7.7	<3.	714	<3.7	NA
		NM	7/29/2010	<4	<4.4	<4.4	<3.1	<5	<6.2	<7.7	<7.7	<3	589	3.8	NA
		9.65	6/10/2011	<4	<4.4	<4.4	<3.1	<5	<6.2	<7.7	<7.7	<3	535	<3.7	NA
		11.73	9/23/2011	<4	<4.4	<4.4	<3.1	<5	<6.2	<7.7	<7.7	<3	498	<3.7	NA
			10/26/2016	2.5	1	3.5	0.5	1.9			3.5	<.48	446	1.5	
			3/23/2017	<4.2	<4.2	<4.2	<4	<3.9			<12.5	<4.8	354	<3.9	
MW-1	5-15														
		11.33	2/5/2009	1350	<31	1350	<31	<50	150	151	301	<30	802	<30	NA
		9.58	7/20/2009	142	<4.4	142	<3.1	31.3	27	8.39	35.39	<3.	41.7	<3.7	NA
		8.01	10/22/2009	55.6	<.44	55.6	1.23	22.7	10.3	9.26	19.56	<.3	22	1.53	NA
		8.85	4/12/2010	47.9	<.44	47.9	0.926	17.1	7.93	2.64	10.57	<.3	53.2	<.37	NA
		6.05	7/29/2010	33.7	<.44	33.7	1.02	17	5.92	2.31	8.23	<.3	55.2	0.536	NA
		4.23	6/10/2011	70.4	2.73	73.13	<1.55	15.9	14.2	<3.85	14.2	<1.5	87.8	<1.85	NA
		6.75	9/23/2011	75.3	2.76	78.06	<1.55	16.5	13.8	<3.85	13.8	<1.5	92.6	<1.85	NA
			10/26/2016	110	<.42	110	<.40	4.5			8.3	<.48	76	<.39	
			3/23/2017	112	<.42	112	<.4	3.7			6.7	<.48	70.4	<.39	
MW-2	5-15														
		13.4	2/5/2009	189	76.3	265.3	14	41.4	175	107	282	<3	65.4	<3	NA
		13	7/20/2009	83.1	32.7	115.8	14.8	25.1	103	57.3	160.3	<1.5	6.23	4.57	NA
		13.03	10/22/2009	128	54.6	182.6	18.3	41	128	88.4	216.4	<.3	7.8	2.65	NA
		14.25	4/12/2010	134	52.2	186.2	18.3	72.8	157	93.4	250.4	<.3	37.4	5	NA
		11.62	7/29/2010	176	91.6	267.6	28.5	93.2	247	143	390	<.3	104	2.93	NA
		8.05	6/10/2011	35.3	9.57	44.87	2.14	7.92	17.2	2.04	19.24	<.3	19	<.37	NA
		9.71	9/23/2011	159	59.1	218.1	17.1	65.6	192	51.6	243.6	<3	101	<3.7	NA
			10/26/2016	32.6	3.6	36.2	<.4	17.5			2.2	<.48	54.5	<.39	
			3/23/2017	31.6	6	37.6	<.4	17.1			4.8	<.48	44.6	0.41	
MW-3	5-15	(well is dry: 7/20/09 sample collected from well tip)													
			2/5/2009	DRY											
		15.02	7/20/2009	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	NA	<.37	NA
		DRY	10/22/2009	DRY											
		DRY	4/12/2009	DRY											
		DRY	7/29/2010	DRY											
		DRY	6/10/2011	DRY											
		DRY	9/23/2011	DRY											
			10/26/2016	<.42	<.42	<.42	0.49	<.39			<1.2	<.48	<.42	<.39	
			3/23/2017	<.42	<.42	<.42	0.41	<.39			<1.2	<.48	<.42	<.39	
MW-4	5-15														
		13.31	2/5/2009	1.72	<.31	1.72	<.31	0.608	3.81	1.55	5.36	<.3	<.8	<.3	NA
		13.25	7/20/2009	<.4	<.44	<.44	<.31	0.859	1.14	<.77	1.14	<.3	<.116	<.37	NA
		14.13	10/22/2009	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.157	<.37	NA
		14.4	4/12/2010	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37	NA
		13.78	7/29/2010	<.4	<.44	<.44	<.31	<.5	0.635	<.77	0.635	<.3	2.05	<.37	NA
		12.54	6/10/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<2.0	<.37	NA
		14.33	9/23/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<2.0	<.37	NA
			10/26/2016	<.42	<.42	<.42	<.40	<.39			<1.2	<.48	<.42	<.39	
MW-5	10-20	(well is dry: 4/12/10 sample collected from well tip)													
		19.18	4/12/2010	0.631	0.486	1.117	<.31	0.591	0.867	<.77	0.867	<.3	3.38	0.433	NA
		DRY	7/29/2010	DRY											
		DRY	6/10/2011	DRY											
		DRY	9/23/2011	DRY											
			10/26/2016	<.42	<.42	<.42	<.40	0.69			<1.2	<.48	89.3	0.4	
			3/23/2017	0.48	<.42	0.48	0.43	0.81			<1.2	<.48	111	<.39	
MW-6	5-15		(Installed 5/11/11)												
		DRY	6/10/2011	DRY											
		DRY	9/23/2011	DRY											
MW-7	5-15		(Installed 6/6/11)												
		DRY	6/10/2011	DRY											
		16.17	9/23/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	2.73	<.37	NA
			10/26/2016	<.42	<.42	<.42	<.40	<.39			<1.2	<.48	6.4	<.39	
			3/23/2017	<.42	<.42	<.42	<.40	<.39			<1.2	<.48	1.9	<.39	

Table 1: Ground Water Analytical Data (Page Two)

Sample	Screen Interval (depth - ft)	Depth to Water (ft)	Date	1,2,4-TMB	1,3,5-TMB	Total TMB	Benzene	Ethylbenzene	m&p-xylene	o-xylene	Total Xylenes	MTBE	Naphthalene	Toluene	DRO
Units				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NR140 Enforcement Standard						480	5	700			2000	60	100	800	-
PZ-1	60-70		(installed 6/10/2009)												
		60.6	7/20/2009	1.51	0.85	2.36	74.7	0.522	7.75	7.82	15.57	1.65	NA	0.792	NA
		61.05	10/22/2009	<.4	<.44	<.44	5.29	<.5	<.62	<.77	<.77	2.09	<.138	<.37	NA
		61.29	4/12/2010	<.4	<.44	<.44	33.1	0.969	0.747	<.77	0.747	<.3	<.8	<.37	NA
		61.2	7/29/2010	<.4	<.44	<.44	6.68	<.5	0.665	<.77	<.77	0.84	2.09	0.477	NA
		58.41	6/10/2011	<.4	<.44	<.44	4.37	<.5	<.62	<.77	<.77	<.3	<2.	<.37	NA
		56.45	9/23/2011	<.4	<.44	<.44	11.4	0.525	0.843	<.77	<.77	<.3	<2.	0.378	NA
		54.19	6/22/2012	<.43	<.40	<.43	14.6	0.68			<1.3	<.38	<.4	<.42	NA
		54.11	9/24/2012	<.43	<.40	<.43	13.6	0.69			<1.3	<.38	<.4	<.42	NA
		56.45	7/1/2013	0.33	<.36	0.33	12.3	0.73			<1	<.37	<.37	<.34	NA
		56.45	10/10/2013	0.5	<.36	0.5	12.1	0.72			1.5	<.37	0.46	<.34	NA
		56.41	7/24/2014	<.42	<.42	<.42	8.9	0.62			<1.2	<.48	<.42	<.39	NA
		55.31	10/8/2014	<.42	<.42	<.42	9.2	0.59			<1.2	<.48	<.42	<.39	NA
			10/26/2016	0.52	<.42	0.52	10.6	0.94			1.3	<.48	<.42	<.39	
			3/23/2017	0.47	<.42	0.47	10.2	0.7			<1.2	<.48	0.49	<.39	
PZ-2	58-68		(installed 3/4/10)												
		56.66	4/12/2010	1.05	0.481	1.531	1.35	0.715	1.32	<.77	1.32	<.3	3.03	6.65	NA
		56.55	7/29/2010	0.701	<.44	0.701	<.31	<.5	0.939	<.77	0.939	<.3	<.8	0.481	NA
		53.78	6/10/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<2	<.37	NA
		51.8	9/23/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<2	<.37	NA
		49.64	6/22/2012	<.43	<.4	<.43	<.39	<.41			<1.3	<.38	<.4	<.42	NA
		49.58	9/24/2012	<.43	<.4	<.43	<.39	<.41			<1.3	<.38	<.4	<.42	NA
		51.88	7/1/2013	<.33	<.36	<.36	<.34	<.34			<1	<.37	<.37	<.34	
		51.91	10/10/2013	<.33	<.36	<.36	<.34	<.34			<1	<.37	<.37	<.34	
		51.87	7/24/2014	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	NA
		50.72	10/8/2014	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	NA
			10/26/2016	<.42	<.42	<.42	<.40	<.39			<1.2	<.48	<.42	<.39	
			3/23/2017	<.42	<.42	<.42	<.40	<.39			<1.2	<.48	<.42	<.39	
PZ-3	65-80		(installed 3/5/10)												
		64.12	4/12/2010	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37	NA
		64	7/29/2010	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37	NA
		61.33	6/10/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37	NA
		59.41	9/23/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37	NA
		57.04	6/22/2012	<.43	<.4	<.43	<.39	<.41			<1.3	<.38	<.4	<.42	NA
		57	9/24/2012	<.43	<.4	<.43	<.39	<.41			<1.3	<.38	<.4	<.42	NA
		59.23	7/1/2013	<.33	<.36	<.36	<.34	<.34			<1	<.37	<.37	<.34	
		59.28	10/10/2013	<.33	<.36	<.36	<.34	<.34			<1	<.37	<.37	<.34	
		59.3	7/24/2014	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	NA
		58.23	10/8/2014	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	NA
			10/26/2016	<.42	<.42	<.42	<.40	<.39			<1.2	<.48	<.42	<.39	
			3/23/2017	<.42	<.42	<.42	<.40	<.39			<1.2	<.48	<.42	<.39	
PZ-4	55-70		(installed 5/11/11)												
		60.74	6/10/2011	433	138	571	4560	502	2200	805	3005	73.5	161	1290	NA
		58.8	9/23/2011	397	152	549	4870	451	2120	730	2850	<30	262	960	NA
		56.41	6/22/2012	<10.8	<9.9	<10.8	2320	143			37.2	35.6	25.1	44	NA
		56.32	9/24/2012	<2.2	3.1	3.1	1110	57.3			14.8	23.1	7.5	20.7	NA
		58.65	7/1/2013	<3.3	<3.6	<3.6	913	119			16.2	28.5	12.9	35	
		58.64	10/10/2013	<1.7	2	2	574	72.6			7.5	18.9	3.7	23.2	
		58.65	7/24/2014	<2.1	<2.1	<2.1	895	209			<6.2	51.7	5.7	14.3	NA
		57.59	10/8/2014	<4.2	<4.2	<4.2	773	198			<12.5	55	6.2	13.2	NA
			10/26/2016	<1.7	<1.7	<1.7	285	77			<.5	47.1	1.9	5.1	
			3/23/2017	<.42	0.92	0.92	190	5.3			4.8	6.7	<.42	2.3	
PZ-5	50-65		(Installed 5/12/11)												
		53.39	6/10/2011	0.713	<.44	0.713	<.31	<.5	<.62	<.77	<.77	<.3	3.18	<.37	NA
		51.4	9/23/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37	NA
		49.25	6/22/2012	<.43	<.4	<.43	<.39	<.41			<1.3	<.38	<.4	<.42	NA
		49.21	9/24/2012	<.43	<.4	<.43	<.39	<.41			<1.3	<.38	<.4	<.42	NA
		51.53	7/1/2013	<.33	<.36	<.36	<.34	<.34			<1	<.37	<.37	<.34	
		51.54	10/10/2013	<.33	<.36	<.36	<.34	<.34			<1	<.37	<.37	<.34	
		51.48	7/24/2014	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	NA
		50.28	10/8/2014	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	NA
			10/26/2016	<.42	<.42	<.42	<.40	<.39			<1.2	<.48	<.42	<.39	
			3/23/2017	<.42	<.42	<.42	<.40	<.39			<1.2	<.48	<.42	<.39	
PZ-6	50-65		(Installed 6/6/11)												
		57.89	6/10/2011	7.25	<.44	7.25	48.3	1.02	12.3	29	41.3	<.3	3.07	0.657	NA
		55.9	9/23/2011	<.4	<.44	<.44	2.31	<.5	0.844	0.8	1.644	<.3	<2	<.37	NA
		53.65	6/22/2012	<.43	<.4	<.43	<.39	<.41			<1.3	<.38	<.4	<.42	NA
		53.62	9/24/2012	<.43	<.4	<.43	<.39	<.41			<1.3	<.38	<.4	<.42	NA
		55.82	7/1/2013	<.33	<.36	<.36	<.34	<.34			<1	<.37	<.37	<.34	
		55.91	10/10/2013	<.33	<.36	<.36	<.34	<.34			<1	<.37	<.37	<.34	
		55.91	7/24/2014	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	NA
		54.71	10/8/2014	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	NA
			10/26/2016	<.42	<.42	<.42	<.40	<.39			<1.2	<.48	<.42	<.39	
			3/23/2017	<.42	<.42	<.42	<.40	<.39			<1.2	<.48	<.42	<.39	
PZ-7	50-65		(Installed 6/13/12)												
		52.51	6/22/2012	394	123	517	345	144			1920	4	41.6	494	NA
		52.5	9/24/2012	261	90.4	351.4	351	340			1240	14.5	8	1120	NA
		54.85	7/1/2013	308	87.8	395.8	762	611			2040	9.8	46.8	612	
		54.86	10/10/2013	390	119	509	790	629			2240	5.5	53.8	642	
		54.85	7/24/2014	81.9	44.7	126.6	647	598			744	6.8	34.9	469	NA
		53.77	10/8/2014	36.8	45	83.8	399	342			435	5.3	10.7	284	NA
			10/26/2016	25.1	11.5	36.6	17.1	61.2			76.9	7.7	5.3	34.4	
			3/23/2017	19.8	9.4	29.2	18.8	51.9			66.5	4.3	3.7	29.8	

