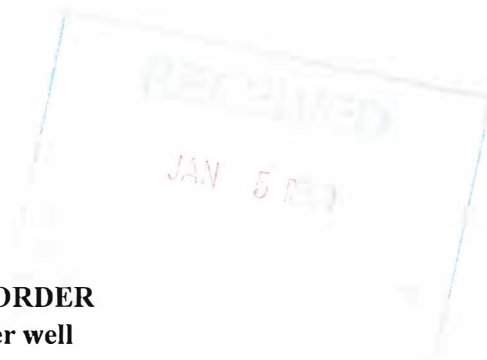




Meridian Environmental Consulting, LLC

January 2, 2017

Carrie Stoltz
Wisconsin Department of Natural Resources
107 Sutcliffe Avenue
Rhinelander, Wisconsin 54501-3349



Subject: **PROGRESS REPORT and CHANGE ORDER**

- **Install replacement water well**
- **Ground Water Sampling**

Webster Pig Farm
Gilman, Wisconsin
PECFA No. 54433-9429-94
DNR BRRTS Nos. 03-61-000650
Meridian No. 05F784

Dear Carrie:

This letter summarizes the work completed at the above referenced site in 2015 and 2016.

- Installed replacement water well
- Ground Water Sampling

Based on the results of this work, we recommend the replacement well water supply at the Krizan property (W16653 CTH M) be sampled quarterly for four quarters. In addition, we recommend the monitoring well network be sampled twice (semi-annually). After the year of monitoring is completed, the site should be submitted for Closure with GIS Registry for Soil and Ground Water.

The remainder of this letter report summarizes the work completed, our recommendations, and a Change Order for the proposed work.

This letter report provides a summary of recent work and references earlier work described in file reports. The reader is referred to file reports for further information regarding the site.

RECENT WORK

Install Replacement Water Well at Krizan property (W16653 CTH M)

Please recall the water supply well at the Krizan property (fka Ruth Diamond property) was impacted with petroleum. Several replacement wells were installed until a permanent water supply well was installed in 1998. This well provided clean water but the production was very low.

Therefore, a replacement well with better production was installed at the northwest corner of the property (Figure 1). The well location and construction design was determined by first pumping existing wells in the vicinity (i.e., Stangret well, Pig Farm well, Town Hall well, and the Krizan well). This determined the most productive well depth was between 40 and 50 ft below grade.

The property boundaries were then marked in the field by a Registered Land Surveyor. The replacement well location was chosen at the farthest point away from the contaminant plume.

The well was installed October 7, 2016 by Kramer Well Drilling; the well log is provided in Appendix A. The new well produces 10 gpm. Two water samples were collected from the well on October 7 and October 8 and analyzed for VOCs. The lab report is provided in Appendix B and summarized in Table 1.

The well was connected to the house November 10, 2016. The well appears to produce adequate water for the house. More sampling is needed to confirm the water quality.

Ground Water Sampling

The monitoring wells were sampled four times (September 9, December 9, 2015; March 31, June 21, 2016). The lab report is provided in Appendix B and summarized in Table 1. Natural attenuation parameters were measured during each sampling event (Table 2). The ground water levels were measured during each sampling event (Table 3).

The ground water sampling data indicates a plume of impacted ground water extends from the property known as W16640 CTH M (aka former "Webster Pig Farm")(Figure 1). The downgradient extent appears to be near MW-400/P-400 nest based on the concentrations in Table 1.

The natural attenuation data (Table 2) supports this interpreted extent. For example, the dissolved oxygen concentrations in MW-400 tend to be lower suggesting biological depletion (of dissolved oxygen). In addition, the conductivity is elevated downgradient in P-300 and P-400 suggesting downgradient impacts.

Further sampling is warranted to monitor the plume as the new well continues to be used (and possibly affect ground water flow and plume geometry).

CONCLUSIONS AND RECOMMENDATIONS

The replacement well is providing adequate water supply. However, due to the nearby ground water contamination, the ground water quality in the new well and monitoring well network should be monitored for at least one year to determine whether use of this well will draw impacted ground water toward the replacement well.

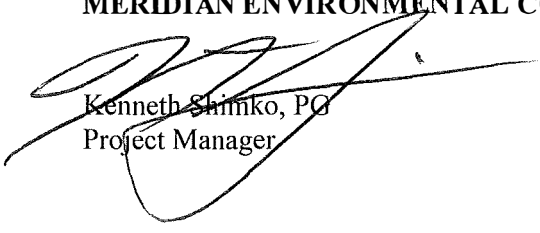
We recommend the replacement well water supply be sampled quarterly for four quarters (PVOC+Naph). The monitoring well network should be sampled twice (semi-annual) (PVOC+Naph) to monitor the plume geometry.

At the end of the year of monitoring, the site should be submitted for Closure with GIS Registry.

A Change Order for this work is included with this letter report.

Please contact me with any comments or questions.

Sincerely,
MERIDIAN ENVIRONMENTAL CONSULTING, LLC



Kenneth Shimko, PG
Project Manager

TABLES

Table 1: Ground Water Analytical
 Webster Pig Farm
 Meridian No. 05F784
 Page 1 of 3

Well	Date	Benzene	Ethyl Benzene	Toluene	Total Xylenes	1,2,4 - TMB	1,3,5 - TMB	Total TMBs	MTBE	Naphthaleno
NR140 Es		5	700	800	2000	-	-	480	60	100
NR140 PAL		0.5	140	160	400	-	-	96	12	10
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	UG/L	ug/l
MW-100	Installed December 5, 1996									
	1/9/1997	<.2	<.3	<.2	<.1	<.4	<.3	<.4	<.1	<.4
	4/18/1997	<.4	<.5	<.4	<.2	<.5	<.5	<.5	<.1	-
	6/20/1997	<.1	<.1	<.1	<.2	-	-	-	