Table 1: Ground Water Analytical Data (Page Three)

Sample	Screen Interval (depth - ft)	Depth to Water (ft)	Date	1,2,4-TMB	1,3,5-TMB	Total TMB	Benzene	Ethylbenzene	m&p-xylene	o-xylene	Total Xylenes	MTBE	Naphthalene	Toluene	DRO
Units				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NR140 Enforcement Standard						480	5	700			2000	60	100	800	-
PZ-8	55-70		(Installed 6/13/12)												
		57.08	6/22/2012	16.7	6.1	22.8	325	48.8			162	5.7	11.6	262	NA
		56.99	9/24/2012	85.8	35.7	121.5	1200	85.6			703	20.9	26.5	206	NA
		59.3	7/1/2013	<.83	<.89	<.89	234	4.2			3.9	10.2	4.6	10.3	
		59.33	10/10/2013	2	1.1	3.1	218	17.5			47.1	9	1.9	158	
		59.36	7/24/2014	9.3	3.3	12.6	267	34.3			59.6	6.9	2.4	177	NA
		58.32	10/8/2014	11.2	6	17.2	528	53.9			65.5	11.7	6.2	275	NA
			10/26/2016	164	63.2	227.2	2760	419			665	95.2	64.1	926	
			3/23/2017	5.1	1.8	6.9	81.3	10.5			24.9	2.8	2.5	27.2	
PZ-9A	54-69	installed June 2013													
		61.2	7/1/2013	<.57	<2.5	<2.5	3.1	<.5	<.82	<.5	<.82	<.49	<2.5	<.44	
		61.3	10/10/2013	<.33	<.36	<.36	0.95	<.34			<1	<.37	<.37	<.34	
		61.47	7/24/2014	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	NA
		60.41	10/8/2014	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	NA
			10/26/2016	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	
			3/23/2017	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	
PZ-9B	80-85	installed June 2013													
		61.26	7/1/2013	<.57	<2.5	<2.5	<.5	<.5	<.82	<.5	<.82	<.49	<2.5	<.44	
		61.35	10/10/2013	<.33	<.36	<.36	<.34	<.34			<1	<.37	<.37	<.34	
		61.49	7/24/2014	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	NA
		60.46	10/8/2014	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	NA
			10/26/2016	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	
			3/23/2017	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	
PZ-10	54.5-69.5	installed June 2013													
		61.72	7/1/2013	<1.4	<6.2	<6.2	321	<1.2	<2	<1.2	<2	<1.2	<6.2	<1.1	
		61.84	10/10/2013	<.33	<.36	<.36	114	<.34			<1	<.37	<.37	<.34	
		61.93	7/24/2014	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	NA
		60.82	10/8/2014	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	NA
			10/26/2016	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	
			3/23/2017	<.42	<.42	<.42	<.4	<.39			<1.2	0.74	<.42	<.39	
PZ-11	52-67	installed June 2013													
		56.04	7/1/2013	<.57	<2.5	<2.5	5.6	2.4	23.4	<.5	23.4	<.49	3.8	0.62	
		56.05	10/10/2013	<.33	12.7	12.7	6.3	33.6			104	<.37	27.1	2.4	
		55.98	7/24/2014	<.42	2.1	2.1	<.4	0.72			3.1	<.48	1.2	<.39	NA
		54.91	10/8/2014	<.42	0.71	0.71	<.4	<.39			2.7	<.48	0.94	<.39	NA
			10/26/2016	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	
			3/23/2017	<.42	<.42	<.42	<.4	0.74			<1.2	<.48	0.95	<.39	
PZ-12	54-69	installed 7/9/14													
		62.02	7/24/2014	<.5	<.5	<.5	<.5	<.5	<1	<.5	<1.2	<.17	<2.5	<.5	NA
		61.01	10/8/2014	<.5	<.5	<.5	<.5	<.5	<1	<.5	<1.2	<.17	<2.5	<.5	NA
			10/26/2016	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	
			3/23/2017	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	
PZ-13	47-62	installed 7/10/14													
		52.58	7/24/2014	<.5	<.5	<.5	<.5	<.5	<1	<.5	<1.2	<.17	<2.5	<.5	NA
		51.41	10/8/2014	<.5	<.5	<.5	<.5	<.5	<1	<.5	<1.2	<.17	<2.5	<.5	NA
			10/26/2016	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	
			3/23/2017	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	
PZ-14	47-62	installed 7/11/14													
		53.47	7/24/2014	2950	733	3683	6230	3070	12700	5920		20.8	719	8360	NA
		52.33	10/8/2014	2800	758	3558	6740	3260				31.1	749	8220	NA
			10/26/2016	2760	756	3516	5070	3500			16500	24.5	740	5120	
			3/23/2017	3020	816	3836	4970	3370			17500	<24.2	719	6370	
PZ-15	55-70	installed 7/14/14													
		63.21	8/26/2014	<.5	<.5	<.5	<.5	<.5	<1	<.5	<1.2	<.17	<2.5	<.5	NA
		62.58	10/8/2014	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	NA
			10/26/2016	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	
			3/23/2017	<.42	<.42	<.42	<.4	<.39			<1.2	<.48	<.42	<.39	

Table 2: Ground Water Natural Attentuation Field Measurements
Wild Card Bar
Turtle Lake, Wisconsin
Meridian No. 05F750

Well	DO	pH	Temp	K	ORP
M1					
10/27/2016	0	7.03	13.4	794	-31
3/23/2017	<1	7.78	4.2	867	-14
M2					
10/27/2016	0	7.13	12.9	943	-45
3/23/2017	0	7.36	5.5	939	-67
M3					
10/27/2016	1	6.93	11.2	1198	-37
3/23/2017	0	7.18	6.8	1253	-62
M4					
10/27/2016	<1	7.22	11.8	968	-12
3/23/2017	could not locate				
M5					
10/27/2016	0	6.67	11.4	768	110
3/23/2017	1	7.19	7.4	1113	-62
M6					
10/27/2016	DRY				
3/23/2017	DRY				
M7					
10/27/2016	<1	7.14	10.5	694	-57
3/23/2017	4	7.39	7.1	644	-79
P1					
10/27/2016	1	7.45	9.6	923	30
3/23/2017	<1	7.39	7.5	900	-57
P2					
10/27/2016	2	7.03	10.5	485	-4
3/23/2017	<1	7.8	7	541	-68
P3					
10/27/2016	2	7.78	9.3	948	-49
3/23/2017	<1	7.71	7.2	1188	-60
P4					
10/27/2016	2	7.55	9.8	863	-49
3/23/2017	2	7.39	8.3	805	-77
P5					
10/27/2016	4	7.31	10.2	266	-9
3/23/2017	1	7.48	7.2	356	-55
P6					
10/27/2016	3	7.88	10.9	403	-11
3/23/2017	4	7.75	7.9	423	-72
P7					
10/27/2016	0	7.01	10.1	2680	-36
3/23/2017	<1	7.24	8	2370	-58
P8					
10/27/2016	1	7.48	9.3	929	89
3/23/2017	5	7.89	7.4	402	-53
P9A					
10/27/2016	0	7.03	9.4	554	31
3/23/2017	<1	7.23	7.9	1051	-10
P9B					
10/27/2016	1	7.51	9.7	408	21
3/23/2017	3	7.94	7.9	142	-56
P10					
10/27/2016	<1	7.73	9.3	1159	32
3/23/2017	1	7.04	8.8	1284	-44
P11					
10/27/2016	3	7.62	9.2	846	40
3/23/2017	1	7.48	8.1	873	-20
P12					
10/27/2016	4	7.62	10.1	279	10
3/23/2017	4	7.52	8.4	279	-37
P13					
10/27/2016	4	8.12	9.8	581	15
3/23/2017	4	7.86	7.3	582	-50
P14					
10/27/2016	1	7.77	10.2	1061	81
3/23/2017	<1	7.32	7.7	1009	-25
P15					
10/27/2016	<1	7.57	9.6	1300	58
3/23/2017	1	7.32	8.6	1265	-39

Table 3: Ground Water Elevation Data (page one of three)
Wild Card Bar
Turtle Lake, Wisconsin
Meridian No. 05F750

MW-1			MW-2			MW-3		
Surface Elevation (ft)		100.5	Surface Elevation (ft)		102	Surface Elevation (ft)		98.5
Top of Casing elevation (ft)		100	Top of Casing elevation (ft)		101.98	Top of Casing elevation (ft)		98.06
Top of Screen Elevation (ft)		95	Top of Screen Elevation (ft)		96.97	Top of Screen Elevation (ft)		93.2
Bottom of Screen Elevation (ft)		85	Bottom of Screen Elevation (ft)		86.97	Bottom of Screen Elevation (ft)		83.2
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)
installed 2/20/08			installed 2/20/08			installed 2/20/08		
2/5/2009	11.33	88.67	2/5/2009	13.4	88.58	2/5/2009	dry	dry
7/20/2009	9.58	90.42	7/20/2009	13	88.98	7/20/2009	15.02	83.04
10/22/2009	8.01	91.99	10/22/2009	13.03	88.95	10/22/2009	dry	dry
4/12/2010	8.85	91.15	4/12/2010	14.25	87.73	4/12/2010	dry	
7/29/2010	6.05	93.95	7/29/2010	11.62	90.36	7/29/2010	dry	
6/10/2011	4.23	95.77	6/10/2011	8.05	93.93	6/10/2011	dry	
9/23/2011	6.75	93.25	9/23/2011	9.71	92.27	9/23/2011	14.82	83.24
Resurvey 10/27/16		1257.18	*Resurvey 10/27/16*		1259.21	*Resurvey 10/27/16*		1255.29
10/26/2016	7.78	1249.4	10/26/2016	8.94	1250.27	10/26/2016	13.11	1242.18
3/23/2017	5.58	1251.6	3/23/2017	8.69	1250.52	3/23/2017	12.09	1243.2

MW-4			MW-5			MW_6		
Surface Elevation (ft)		103	Surface Elevation (ft)		95.75	Surface Elevation (ft)		102.75
Top of Casing elevation (ft)		102.96	Top of Casing elevation (ft)		95.67	Top of Casing elevation (ft)		102.58
Top of Screen Elevation (ft)		97.86	Top of Screen Elevation (ft)		85.67	Top of Screen Elevation (ft)		97.58
Bottom of Screen Elevation (ft)		87.86	Bottom of Screen Elevation (ft)		75.67	Bottom of Screen Elevation (ft)		87.58
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)
installed 2/20/08			installed 3/8/2010			installed 5/11/11		
2/5/2009	13.31	89.65						
7/20/2009	13.25	89.71						
10/22/2009	14.13	88.83						
4/12/2010	14.4	88.56	4/12/2010	19.18	76.49			
7/29/2010	13.78	89.18	7/29/2010	dry				
6/10/2011	12.54	90.42	6/10/2011	dry		6/10/2011	dry	
9/23/2011	14.33	88.63	9/23/2011	dry		9/23/2011	dry	
Resurvey 10/27/16		1260.2	*Resurvey 10/27/16*		1252.87	*Resurvey 10/27/16*		1259.87
10/26/2016	12.45	1247.75	10/26/2016	15.17	1237.7	10/26/2016	dry	
3/23/2017	COULD NOT LOCATE		3/23/2017	15.94	1236.93	3/23/2017	DRY	

MW-7			TMW-1			TMW-2		
Surface Elevation (ft)		98	Surface Elevation (ft)		101	Surface Elevation (ft)		100
Top of Casing elevation (ft)		99.99	Top of Casing elevation (ft)		102.87	Top of Casing elevation (ft)		101.22
Top of Screen Elevation (ft)		93	Top of Screen Elevation (ft)		90	Top of Screen Elevation (ft)		90
Bottom of Screen Elevation (ft)		83	Bottom of Screen Elevation (ft)		85	Bottom of Screen Elevation (ft)		80
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)
installed 6/6/11			installed 9/24/08			installed 9/24/08		
			10/1/2008	10.1	92.77	10/1/2008	10.75	90.47
			2/5/2009	NM	NM	2/5/2009	15.24	85.98
6/10/2011	17.07	82.92	7/20/2009	11.71	91.16	7/20/2009	12.65	88.57
9/23/2011	16.17	83.82	10/22/2009	10.2	92.67	10/22/2009	inaccessible - house	
Resurvey 10/27/16		1257.24	(casing cut)					
10/26/2016	15.84	1241.4						
3/23/2017	15.23	1242.01						

TMW-9			TMW-12			TMW-15		
Surface Elevation (ft)		102	Surface Elevation (ft)		102	Surface Elevation (ft)		96.5
Top of Casing elevation (ft)		101.8	Top of Casing elevation (ft)		104.00	Top of Casing elevation (ft)		96.24
Top of Screen Elevation (ft)		96.8	Top of Screen Elevation (ft)		97	Top of Screen Elevation (ft)		91.5
Bottom of Screen Elevation (ft)		86.8	Bottom of Screen Elevation (ft)		87	Bottom of Screen Elevation (ft)		81.5
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)
installed 1/19/09			installed 9/24/08			installed 1/20/09		
			10/1/2008	8.14	95.86			
2/5/2009	dry	dry	2/5/2009	15.37	88.63	2/5/2009	13.31	82.93
7/20/2009	14.39	87.41	7/20/2009	8.55	95.45	7/20/2009	11.45	84.79
10/22/2009	inaccessible - truck		10/22/2009	6.9	casing cut	10/22/2009	11.32	84.92
						Resurvey 10/27/16		1253.5
						10/26/2016	9.8	1243.7
						3/23/2017	9.18	1244.32

Table 3: Ground Water Elevation Data (page two of three)

PZ-1			PZ-2			PZ-3		
Surface Elevation (ft)		1257.75	Surface Elevation (ft)		1253.2	Surface Elevation (ft)		1260.7
Top of Casing elevation (ft)		1257.63	Top of Casing elevation (ft)		1253.01	Top of Casing elevation (ft)		1260.57
Top of Screen Elevation (ft)		1198	Top of Screen Elevation (ft)		1195	Top of Screen Elevation (ft)		1196
Bottom of Screen Elevation (ft)		1188	Bottom of Screen Elevation (ft)		1185	Bottom of Screen Elevation (ft)		1181
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)
installed 6/10/2009								
7/20/2009	60.6	1197.03						
10/22/2009	61.05	1196.58	Installed 3/4/2010			installed 3/5/2010		
4/12/2010	61.29	1196.34	4/12/2010	56.66	1196.35	4/12/2010	64.12	1196.45
7/29/2010	61.2	1196.43	7/29/2010	56.55	1196.46	7/29/2010	64	1196.57
6/10/2011	58.41	1199.22	6/10/2011	53.78	1199.23	6/10/2011	61.33	1199.24
9/23/2011	56.45	1201.18	9/23/2011	51.8	1201.21	9/23/2011	59.41	1201.16
6/22/2012	54.19	1203.44	6/22/2012	49.64	1203.37	6/22/2012	57.04	1203.53
9/24/2012	54.11	1203.52	9/24/2012	49.58	1203.43	9/24/2012	57	1203.57
7/1/2013	56.45	1201.18	7/1/2013	51.88	1201.13	7/1/2013	59.23	1201.34
10/10/2013	56.45	1201.18	10/10/2013	51.91	1201.1	10/10/2013	59.28	1201.29
7/24/2014	56.41	1201.22	7/24/2014	51.87	1201.14	7/24/2014	59.3	1201.27
10/8/2014	55.31	1202.32	10/8/2014	50.72	1202.29	10/8/2014	58.23	1202.34
Resurvey 10/27/16		1257.74	*Resurvey 10/27/16*		1253.14	*Resurvey 10/27/16*		1260.77
10/26/2016	48.52	1209.22	10/26/2016	43.99	1209.15	10/26/2016	51.39	1209.38
3/23/2017	48.5	1209.24	3/23/2017	44.04	1209.1	3/23/2017	51.35	1209.42

PZ-4			PZ-5			PZ-6		
Surface Elevation (ft)		1260	Surface Elevation (ft)		1252.7	Surface Elevation (ft)		1255
Top of Casing elevation (ft)		1259.94	Top of Casing elevation (ft)		1252.56	Top of Casing elevation (ft)		1257.06
Top of Screen Elevation (ft)		1205	Top of Screen Elevation (ft)		1202	Top of Screen Elevation (ft)		1205
Bottom of Screen Elevation (ft)		1190	Bottom of Screen Elevation (ft)		1188	Bottom of Screen Elevation (ft)		1190
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)
installed 5/11/11			installed 5/12/11			installed 6/6/11		
6/10/2011	60.74	1199.2	6/10/2011	53.39	1199.17	6/10/2011	57.89	1199.17
9/23/2011	58.8	1201.14	9/23/2011	51.4	1201.16	9/23/2011	55.9	1201.16
6/22/2012	56.41	1203.53	6/22/2012	49.25	1203.31	6/22/2012	53.65	1203.41
9/24/2012	56.32	1203.62	9/24/2012	49.21	1203.35	9/24/2012	53.62	1203.44
7/1/2013	58.65	1201.29	7/1/2013	51.53	1201.03	7/1/2013	55.82	1201.24
10/10/2013	58.64	1201.3	10/10/2013	51.54	1201.02	10/10/2013	55.91	1201.15
7/24/2014	58.65	1201.29	7/24/2014	51.48	1201.08	7/24/2014	55.91	1201.15
10/8/2014	57.59	1202.35	10/8/2014	50.28	1202.28	10/8/2014	54.71	1202.35
Resurvey 10/27/16		1260.07	*Resurvey 10/27/16*		1252.74	*Resurvey 10/27/16*		1257.22
10/26/2016	50.71	1209.36	10/26/2016	43.61	1209.13	10/26/2016	48.03	1209.19
3/23/2017	50.68	1209.39	3/23/2017	43.62	1209.12	3/23/2017	48.02	1209.2

PZ-7			PZ-8		
Surface Elevation (ft)		1256.7	Surface Elevation (ft)		1260.7
Top of Casing elevation (ft)		1256.11	Top of Casing elevation (ft)		1260.65
Top of Screen Elevation (ft)		1206	Top of Screen Elevation (ft)		1206
Bottom of Screen Elevation (ft)		1191	Bottom of Screen Elevation (ft)		1191
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)
installed 6/13/12			installed 6/13/12		
6/22/2012	52.51	1203.6	6/22/2012	57.08	1203.57
9/24/2012	52.5	1203.61	9/24/2012	56.99	1203.66
7/1/2013	54.85	1201.26	7/1/2013	59.3	1201.35
10/10/2013	54.86	1201.25	10/10/2013	59.33	1201.32
7/24/2014	54.85	1201.26	7/24/2014	59.36	1201.29
10/8/2014	53.77	1202.34	10/8/2014	58.32	1202.33
Resurvey 10/27/16		1256.24	*Resurvey 10/27/16*		1260.81
10/26/2016	46.83	1209.41	10/26/2016	51.38	1209.43
3/23/2017	46.81	1209.43	3/23/2017	51.29	1209.52

Table 3: Ground Water Elevation Data (page three of three)

PZ-9A			PZ-9B			
Surface Elevation (ft)		1262.9	Surface Elevation (ft)		1263	
Top of Casing elevation (ft)		1262.86	Top of Casing elevation (ft)		1262.87	
Top of Screen Elevation (ft)		1209	Top of Screen Elevation (ft)		1183	
Bottom of Screen Elevation (ft)		1194	Bottom of Screen Elevation (ft)		1178	
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	**Vertical Gradient** (positive downward)
installed 6/3/13			installed 6/3/13			
7/1/2013	61.2	1201.66	7/1/2013	61.26	1201.61	0.002
10/10/2013	61.3	1201.56	10/10/2013	61.35	1201.52	0.002
7/24/2014	61.47	1201.39	7/24/2014	61.49	1201.38	0.000
10/8/2014	60.41	1202.45	10/8/2014	60.46	1202.41	0.002
Resurvey 10/27/16		1263.02	*Resurvey 10/27/16*		1263.03	
10/26/2016	53.37	1209.65	10/26/2016	53.35	1209.68	-0.001
3/23/2017	53.18	1209.84	3/23/2017	53.16	1209.87	-0.001

PZ-10			PZ-11			PZ-12		
Surface Elevation (ft)		1263.2	Surface Elevation (ft)		1257.5	Surface Elevation (ft)		1263.75
Top of Casing elevation (ft)		1263.09	Top of Casing elevation (ft)		1257.21	Top of Casing elevation (ft)		1263.54
Top of Screen Elevation (ft)		1209	Top of Screen Elevation (ft)		1205.5	Top of Screen Elevation (ft)		1209.75
Bottom of Screen Elevation (ft)		1194	Bottom of Screen Elevation (ft)		1190.5	Bottom of Screen Elevation (ft)		1194.75
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)
installed 6/3/13			installed 6/3/13			installed July 2014		
7/1/2013	61.72	1201.37	7/1/2013	56.04	1201.17			
10/10/2013	61.84	1201.25	10/10/2013	56.05	1201.16			
7/24/2014	61.93	1201.16	7/24/2014	55.98	1201.23	7/24/2014	62.02	1201.52
10/8/2014	60.82	1202.27	10/8/2014	54.91	1202.3	10/8/2014	61.01	1202.53
Resurvey 10/27/16		1263.26	*Resurvey 10/27/16*		1257.37	*Resurvey 10/27/16*		1263.75
10/26/2016	53.84	1209.42	10/26/2016	48.07	1209.3	10/26/2016	53.98	1209.77
3/23/2017	53.71	1209.55	3/23/2017	47.96	1209.41	3/23/2017	53.82	1209.93

PZ-13			PZ-14			PZ-15		
Surface Elevation (ft)		1254	Surface Elevation (ft)		1254.8	Surface Elevation (ft)		1265.25
Top of Casing elevation (ft)		1253.77	Top of Casing elevation (ft)		1254.6	Top of Casing elevation (ft)		1265.12
Top of Screen Elevation (ft)		1207.5	Top of Screen Elevation (ft)		1208	Top of Screen Elevation (ft)		1210
Bottom of Screen Elevation (ft)		1192.5	Bottom of Screen Elevation (ft)		1193	Bottom of Screen Elevation (ft)		1195
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)
installed July 2014			installed July 2014			installed July 2014		
7/24/2014	52.58	1201.19	7/24/2014	53.47	1201.13	8/26/2014	63.21	1201.91
10/8/2014	51.41	1202.36	10/8/2014	52.33	1202.27	10/8/2014	62.58	1202.54
Resurvey 10/27/16		1253.84	*Resurvey 10/27/16*		1254.7	*Resurvey 10/27/16*		1265.08
10/26/2016	44.73	1209.11	10/26/2016	45.61	1209.09	10/26/2016	55.51	1209.57
3/23/2017	44.88	1208.96	3/23/2017	45.63	1209.07	3/23/2017	55.41	1209.67

FIGURES

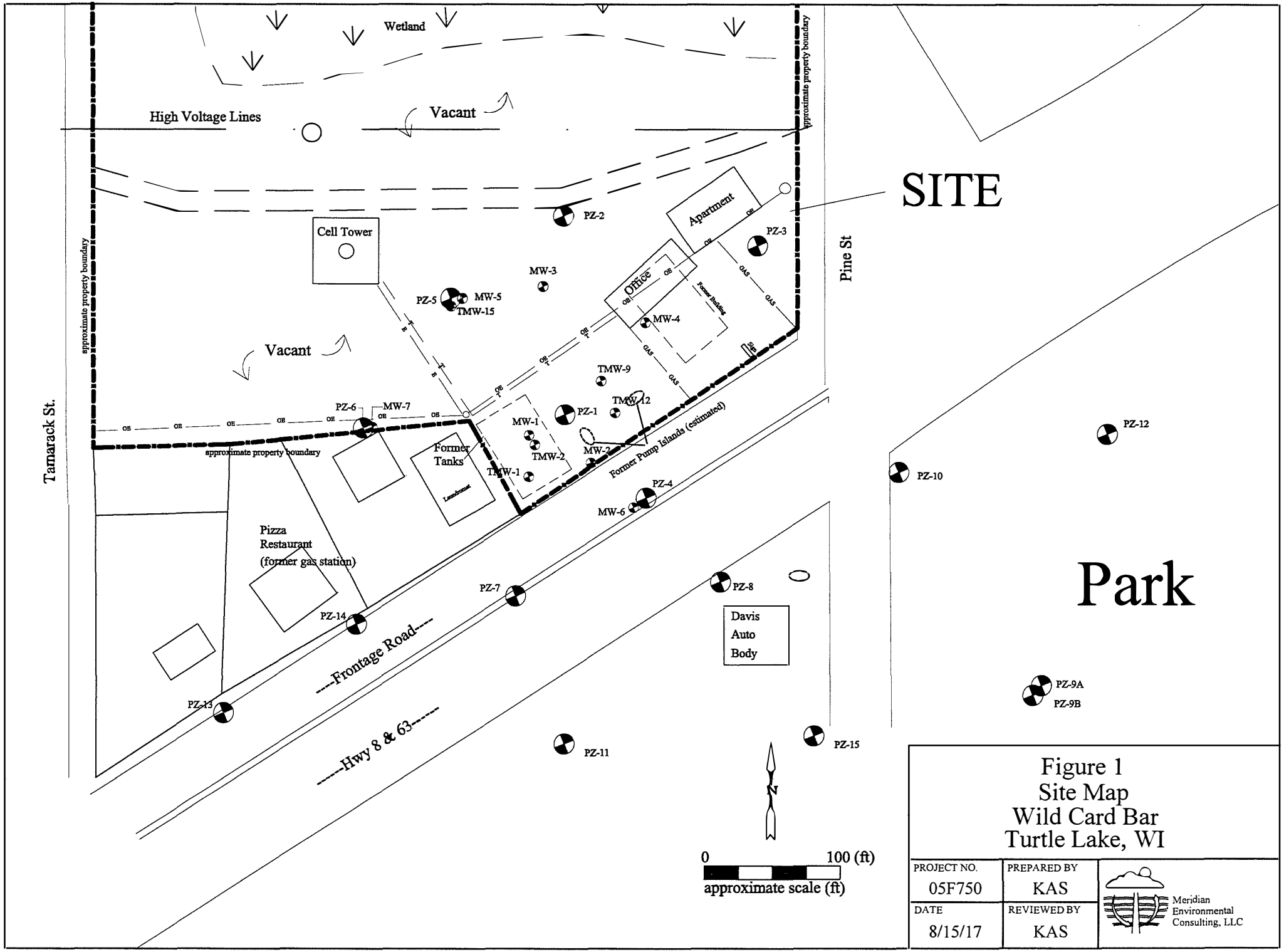

Figure 1
Site Map
Wild Card Bar
Turtle Lake, WI

PROJECT NO.	PREPARED BY
05F750	KAS
DATE	REVIEWED BY
8/15/17	KAS

Meridian Environmental Consulting, LLC

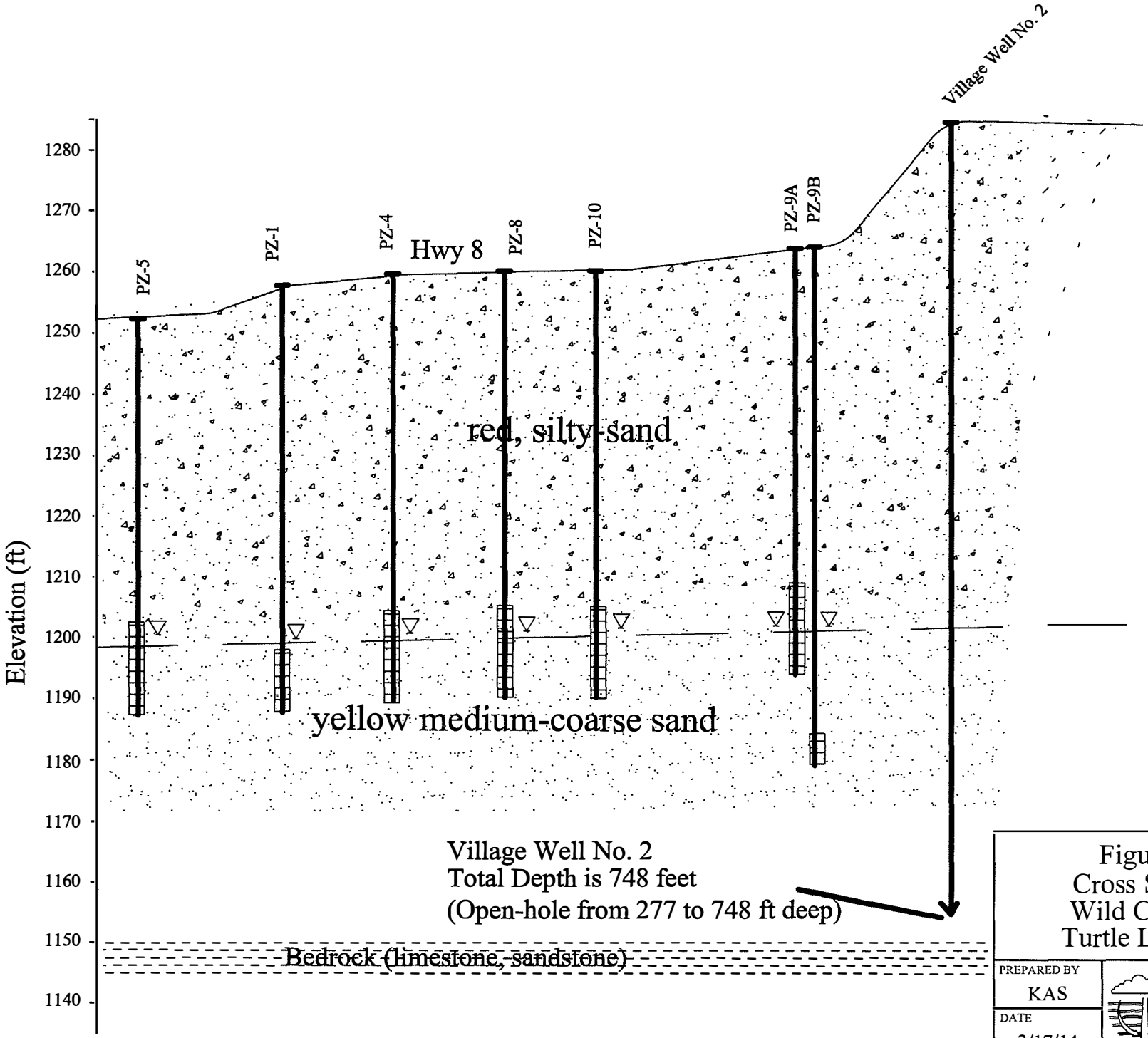

Figure 2
Cross Section
Wild Card Bar
Turtle Lake, WI

PREPARED BY
KAS

DATE
3/17/14

Meridian Environmental Consulting, LLC

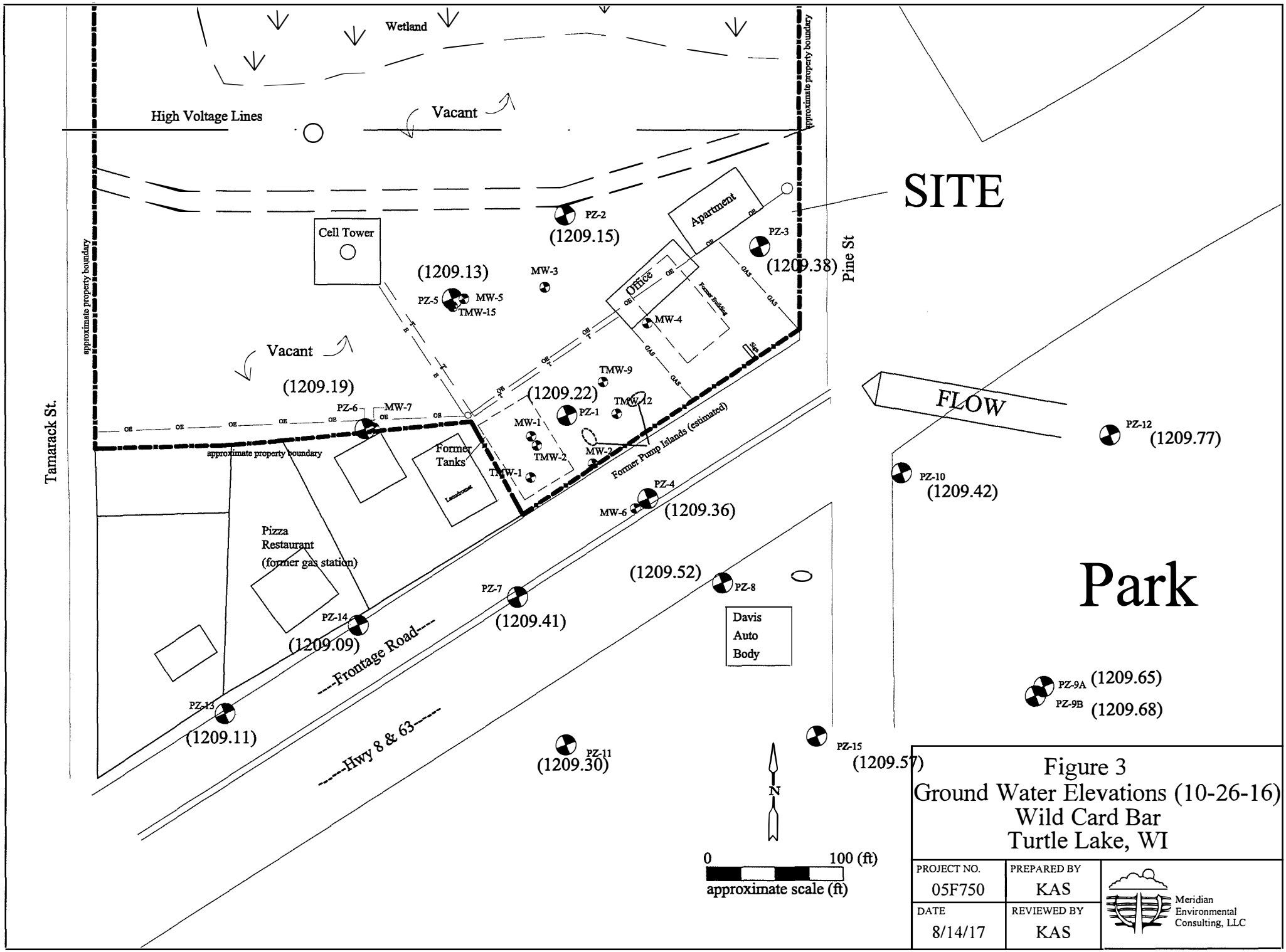

Figure 3
Ground Water Elevations (10-26-16)
Wild Card Bar
Turtle Lake, WI

PROJECT NO.	PREPARED BY
05F750	KAS
DATE	REVIEWED BY
8/14/17	KAS

Meridian Environmental Consulting, LLC

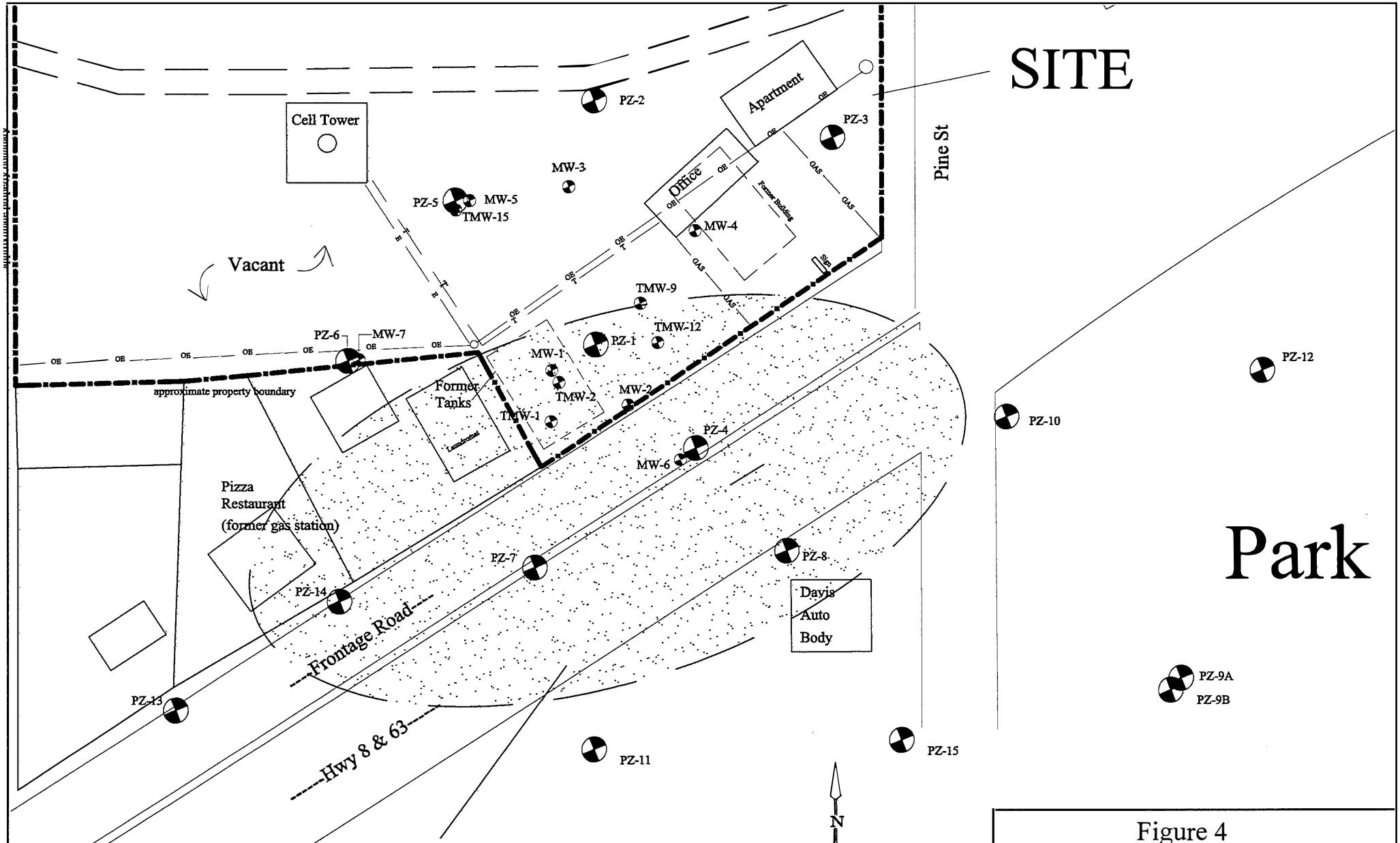

Figure 4
Estimated Extent of Impacted Ground Water
Wild Card Bar
Turtle Lake, WI

PROJECT NO.	PREPARED BY
05F750	KAS
DATE	REVIEWED BY
8/14/17	KAS

Meridian Environmental Consulting, LLC

APPENDIX A

Laboratory Reports

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

November 04, 2016

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

RE: Project: WILD CARD
Pace Project No.: 40141084

Dear Kenneth Shimko:
Enclosed are the analytical results for sample(s) received by the laboratory on November 01, 2016. 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
Project Manager

Enclosures

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: WILD CARD
Pace Project No.: 40141084

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
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(920)469-2436

SAMPLE SUMMARY

Project: WILD CARD
Pace Project No.: 40141084

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40141084001	MW-1	Water	10/26/16 00:00	11/01/16 07:15
40141084002	MW-2	Water	10/26/16 00:00	11/01/16 07:15
40141084003	MW-3	Water	10/26/16 00:00	11/01/16 07:15
40141084004	MW-4	Water	10/26/16 00:00	11/01/16 07:15
40141084005	MW-5	Water	10/27/16 00:00	11/01/16 07:15
40141084006	MW-7	Water	10/27/16 00:00	11/01/16 07:15
40141084007	P-1	Water	10/26/16 00:00	11/01/16 07:15
40141084008	P-2	Water	10/26/16 00:00	11/01/16 07:15
40141084009	P-3	Water	10/26/16 00:00	11/01/16 07:15
40141084010	P-4	Water	10/26/16 00:00	11/01/16 07:15
40141084011	P-5	Water	10/26/16 00:00	11/01/16 07:15
40141084012	P-6	Water	10/26/16 00:00	11/01/16 07:15
40141084013	P-7	Water	10/26/16 00:00	11/01/16 07:15
40141084014	P-8	Water	10/27/16 00:00	11/01/16 07:15
40141084015	P-9A	Water	10/27/16 00:00	11/01/16 07:15
40141084016	P-9B	Water	10/27/16 00:00	11/01/16 07:15
40141084017	P-10	Water	10/27/16 00:00	11/01/16 07:15
40141084018	P-11	Water	10/27/16 00:00	11/01/16 07:15
40141084019	P-12	Water	10/27/16 00:00	11/01/16 07:15
40141084020	P-13	Water	10/26/16 00:00	11/01/16 07:15
40141084021	P-14	Water	10/26/16 00:00	11/01/16 07:15
40141084022	P-15	Water	10/27/16 00:00	11/01/16 07:15
40141084023	T-15	Water	10/26/16 00:00	11/01/16 07:15
40141084024	TRIP BLANK	Water	10/26/16 00:00	11/01/16 07:15

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SAMPLE ANALYTE COUNT

Project: WILD CARD
Pace Project No.: 40141084

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40141084001	MW-1	WI MOD GRO	ALD	9	PASI-G
40141084002	MW-2	WI MOD GRO	ALD	9	PASI-G
40141084003	MW-3	WI MOD GRO	ALD	9	PASI-G
40141084004	MW-4	WI MOD GRO	ALD	9	PASI-G
40141084005	MW-5	WI MOD GRO	ALD	9	PASI-G
40141084006	MW-7	WI MOD GRO	ALD	9	PASI-G
40141084007	P-1	WI MOD GRO	ALD	9	PASI-G
40141084008	P-2	WI MOD GRO	ALD	9	PASI-G
40141084009	P-3	WI MOD GRO	ALD	9	PASI-G
40141084010	P-4	WI MOD GRO	ALD	9	PASI-G
40141084011	P-5	WI MOD GRO	ALD	9	PASI-G
40141084012	P-6	WI MOD GRO	ALD	9	PASI-G
40141084013	P-7	WI MOD GRO	ALD	9	PASI-G
40141084014	P-8	WI MOD GRO	ALD	9	PASI-G
40141084015	P-9A	WI MOD GRO	ALD	9	PASI-G
40141084016	P-9B	WI MOD GRO	ALD	9	PASI-G
40141084017	P-10	WI MOD GRO	ALD	9	PASI-G
40141084018	P-11	WI MOD GRO	ALD	9	PASI-G
40141084019	P-12	WI MOD GRO	ALD	9	PASI-G
40141084020	P-13	WI MOD GRO	ALD	9	PASI-G
40141084021	P-14	WI MOD GRO	ALD	9	PASI-G
40141084022	P-15	WI MOD GRO	ALD	9	PASI-G
40141084023	T-15	WI MOD GRO	ALD	9	PASI-G
40141084024	TRIP BLANK	WI MOD GRO	ALD	9	PASI-G

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PROJECT NARRATIVE

Project: WILD CARD
Pace Project No.: 40141084

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: Meridian Environmental Consulting, LLC
Date: November 04, 2016

General Information:
24 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: 240002

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40141084021

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

- MS (Lab ID: 1421999)
  - 1,2,4-Trimethylbenzene
  - Benzene
  - Ethylbenzene
  - Toluene
- MSD (Lab ID: 1422000)
  - 1,2,4-Trimethylbenzene
  - Benzene
  - Ethylbenzene
  - Naphthalene
  - Toluene

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: WILD CARD
Pace Project No.: 40141084

Sample: MW-1 **Lab ID: 40141084001** Collected: 10/26/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/02/16 14:46	71-43-2	
Ethylbenzene	**4.5**	ug/L	1.0	0.39	1		11/02/16 14:46	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 14:46	1634-04-4	
Naphthalene	**76.0**	ug/L	1.0	0.42	1		11/02/16 14:46	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 14:46	108-88-3	
1,2,4-Trimethylbenzene	**110**	ug/L	1.0	0.42	1		11/02/16 14:46	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 14:46	108-67-8	
Xylene (Total)	**8.3**	ug/L	3.0	1.2	1		11/02/16 14:46	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		11/02/16 14:46	98-08-8	

Sample: MW-2 **Lab ID: 40141084002** Collected: 10/26/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/02/16 12:37	71-43-2	
Ethylbenzene	**17.5**	ug/L	1.0	0.39	1		11/02/16 12:37	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 12:37	1634-04-4	
Naphthalene	**54.5**	ug/L	1.0	0.42	1		11/02/16 12:37	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 12:37	108-88-3	
1,2,4-Trimethylbenzene	**32.6**	ug/L	1.0	0.42	1		11/02/16 12:37	95-63-6	
1,3,5-Trimethylbenzene	**3.6**	ug/L	1.0	0.42	1		11/02/16 12:37	108-67-8	
Xylene (Total)	**2.2J**	ug/L	3.0	1.2	1		11/02/16 12:37	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		11/02/16 12:37	98-08-8	

Sample: MW-3 **Lab ID: 40141084003** Collected: 10/26/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**0.49J**	ug/L	1.0	0.40	1		11/04/16 12:24	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		11/04/16 12:24	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/04/16 12:24	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		11/04/16 12:24	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/04/16 12:24	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/04/16 12:24	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/04/16 12:24	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/04/16 12:24	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		11/04/16 12:24	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: WILD CARD
Pace Project No.: 40141084

Sample: MW-4 **Lab ID: 40141084004** Collected: 10/26/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/02/16 12:12	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 12:12	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 12:12	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 12:12	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 12:12	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 12:12	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 12:12	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/02/16 12:12	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		11/02/16 12:12	98-08-8	

Sample: MW-5 **Lab ID: 40141084005** Collected: 10/27/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/02/16 17:47	71-43-2	
Ethylbenzene	**0.69J**	ug/L	1.0	0.39	1		11/02/16 17:47	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 17:47	1634-04-4	
Naphthalene	**89.3**	ug/L	1.0	0.42	1		11/02/16 17:47	91-20-3	
Toluene	**0.40J**	ug/L	1.0	0.39	1		11/02/16 17:47	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 17:47	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 17:47	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/02/16 17:47	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		11/02/16 17:47	98-08-8	

Sample: MW-7 **Lab ID: 40141084006** Collected: 10/27/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/04/16 13:15	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		11/04/16 13:15	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/04/16 13:15	1634-04-4	
Naphthalene	**6.4**	ug/L	1.0	0.42	1		11/04/16 13:15	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/04/16 13:15	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/04/16 13:15	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/04/16 13:15	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/04/16 13:15	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		11/04/16 13:15	98-08-8	

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ANALYTICAL RESULTS

Project: WILD CARD
Pace Project No.: 40141084

Sample: P-1 **Lab ID: 40141084007** Collected: 10/26/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**10.6**	ug/L	1.0	0.40	1		11/02/16 13:27	71-43-2	
Ethylbenzene	**0.94J**	ug/L	1.0	0.39	1		11/02/16 13:27	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 13:27	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 13:27	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 13:27	108-88-3	
1,2,4-Trimethylbenzene	**0.52J**	ug/L	1.0	0.42	1		11/02/16 13:27	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 13:27	108-67-8	
Xylene (Total)	**1.3J**	ug/L	3.0	1.2	1		11/02/16 13:27	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		11/02/16 13:27	98-08-8	

Sample: P-2 **Lab ID: 40141084008** Collected: 10/26/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/02/16 13:53	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 13:53	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 13:53	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 13:53	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 13:53	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 13:53	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 13:53	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/02/16 13:53	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		11/02/16 13:53	98-08-8	

Sample: P-3 **Lab ID: 40141084009** Collected: 10/26/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/02/16 14:18	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 14:18	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 14:18	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 14:18	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 14:18	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 14:18	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 14:18	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/02/16 14:18	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		11/02/16 14:18	98-08-8	

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ANALYTICAL RESULTS

Project: WILD CARD
Pace Project No.: 40141084

Sample: P-4 **Lab ID: 40141084010** Collected: 10/26/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**285**	ug/L	4.0	1.6	4		11/02/16 20:42	71-43-2	
Ethylbenzene	**77.0**	ug/L	4.0	1.6	4		11/02/16 20:42	100-41-4	
Methyl-tert-butyl ether	**47.1**	ug/L	4.0	1.9	4		11/02/16 20:42	1634-04-4	
Naphthalene	**1.9J**	ug/L	4.0	1.7	4		11/02/16 20:42	91-20-3	
Toluene	**5.1**	ug/L	4.0	1.6	4		11/02/16 20:42	108-88-3	
1,2,4-Trimethylbenzene	**<1.7**	ug/L	4.0	1.7	4		11/02/16 20:42	95-63-6	
1,3,5-Trimethylbenzene	**<1.7**	ug/L	4.0	1.7	4		11/02/16 20:42	108-67-8	
Xylene (Total)	**<5.0**	ug/L	12.0	5.0	4		11/02/16 20:42	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		4		11/02/16 20:42	98-08-8	

Sample: P-5 **Lab ID: 40141084011** Collected: 10/26/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/02/16 14:44	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 14:44	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 14:44	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 14:44	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 14:44	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 14:44	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 14:44	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/02/16 14:44	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		11/02/16 14:44	98-08-8	

Sample: P-6 **Lab ID: 40141084012** Collected: 10/26/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/02/16 15:09	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 15:09	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 15:09	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 15:09	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 15:09	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 15:09	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 15:09	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/02/16 15:09	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		11/02/16 15:09	98-08-8	

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ANALYTICAL RESULTS

Project: WILD CARD
Pace Project No.: 40141084

Sample: P-7 **Lab ID: 40141084013** Collected: 10/26/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**17.1**	ug/L	1.0	0.40	1		11/02/16 15:35	71-43-2	
Ethylbenzene	**61.2**	ug/L	1.0	0.39	1		11/02/16 15:35	100-41-4	
Methyl-tert-butyl ether	**7.7**	ug/L	1.0	0.48	1		11/02/16 15:35	1634-04-4	
Naphthalene	**5.3**	ug/L	1.0	0.42	1		11/02/16 15:35	91-20-3	
Toluene	**34.4**	ug/L	1.0	0.39	1		11/02/16 15:35	108-88-3	
1,2,4-Trimethylbenzene	**25.1**	ug/L	1.0	0.42	1		11/02/16 15:35	95-63-6	
1,3,5-Trimethylbenzene	**11.5**	ug/L	1.0	0.42	1		11/02/16 15:35	108-67-8	
Xylene (Total)	**76.9**	ug/L	3.0	1.2	1		11/02/16 15:35	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	94	%	80-120		1		11/02/16 15:35	98-08-8	

Sample: P-8 **Lab ID: 40141084014** Collected: 10/27/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**2760**	ug/L	20.0	7.9	20		11/02/16 18:34	71-43-2	
Ethylbenzene	**419**	ug/L	20.0	7.9	20		11/02/16 18:34	100-41-4	
Methyl-tert-butyl ether	**95.2**	ug/L	20.0	9.7	20		11/02/16 18:34	1634-04-4	
Naphthalene	**64.1**	ug/L	20.0	8.5	20		11/02/16 18:34	91-20-3	
Toluene	**926**	ug/L	20.0	7.8	20		11/02/16 18:34	108-88-3	
1,2,4-Trimethylbenzene	**164**	ug/L	20.0	8.4	20		11/02/16 18:34	95-63-6	
1,3,5-Trimethylbenzene	**63.2**	ug/L	20.0	8.3	20		11/02/16 18:34	108-67-8	
Xylene (Total)	**665**	ug/L	60.0	24.9	20		11/02/16 18:34	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		20		11/02/16 18:34	98-08-8	

Sample: P-9A **Lab ID: 40141084015** Collected: 10/27/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/02/16 16:01	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 16:01	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 16:01	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 16:01	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 16:01	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 16:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 16:01	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/02/16 16:01	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		11/02/16 16:01	98-08-8	

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ANALYTICAL RESULTS

Project: WILD CARD
Pace Project No.: 40141084

Sample: P-9B **Lab ID: 40141084016** Collected: 10/27/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/02/16 16:26	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 16:26	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 16:26	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 16:26	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 16:26	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 16:26	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 16:26	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/02/16 16:26	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		11/02/16 16:26	98-08-8	

Sample: P-10 **Lab ID: 40141084017** Collected: 10/27/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/02/16 16:52	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 16:52	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 16:52	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 16:52	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 16:52	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 16:52	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 16:52	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/02/16 16:52	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		11/02/16 16:52	98-08-8	

Sample: P-11 **Lab ID: 40141084018** Collected: 10/27/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/02/16 21:59	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 21:59	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 21:59	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 21:59	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 21:59	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 21:59	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 21:59	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/02/16 21:59	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		11/02/16 21:59	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WILD CARD
Pace Project No.: 40141084

Sample: P-12 **Lab ID: 40141084019** Collected: 10/27/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/02/16 22:24	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 22:24	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 22:24	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 22:24	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 22:24	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 22:24	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 22:24	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/02/16 22:24	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		11/02/16 22:24	98-08-8	

Sample: P-13 **Lab ID: 40141084020** Collected: 10/26/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/02/16 22:50	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 22:50	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 22:50	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 22:50	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 22:50	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 22:50	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 22:50	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/02/16 22:50	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	109	%	80-120		1		11/02/16 22:50	98-08-8	

Sample: P-14 **Lab ID: 40141084021** Collected: 10/26/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**5070**	ug/L	20.0	7.9	20		11/02/16 19:00	71-43-2	M1
Ethylbenzene	**3500**	ug/L	20.0	7.9	20		11/02/16 19:00	100-41-4	M1
Methyl-tert-butyl ether	**24.5**	ug/L	20.0	9.7	20		11/02/16 19:00	1634-04-4	
Naphthalene	**740**	ug/L	20.0	8.5	20		11/02/16 19:00	91-20-3	M1
Toluene	**5120**	ug/L	20.0	7.8	20		11/02/16 19:00	108-88-3	M1
1,2,4-Trimethylbenzene	**2760**	ug/L	20.0	8.4	20		11/02/16 19:00	95-63-6	M1
1,3,5-Trimethylbenzene	**756**	ug/L	20.0	8.3	20		11/02/16 19:00	108-67-8	
Xylene (Total)	**16500**	ug/L	60.0	24.9	20		11/02/16 19:00	1330-20-7	MS
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		20		11/02/16 19:00	98-08-8	

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: WILD CARD
Pace Project No.: 40141084

Sample: P-15 **Lab ID: 40141084022** Collected: 10/27/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/03/16 15:57	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		11/03/16 15:57	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/03/16 15:57	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		11/03/16 15:57	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/03/16 15:57	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/03/16 15:57	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/03/16 15:57	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/03/16 15:57	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		11/03/16 15:57	98-08-8	

Sample: T-15 **Lab ID: 40141084023** Collected: 10/26/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**0.50J**	ug/L	1.0	0.40	1		11/02/16 23:16	71-43-2	
Ethylbenzene	**1.9**	ug/L	1.0	0.39	1		11/02/16 23:16	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 23:16	1634-04-4	
Naphthalene	**446**	ug/L	10.0	4.2	10		11/03/16 17:53	91-20-3	HS
Toluene	**1.5**	ug/L	1.0	0.39	1		11/02/16 23:16	108-88-3	
1,2,4-Trimethylbenzene	**2.5**	ug/L	1.0	0.42	1		11/02/16 23:16	95-63-6	
1,3,5-Trimethylbenzene	**1.0**	ug/L	1.0	0.42	1		11/02/16 23:16	108-67-8	
Xylene (Total)	**3.5**	ug/L	3.0	1.2	1		11/02/16 23:16	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		11/02/16 23:16	98-08-8	

Sample: TRIP BLANK **Lab ID: 40141084024** Collected: 10/26/16 00:00 Received: 11/01/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		11/02/16 17:17	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 17:17	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		11/02/16 17:17	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 17:17	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		11/02/16 17:17	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 17:17	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/02/16 17:17	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		11/02/16 17:17	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	106	%	80-120		1		11/02/16 17:17	98-08-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WILD CARD
Pace Project No.: 40141084

QC Batch: 240001 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40141084001, 40141084002, 40141084003, 40141084004, 40141084005, 40141084006

METHOD BLANK: 1421574 Matrix: Water
Associated Lab Samples: 40141084001, 40141084002, 40141084003, 40141084004, 40141084005, 40141084006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	11/02/16 08:20	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	11/02/16 08:20	
Benzene	ug/L	<0.40	1.0	11/02/16 08:20	
Ethylbenzene	ug/L	<0.39	1.0	11/02/16 08:20	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	11/02/16 08:20	
Naphthalene	ug/L	<0.42	1.0	11/02/16 08:20	
Toluene	ug/L	<0.39	1.0	11/02/16 08:20	
Xylene (Total)	ug/L	<1.2	3.0	11/02/16 08:20	
a,a,a-Trifluorotoluene (S)	%	102	80-120	11/02/16 08:20	

LABORATORY CONTROL SAMPLE & LCSD: 1421575 1421576

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	21.6	21.5	108	108	80-120	0	20	
1,3,5-Trimethylbenzene	ug/L	20	21.2	21.2	106	106	80-120	0	20	
Benzene	ug/L	20	22.1	22.0	110	110	80-120	1	20	
Ethylbenzene	ug/L	20	21.3	21.2	107	106	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	22.4	21.0	112	105	80-120	7	20	
Naphthalene	ug/L	20	19.5	18.9	97	95	80-120	3	20	
Toluene	ug/L	20	21.7	21.4	108	107	80-120	1	20	
Xylene (Total)	ug/L	60	63.3	63.4	106	106	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				102	101	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1421819 1421820

Parameter	Units	40141072002 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	598	200	200	832	843	117	123	48-177	1	20	
1,3,5-Trimethylbenzene	ug/L	430	200	200	662	669	116	119	73-145	1	20	
Benzene	ug/L	9.9J	200	200	232	231	111	111	74-139	0	20	
Ethylbenzene	ug/L	1650	200	200	1860	1890	101	119	74-140	2	20	
Methyl-tert-butyl ether	ug/L	6.2J	200	200	219	225	106	109	80-120	3	20	
Naphthalene	ug/L	496	200	200	692	727	98	115	73-133	5	20	
Toluene	ug/L	<3.9	200	200	227	229	114	115	80-128	1	20	
Xylene (Total)	ug/L	128	600	600	778	788	108	110	69-143	1	20	
a,a,a-Trifluorotoluene (S)	%						105	104	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

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: WILD CARD
Pace Project No.: 40141084

QC Batch: 240002 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40141084007, 40141084008, 40141084009, 40141084010, 40141084011, 40141084012, 40141084013, 40141084014, 40141084015, 40141084016, 40141084017, 40141084018, 40141084019, 40141084020, 40141084021, 40141084022, 40141084023, 40141084024

METHOD BLANK: 1421577 Matrix: Water
Associated Lab Samples: 40141084007, 40141084008, 40141084009, 40141084010, 40141084011, 40141084012, 40141084013, 40141084014, 40141084015, 40141084016, 40141084017, 40141084018, 40141084019, 40141084020, 40141084021, 40141084022, 40141084023, 40141084024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	11/02/16 11:45	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	11/02/16 11:45	
Benzene	ug/L	<0.40	1.0	11/02/16 11:45	
Ethylbenzene	ug/L	<0.39	1.0	11/02/16 11:45	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	11/02/16 11:45	
Naphthalene	ug/L	<0.42	1.0	11/02/16 11:45	
Toluene	ug/L	<0.39	1.0	11/02/16 11:45	
Xylene (Total)	ug/L	<1.2	3.0	11/02/16 11:45	
a,a,a-Trifluorotoluene (S)	%	99	80-120	11/02/16 11:45	

LABORATORY CONTROL SAMPLE & LCSD: 1421578 1421579

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	19.3	18.6	97	93	80-120	4	20	
1,3,5-Trimethylbenzene	ug/L	20	18.9	18.2	94	91	80-120	3	20	
Benzene	ug/L	20	20.6	20.4	103	102	80-120	1	20	
Ethylbenzene	ug/L	20	19.8	19.3	99	97	80-120	3	20	
Methyl-tert-butyl ether	ug/L	20	20.2	20.0	101	100	80-120	1	20	
Naphthalene	ug/L	20	18.5	18.1	92	91	80-120	2	20	
Toluene	ug/L	20	20.2	19.9	101	99	80-120	2	20	
Xylene (Total)	ug/L	60	59.1	57.5	98	96	80-120	3	20	
a,a,a-Trifluorotoluene (S)	%				101	100	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1421999 1422000

Parameter	Units	40141084021 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	2760	400	400	2940	2880	44	29	48-177	2	20	M1
1,3,5-Trimethylbenzene	ug/L	756	400	400	1080	1070	80	78	73-145	1	20	
Benzene	ug/L	5070	400	400	5110	4990	10	-20	74-139	2	20	M1
Ethylbenzene	ug/L	3500	400	400	3620	3540	31	11	74-140	2	20	M1
Methyl-tert-butyl ether	ug/L	24.5	400	400	414	408	97	96	80-120	2	20	
Naphthalene	ug/L	740	400	400	1060	1010	79	67	73-133	5	20	M1
Toluene	ug/L	5120	400	400	5160	5030	11	-23	80-128	3	20	M1
Xylene (Total)	ug/L	16500	1200	1200	16400	16000	-9	-39	69-143	2	20	MS

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
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(920)469-2436

QUALITY CONTROL DATA

Project: WILD CARD
Pace Project No.: 40141084

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1421999 1422000

Parameter	Units	40141084021 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)	%						98	98	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

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(920)469-2436

QUALIFIERS

Project: WILD CARD
Pace Project No.: 40141084

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).
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WILD CARD
Pace Project No.: 40141084

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40141084001	**MW-1**	WI MOD GRO	240001		
40141084002	**MW-2**	WI MOD GRO	240001		
40141084003	**MW-3**	WI MOD GRO	240001		
40141084004	**MW-4**	WI MOD GRO	240001		
40141084005	**MW-5**	WI MOD GRO	240001		
40141084006	**MW-7**	WI MOD GRO	240001		
40141084007	**P-1**	WI MOD GRO	240002		
40141084008	**P-2**	WI MOD GRO	240002		
40141084009	**P-3**	WI MOD GRO	240002		
40141084010	**P-4**	WI MOD GRO	240002		
40141084011	**P-5**	WI MOD GRO	240002		
40141084012	**P-6**	WI MOD GRO	240002		
40141084013	**P-7**	WI MOD GRO	240002		
40141084014	**P-8**	WI MOD GRO	240002		
40141084015	**P-9A**	WI MOD GRO	240002		
40141084016	**P-9B**	WI MOD GRO	240002		
40141084017	**P-10**	WI MOD GRO	240002		
40141084018	**P-11**	WI MOD GRO	240002		
40141084019	**P-12**	WI MOD GRO	240002		
40141084020	**P-13**	WI MOD GRO	240002		
40141084021	**P-14**	WI MOD GRO	240002		
40141084022	**P-15**	WI MOD GRO	240002		
40141084023	**T-15**	WI MOD GRO	240002		
40141084024	**TRIP BLANK**	WI MOD GRO	240002		

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

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CHAIN OF CUSTODY

401141084

Page 19 of 21

(Please Print Clearly)	
Company Name:	Meridian Env Co
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	715-832-6608
Project Number:	
Project Name:	W+D Card
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
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 Env Co
Mail To Address:	271 N. Elm St 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: PVOC+Naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-1	10/26		GW			X		3-40ml VB	
002	-2									
003	-3									
004	-4									
005	-5	10/27								
006	-7	10/27								
007	P-1	10/26								
008	-2									
009	-3									
010	-4									
011	-5									
012	-6									
013	-7									

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:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By: Dunham	Date/Time: 11-7-16 0715	Received By: Pace	Date/Time: 11-7-16 0715
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

Page 1 of 2

PACE Project No.: 401141084

Receipt Temp = ROI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019e(27Jun2006)

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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 Cslt
Branch/Location:	
Project Contact:	Ken Shinks
Phone:	715-832-6608
Project Number:	
Project Name:	Wild Card
Project State:	WI
Sampled By (Print):	Ken Shinks
Sampled By (Sign):	[signature]
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Ken Shinks
Mail To Company:	Meridian
Mail To Address:	2741 N. Eldorado 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: PVOC + Naph

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	PVOC + Naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
014	P-8	10/27		GW	X		3-40ml VB	
015	-9A	↓		↓	↓		↓	
016	-9B							
017	-10							
018	-11							
019	-12							
020	-13	10/26						
021	-14	10/26						
022	-15	10/27						
023	T-15	10/26					2-40ml VB	
024	Trip Blank ①						↓	

① In shipment Lab added to COC 11/1/16

Page 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:
[signature]	10/31/16 9am	Dunham	10/31/16 9a
Dunham	11-1-16 0715	[signature] Pace	11-1-16 0715

PACE Project No. 40141084

Receipt Temp = ROI °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present (Not Present circled)
Intact / Not Intact

Version 6.0 06/14/06

Pace Analytical™

Sample Condition Upon Receipt

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

Client Name: Meredean Env / Durham

Project #: **WO# : 40141084**

40141084

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: Durham

Tracking #: 1228873

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 N/A **Type of Ice:** Wet (Blue) Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROT /Corr: **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Person examining contents:
Date: 11-1-16
Initials: SW

	Yes	No	N/A	Comments:
Chain of Custody Present:	☒	☐	☐	1. Original and a copy 11-1-16 SW
Chain of Custody Filled Out:	☐	☒	☐	2. No collect time 11-1-16 SW
Chain of Custody Relinquished:	☒	☐	☐	3. Only Page 2 11-1-16 SW
Sampler Name & Signature on COC:	☒	☐	☐	4.
Samples Arrived within Hold Time:	☒	☐	☐	5.
- VOA Samples frozen upon receipt	☐	☐		Date/Time:
Short Hold Time Analysis (<72hr):	☐	☒	☐	6.
Rush Turn Around Time Requested:	☐	☒	☐	7.
Sufficient Volume:	☒	☐	☐	8.
Correct Containers Used:	☒	☐	☐	9.
-Pace Containers Used:	☒	☐	☐	
-Pace IR Containers Used:	☐	☐	☒	
Containers Intact:	☒	☐	☐	10.
Filtered volume received for Dissolved tests	☐	☐	☒	11.
Sample Labels match COC:	☐	☒	☐	12. No collect date on all samples. 001-thru 006 No W in ID 11-1-16 SW
-Includes date/time/ID/Analysis Matrix: W				
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐	☐	☒	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐	☐	☒	
exceptions: (VOA), coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☒	☐		Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐	☒	☐	14.
Trip Blank Present:	☒	☐	☐	15. In Shipment Lab added to COC 11-1-16 SW
Trip Blank Custody Seals Present	☒	☐	☐	
Pace Trip Blank Lot # (if purchased): 319 11-1-16 SW				

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

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: [signature] **Date:** 11-1-16

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

March 31, 2017

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

RE: Project: WILD CARD
Pace Project No.: 40147349

Dear Kenneth Shimko:
Enclosed are the analytical results for sample(s) received by the laboratory on March 28, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

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

Enclosures

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: WILD CARD
Pace Project No.: 40147349

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

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SAMPLE SUMMARY

Project: WILD CARD
Pace Project No.: 40147349

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40147349001	MW-1	Water	03/23/17 00:00	03/28/17 09:25
40147349002	MW-2	Water	03/23/17 00:00	03/28/17 09:25
40147349003	MW-3	Water	03/23/17 00:00	03/28/17 09:25
40147349004	MW-5	Water	03/23/17 00:00	03/28/17 09:25
40147349005	MW-7	Water	03/23/17 00:00	03/28/17 09:25
40147349006	P-1	Water	03/23/17 00:00	03/28/17 09:25
40147349007	P-2	Water	03/23/17 00:00	03/28/17 09:25
40147349008	P-3	Water	03/23/17 00:00	03/28/17 09:25
40147349009	P-4	Water	03/23/17 00:00	03/28/17 09:25
40147349010	P-5	Water	03/23/17 00:00	03/28/17 09:25
40147349011	P-6	Water	03/23/17 00:00	03/28/17 09:25
40147349012	P-7	Water	03/23/17 00:00	03/28/17 09:25
40147349013	P-8	Water	03/24/17 00:00	03/28/17 09:25
40147349014	P-9A	Water	03/24/17 00:00	03/28/17 09:25
40147349015	P-9B	Water	03/24/17 00:00	03/28/17 09:25
40147349016	P-10	Water	03/24/17 00:00	03/28/17 09:25
40147349017	P-11	Water	03/24/17 00:00	03/28/17 09:25
40147349018	P-12	Water	03/24/17 00:00	03/28/17 09:25
40147349019	P-13	Water	03/23/17 00:00	03/28/17 09:25
40147349020	P-14	Water	03/23/17 00:00	03/28/17 09:25
40147349021	P-15	Water	03/23/17 00:00	03/28/17 09:25
40147349022	T-15	Water	03/23/17 00:00	03/28/17 09:25
40147349023	TB	Water	03/23/17 00:00	03/28/17 09:25

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SAMPLE ANALYTE COUNT

Project: WILD CARD
Pace Project No.: 40147349

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40147349001	MW-1	WI MOD GRO	ALD	9	PASI-G
40147349002	MW-2	WI MOD GRO	ALD	9	PASI-G
40147349003	MW-3	WI MOD GRO	ALD	9	PASI-G
40147349004	MW-5	WI MOD GRO	ALD	9	PASI-G
40147349005	MW-7	WI MOD GRO	ALD	9	PASI-G
40147349006	P-1	WI MOD GRO	ALD	9	PASI-G
40147349007	P-2	WI MOD GRO	ALD	9	PASI-G
40147349008	P-3	WI MOD GRO	ALD	9	PASI-G
40147349009	P-4	WI MOD GRO	ALD	9	PASI-G
40147349010	P-5	WI MOD GRO	ALD	9	PASI-G
40147349011	P-6	WI MOD GRO	ALD	9	PASI-G
40147349012	P-7	WI MOD GRO	ALD	9	PASI-G
40147349013	P-8	WI MOD GRO	ALD	9	PASI-G
40147349014	P-9A	WI MOD GRO	ALD	9	PASI-G
40147349015	P-9B	WI MOD GRO	ALD	9	PASI-G
40147349016	P-10	WI MOD GRO	ALD	9	PASI-G
40147349017	P-11	WI MOD GRO	ALD	9	PASI-G
40147349018	P-12	WI MOD GRO	ALD	9	PASI-G
40147349019	P-13	WI MOD GRO	ALD	9	PASI-G
40147349020	P-14	WI MOD GRO	ALD	9	PASI-G
40147349021	P-15	WI MOD GRO	ALD	9	PASI-G
40147349022	T-15	WI MOD GRO	ALD	9	PASI-G
40147349023	TB	WI MOD GRO	ALD	9	PASI-G

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PROJECT NARRATIVE

Project: WILD CARD
Pace Project No.: 40147349

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: Meridian Environmental Consulting, LLC
Date: March 31, 2017

General Information:
23 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.

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ANALYTICAL RESULTS

Project: WILD CARD
Pace Project No.: 40147349

Sample: MW-1 **Lab ID: 40147349001** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		03/29/17 18:47	71-43-2	
Ethylbenzene	**3.7**	ug/L	1.0	0.39	1		03/29/17 18:47	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 18:47	1634-04-4	
Naphthalene	**70.4**	ug/L	1.0	0.42	1		03/29/17 18:47	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 18:47	108-88-3	
1,2,4-Trimethylbenzene	**112**	ug/L	1.0	0.42	1		03/29/17 18:47	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 18:47	108-67-8	
Xylene (Total)	**6.7**	ug/L	3.0	1.2	1		03/29/17 18:47	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		03/29/17 18:47	98-08-8	

Sample: MW-2 **Lab ID: 40147349002** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		03/29/17 17:55	71-43-2	
Ethylbenzene	**17.1**	ug/L	1.0	0.39	1		03/29/17 17:55	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 17:55	1634-04-4	
Naphthalene	**44.6**	ug/L	1.0	0.42	1		03/29/17 17:55	91-20-3	
Toluene	**0.41J**	ug/L	1.0	0.39	1		03/29/17 17:55	108-88-3	
1,2,4-Trimethylbenzene	**31.6**	ug/L	1.0	0.42	1		03/29/17 17:55	95-63-6	
1,3,5-Trimethylbenzene	**6.0**	ug/L	1.0	0.42	1		03/29/17 17:55	108-67-8	
Xylene (Total)	**4.8**	ug/L	3.0	1.2	1		03/29/17 17:55	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		03/29/17 17:55	98-08-8	

Sample: MW-3 **Lab ID: 40147349003** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**0.41J**	ug/L	1.0	0.40	1		03/29/17 17:30	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 17:30	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 17:30	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 17:30	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 17:30	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 17:30	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 17:30	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/29/17 17:30	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		03/29/17 17:30	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WILD CARD
Pace Project No.: 40147349

Sample: MW-5 **Lab ID: 40147349004** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**0.43J**	ug/L	1.0	0.40	1		03/30/17 23:39	71-43-2	
Ethylbenzene	**0.81J**	ug/L	1.0	0.39	1		03/30/17 23:39	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/30/17 23:39	1634-04-4	
Naphthalene	**111**	ug/L	1.0	0.42	1		03/30/17 23:39	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/30/17 23:39	108-88-3	
1,2,4-Trimethylbenzene	**0.48J**	ug/L	1.0	0.42	1		03/30/17 23:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/30/17 23:39	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/30/17 23:39	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		03/30/17 23:39	98-08-8	

Sample: MW-7 **Lab ID: 40147349005** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		03/29/17 16:39	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 16:39	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 16:39	1634-04-4	
Naphthalene	**1.9**	ug/L	1.0	0.42	1		03/29/17 16:39	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 16:39	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 16:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 16:39	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/29/17 16:39	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		03/29/17 16:39	98-08-8	

Sample: P-1 **Lab ID: 40147349006** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**10.2**	ug/L	1.0	0.40	1		03/29/17 17:04	71-43-2	
Ethylbenzene	**0.70J**	ug/L	1.0	0.39	1		03/29/17 17:04	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 17:04	1634-04-4	
Naphthalene	**0.49J**	ug/L	1.0	0.42	1		03/29/17 17:04	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 17:04	108-88-3	
1,2,4-Trimethylbenzene	**0.47J**	ug/L	1.0	0.42	1		03/29/17 17:04	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 17:04	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/29/17 17:04	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		03/29/17 17:04	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: WILD CARD
Pace Project No.: 40147349

Sample: P-2 **Lab ID: 40147349007** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		03/29/17 10:14	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 10:14	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 10:14	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 10:14	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 10:14	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 10:14	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 10:14	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/29/17 10:14	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		03/29/17 10:14	98-08-8	

Sample: P-3 **Lab ID: 40147349008** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		03/29/17 10:40	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 10:40	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 10:40	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 10:40	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 10:40	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 10:40	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 10:40	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/29/17 10:40	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		03/29/17 10:40	98-08-8	

Sample: P-4 **Lab ID: 40147349009** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**190**	ug/L	1.0	0.40	1		03/30/17 22:48	71-43-2	
Ethylbenzene	**5.3**	ug/L	1.0	0.39	1		03/30/17 22:48	100-41-4	
Methyl-tert-butyl ether	**6.7**	ug/L	1.0	0.48	1		03/30/17 22:48	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		03/30/17 22:48	91-20-3	
Toluene	**2.3**	ug/L	1.0	0.39	1		03/30/17 22:48	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/30/17 22:48	95-63-6	
1,3,5-Trimethylbenzene	**0.92J**	ug/L	1.0	0.42	1		03/30/17 22:48	108-67-8	
Xylene (Total)	**4.8**	ug/L	3.0	1.2	1		03/30/17 22:48	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		03/30/17 22:48	98-08-8	

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ANALYTICAL RESULTS

Project: WILD CARD
Pace Project No.: 40147349

Sample: P-5 **Lab ID: 40147349010** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		03/29/17 11:05	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 11:05	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 11:05	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 11:05	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 11:05	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 11:05	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 11:05	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/29/17 11:05	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		03/29/17 11:05	98-08-8	

Sample: P-6 **Lab ID: 40147349011** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		03/29/17 11:31	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 11:31	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 11:31	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 11:31	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 11:31	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 11:31	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 11:31	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/29/17 11:31	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		03/29/17 11:31	98-08-8	

Sample: P-7 **Lab ID: 40147349012** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**18.8**	ug/L	1.0	0.40	1		03/30/17 23:13	71-43-2	
Ethylbenzene	**51.9**	ug/L	1.0	0.39	1		03/30/17 23:13	100-41-4	
Methyl-tert-butyl ether	**4.3**	ug/L	1.0	0.48	1		03/30/17 23:13	1634-04-4	
Naphthalene	**3.7**	ug/L	1.0	0.42	1		03/30/17 23:13	91-20-3	
Toluene	**29.8**	ug/L	1.0	0.39	1		03/30/17 23:13	108-88-3	
1,2,4-Trimethylbenzene	**19.8**	ug/L	1.0	0.42	1		03/30/17 23:13	95-63-6	
1,3,5-Trimethylbenzene	**9.4**	ug/L	1.0	0.42	1		03/30/17 23:13	108-67-8	
Xylene (Total)	**66.5**	ug/L	3.0	1.2	1		03/30/17 23:13	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		03/30/17 23:13	98-08-8	

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ANALYTICAL RESULTS

Project: WILD CARD
Pace Project No.: 40147349

Sample: P-8 **Lab ID: 40147349013** Collected: 03/24/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**81.3**	ug/L	1.0	0.40	1		03/29/17 11:57	71-43-2	
Ethylbenzene	**10.5**	ug/L	1.0	0.39	1		03/29/17 11:57	100-41-4	
Methyl-tert-butyl ether	**2.8**	ug/L	1.0	0.48	1		03/29/17 11:57	1634-04-4	
Naphthalene	**2.5**	ug/L	1.0	0.42	1		03/29/17 11:57	91-20-3	
Toluene	**27.2**	ug/L	1.0	0.39	1		03/29/17 11:57	108-88-3	
1,2,4-Trimethylbenzene	**5.1**	ug/L	1.0	0.42	1		03/29/17 11:57	95-63-6	
1,3,5-Trimethylbenzene	**1.8**	ug/L	1.0	0.42	1		03/29/17 11:57	108-67-8	
Xylene (Total)	**24.9**	ug/L	3.0	1.2	1		03/29/17 11:57	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		03/29/17 11:57	98-08-8	

Sample: P-9A **Lab ID: 40147349014** Collected: 03/24/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		03/29/17 12:22	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 12:22	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 12:22	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 12:22	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 12:22	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 12:22	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 12:22	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/29/17 12:22	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		03/29/17 12:22	98-08-8	

Sample: P-9B **Lab ID: 40147349015** Collected: 03/24/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		03/29/17 12:48	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 12:48	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 12:48	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 12:48	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 12:48	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 12:48	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 12:48	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/29/17 12:48	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		03/29/17 12:48	98-08-8	

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ANALYTICAL RESULTS

Project: WILD CARD
Pace Project No.: 40147349

Sample: P-10 **Lab ID: 40147349016** Collected: 03/24/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		03/29/17 13:14	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 13:14	100-41-4	
Methyl-tert-butyl ether	**0.74J**	ug/L	1.0	0.48	1		03/29/17 13:14	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 13:14	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 13:14	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 13:14	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 13:14	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/29/17 13:14	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		03/29/17 13:14	98-08-8	

Sample: P-11 **Lab ID: 40147349017** Collected: 03/24/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		03/29/17 13:39	71-43-2	
Ethylbenzene	**0.74J**	ug/L	1.0	0.39	1		03/29/17 13:39	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 13:39	1634-04-4	
Naphthalene	**0.95J**	ug/L	1.0	0.42	1		03/29/17 13:39	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 13:39	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 13:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 13:39	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/29/17 13:39	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		03/29/17 13:39	98-08-8	

Sample: P-12 **Lab ID: 40147349018** Collected: 03/24/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		03/29/17 14:05	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 14:05	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 14:05	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 14:05	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 14:05	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 14:05	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 14:05	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/29/17 14:05	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		03/29/17 14:05	98-08-8	

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ANALYTICAL RESULTS

Project: WILD CARD
Pace Project No.: 40147349

Sample: P-13 **Lab ID: 40147349019** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		03/29/17 16:13	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 16:13	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 16:13	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 16:13	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 16:13	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 16:13	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 16:13	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/29/17 16:13	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		03/29/17 16:13	98-08-8	

Sample: P-14 **Lab ID: 40147349020** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**4970**	ug/L	50.0	19.8	50		03/29/17 20:04	71-43-2	
Ethylbenzene	**3370**	ug/L	50.0	19.6	50		03/29/17 20:04	100-41-4	
Methyl-tert-butyl ether	**<24.2**	ug/L	50.0	24.2	50		03/29/17 20:04	1634-04-4	
Naphthalene	**719**	ug/L	50.0	21.2	50		03/29/17 20:04	91-20-3	
Toluene	**6370**	ug/L	50.0	19.4	50		03/29/17 20:04	108-88-3	
1,2,4-Trimethylbenzene	**3020**	ug/L	50.0	20.9	50		03/29/17 20:04	95-63-6	
1,3,5-Trimethylbenzene	**816**	ug/L	50.0	20.8	50		03/29/17 20:04	108-67-8	
Xylene (Total)	**17500**	ug/L	150	62.4	50		03/29/17 20:04	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		50		03/29/17 20:04	98-08-8	

Sample: P-15 **Lab ID: 40147349021** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		03/29/17 16:45	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 16:45	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 16:45	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 16:45	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 16:45	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 16:45	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 16:45	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/29/17 16:45	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		03/29/17 16:45	98-08-8	

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ANALYTICAL RESULTS

Project: WILD CARD
Pace Project No.: 40147349

Sample: T-15 **Lab ID: 40147349022** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<4.0**	ug/L	10.0	4.0	10		03/30/17 21:05	71-43-2	
Ethylbenzene	**<3.9**	ug/L	10.0	3.9	10		03/30/17 21:05	100-41-4	
Methyl-tert-butyl ether	**<4.8**	ug/L	10.0	4.8	10		03/30/17 21:05	1634-04-4	
Naphthalene	**354**	ug/L	10.0	4.2	10		03/30/17 21:05	91-20-3	
Toluene	**<3.9**	ug/L	10.0	3.9	10		03/30/17 21:05	108-88-3	
1,2,4-Trimethylbenzene	**<4.2**	ug/L	10.0	4.2	10		03/30/17 21:05	95-63-6	
1,3,5-Trimethylbenzene	**<4.2**	ug/L	10.0	4.2	10		03/30/17 21:05	108-67-8	
Xylene (Total)	**<12.5**	ug/L	30.0	12.5	10		03/30/17 21:05	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		10		03/30/17 21:05	98-08-8	F1

Sample: TB **Lab ID: 40147349023** Collected: 03/23/17 00:00 Received: 03/28/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		03/29/17 19:44	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 19:44	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		03/29/17 19:44	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 19:44	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		03/29/17 19:44	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 19:44	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/29/17 19:44	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		03/29/17 19:44	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		1		03/29/17 19:44	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

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

QUALITY CONTROL DATA

Project: WILD CARD
Pace Project No.: 40147349

QC Batch: 251283 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40147349001, 40147349002, 40147349003, 40147349004, 40147349005, 40147349006, 40147349007, 40147349008, 40147349009, 40147349010, 40147349011, 40147349012, 40147349013, 40147349014, 40147349015, 40147349016, 40147349017, 40147349018, 40147349019, 40147349020

METHOD BLANK: 1482882 Matrix: Water
Associated Lab Samples: 40147349001, 40147349002, 40147349003, 40147349004, 40147349005, 40147349006, 40147349007, 40147349008, 40147349009, 40147349010, 40147349011, 40147349012, 40147349013, 40147349014, 40147349015, 40147349016, 40147349017, 40147349018, 40147349019, 40147349020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	03/29/17 08:31	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	03/29/17 08:31	
Benzene	ug/L	<0.40	1.0	03/29/17 08:31	
Ethylbenzene	ug/L	<0.39	1.0	03/29/17 08:31	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	03/29/17 08:31	
Naphthalene	ug/L	<0.42	1.0	03/29/17 08:31	
Toluene	ug/L	<0.39	1.0	03/29/17 08:31	
Xylene (Total)	ug/L	<1.2	3.0	03/29/17 08:31	
a,a,a-Trifluorotoluene (S)	%	101	80-120	03/29/17 08:31	

LABORATORY CONTROL SAMPLE & LCSD: 1482883 1482884

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	20.6	20.6	103	103	80-120	0	20	
1,3,5-Trimethylbenzene	ug/L	20	20.0	20.1	100	100	80-120	0	20	
Benzene	ug/L	20	20.8	20.7	104	103	80-120	1	20	
Ethylbenzene	ug/L	20	19.7	19.7	99	98	80-120	0	20	
Methyl-tert-butyl ether	ug/L	20	20.1	20.0	101	100	80-120	0	20	
Naphthalene	ug/L	20	17.8	18.3	89	91	80-120	3	20	
Toluene	ug/L	20	19.9	19.8	100	99	80-120	1	20	
Xylene (Total)	ug/L	60	59.6	59.5	99	99	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				101	102	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1483243 1483244

Parameter	Units	40147349007 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	<0.42	20	20	18.9	18.6	95	93	48-177	1	20	
1,3,5-Trimethylbenzene	ug/L	<0.42	20	20	17.8	17.4	89	87	73-145	2	20	
Benzene	ug/L	<0.40	20	20	20.9	20.7	104	103	74-139	1	20	
Ethylbenzene	ug/L	<0.39	20	20	20.1	19.7	100	99	74-140	2	20	
Methyl-tert-butyl ether	ug/L	<0.48	20	20	19.6	19.6	98	98	80-120	0	20	
Naphthalene	ug/L	<0.42	20	20	18.2	18.6	91	93	73-133	2	20	
Toluene	ug/L	<0.39	20	20	20.1	19.8	101	99	80-128	2	20	
Xylene (Total)	ug/L	<1.2	60	60	58.3	57.4	97	96	69-143	2	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: WILD CARD
Pace Project No.: 40147349

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1483243 1483244

Parameter	Units	40147349007 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	100	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®
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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: WILD CARD
Pace Project No.: 40147349

QC Batch: 251284 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40147349021, 40147349022, 40147349023

METHOD BLANK: 1482885 Matrix: Water
Associated Lab Samples: 40147349021, 40147349022, 40147349023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	03/29/17 08:31	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	03/29/17 08:31	
Benzene	ug/L	<0.40	1.0	03/29/17 08:31	
Ethylbenzene	ug/L	<0.39	1.0	03/29/17 08:31	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	03/29/17 08:31	
Naphthalene	ug/L	<0.42	1.0	03/29/17 08:31	
Toluene	ug/L	<0.39	1.0	03/29/17 08:31	
Xylene (Total)	ug/L	<1.2	3.0	03/29/17 08:31	
a,a,a-Trifluorotoluene (S)	%	100	80-120	03/29/17 08:31	

LABORATORY CONTROL SAMPLE & LCSD: 1482886 1482887

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	18.3	19.5	92	97	80-120	6	20	
1,3,5-Trimethylbenzene	ug/L	20	17.9	19.1	89	95	80-120	7	20	
Benzene	ug/L	20	20.3	21.0	101	105	80-120	4	20	
Ethylbenzene	ug/L	20	19.0	19.9	95	100	80-120	5	20	
Methyl-tert-butyl ether	ug/L	20	19.8	20.0	99	100	80-120	1	20	
Naphthalene	ug/L	20	18.0	18.6	90	93	80-120	3	20	
Toluene	ug/L	20	19.6	20.4	98	102	80-120	4	20	
Xylene (Total)	ug/L	60	56.5	59.5	94	99	80-120	5	20	
a,a,a-Trifluorotoluene (S)	%				101	101	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1483250 1483251

Parameter	Units	40147364011 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	1570	400	400	1960	1930	97	89	48-177	2	20	
1,3,5-Trimethylbenzene	ug/L	508	400	400	887	878	95	92	73-145	1	20	
Benzene	ug/L	163	400	400	581	575	104	103	74-139	1	20	
Ethylbenzene	ug/L	366	400	400	765	758	100	98	74-140	1	20	
Methyl-tert-butyl ether	ug/L	<9.7	400	400	414	415	103	104	80-120	0	20	
Naphthalene	ug/L	288	400	400	651	652	91	91	73-133	0	20	
Toluene	ug/L	18.3J	400	400	433	435	104	104	80-128	0	20	
Xylene (Total)	ug/L	4270	1200	1200	5430	5310	97	87	69-143	2	20	
a,a,a-Trifluorotoluene (S)	%						102	103	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: WILD CARD
Pace Project No.: 40147349

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

F1 The sample was analyzed at a dilution due to foaming of the sample in the purge vessel.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WILD CARD
Pace Project No.: 40147349

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40147349001	MW-1	WI MOD GRO	251283		
40147349002	MW-2	WI MOD GRO	251283		
40147349003	MW-3	WI MOD GRO	251283		
40147349004	MW-5	WI MOD GRO	251283		
40147349005	MW-7	WI MOD GRO	251283		
40147349006	P-1	WI MOD GRO	251283		
40147349007	P-2	WI MOD GRO	251283		
40147349008	P-3	WI MOD GRO	251283		
40147349009	P-4	WI MOD GRO	251283		
40147349010	P-5	WI MOD GRO	251283		
40147349011	P-6	WI MOD GRO	251283		
40147349012	P-7	WI MOD GRO	251283		
40147349013	P-8	WI MOD GRO	251283		
40147349014	P-9A	WI MOD GRO	251283		
40147349015	P-9B	WI MOD GRO	251283		
40147349016	P-10	WI MOD GRO	251283		
40147349017	P-11	WI MOD GRO	251283		
40147349018	P-12	WI MOD GRO	251283		
40147349019	P-13	WI MOD GRO	251283		
40147349020	P-14	WI MOD GRO	251283		
40147349021	P-15	WI MOD GRO	251284		
40147349022	T-15	WI MOD GRO	251284		
40147349023	TB	WI MOD GRO	251284		

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

SKW

40147349

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CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	Meridian Env. Co.
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	715-832-6608
Project Number:	
Project Name:	Wild Card
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
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. Rieland 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: Pvoc+naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-1	3/23		GW			X		3-40ml V	
002	MW-2									
003	MW-3									
004	MW-5									
005	MW-7 ~~6~~									
006	P-1									
007	P-2									
008	P-3									
009	P-4									
010	P-5									
011	P-6									
012	P-7									

PAGE 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:
Relinquished By: FedEx	Date/Time: 3/28/17 0925	Received By:	Date/Time: 3/28/17 0925
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.: 40147349

Receipt Temp = R01 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / ~~Not Present~~ Intact / Not Intact

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 R.C.
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	715-832-6688
Project Number:	
Project Name:	W. Bl Card Barn
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:	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	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC+Naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
013	P-8	3/24		GW			X		3-40ml V B	
014	-9A	"		"			X			
015	-9B	"		"			X			
016	10	"		"			X			
017	11	"		"			X			
018	12	"		"			X			
019	13	3/23		"						
020	14	3/23		"						
021	15	3/24		"			⊗			
022	T-15	3/23		"						
023	(1) TB								1-40ml V B	

Page 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:
	3-27-17	FedEx	3-27-17
FedEx	3/28/17 0925		3/28/17 0925

PACE Project No.: 40147349
Receipt Temp = K01 °C
Sample Receipt pH: OK / Adjusted
Cooler Custody Seal: Present / ~~Not Present~~
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

(1) TB added to COC by lab 3/28/17

Sample Condition Upon Receipt

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

Pace Analytical™

Project # **WO# : 40147349**

40147349

Client Name: meridian env

Courier: [X] Fed Ex [ ] UPS [ ] Client [ ] Pace Other: _____

Tracking #: 7860 3886 4005

Custody Seal on Cooler/Box Present: [ ] yes [X] no Seals intact: [ ] yes [ ] no

Custody Seal on Samples Present: [ ] yes [X] no Seals intact: [ ] yes [ ] no

Packing Material: [ ] Bubble Wrap [X] Bubble Bags [ ] None [ ] Other _____

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

Cooler Temperature Uncorr: 2.01 /Corr: _____ **Biological Tissue is Frozen:** [ ] yes [ ] no

Temp Blank Present: [ ] yes [X] no

Person examining contents:
Date: 3/28/17 TL
Initials: _____

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

				Comments:
Chain of Custody Present:	[X] Yes	[ ] No	[ ] N/A	1. orginal + copy 3/28/17 D
Chain of Custody Filled Out:	[ ] Yes	[X] No	[ ] N/A	2. NO collect times 3/28/17 D
Chain of Custody Relinquished:	[X] Yes	[ ] No	[ ] N/A	3. Only page 2 relinquished 3/28/17 D
Sampler Name & Signature on COC:	[X] Yes	[ ] No	[ ] N/A	4.
Samples Arrived within Hold Time:	[X] Yes	[ ] No	[ ] N/A	5.
- VOA Samples frozen upon receipt	[ ] Yes	[ ] No		Date/Time:
Short Hold Time Analysis (<72hr):	[ ] Yes	[X] No	[ ] N/A	6.
Rush Turn Around Time Requested:	[ ] Yes	[X] No	[ ] N/A	7.
Sufficient Volume:	[X] Yes	[ ] No	[ ] N/A	8.
Correct Containers Used:	[X] Yes	[ ] No	[ ] N/A	9.
-Pace Containers Used:	[X] Yes	[ ] No	[ ] N/A	
-Pace IR Containers Used:	[ ] Yes	[ ] No	[X] N/A	
Containers Intact:	[X] Yes	[ ] No	[ ] N/A	10.
Filtered volume received for Dissolved tests	[ ] Yes	[ ] No	[X] N/A	11.
Sample Labels match COC:	[ ] Yes	[X] No	[ ] N/A	12. 014-021 ID has P- before 3/28/17 D
-Includes date/time/ID/Analysis Matrix: W				
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	[ ] Yes	[ ] No	[X] N/A	13. [ ] HNO3 [ ] H2SO4 [ ] NaOH [ ] NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	[ ] Yes	[ ] No	[X] N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	[X] Yes	[ ] No		Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	[ ] Yes	[X] No	[ ] N/A	14.
Trip Blank Present:	[X] Yes	[ ] No	[ ] N/A	15. (1) lab added to COC
Trip Blank Custody Seals Present	[X] Yes	[ ] No	[ ] N/A	
Pace Trip Blank Lot # (if purchased): 360				3/28/17 D

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 3-28-17

F-GB-C-031-Rev.03 (9April2015) SCUR Form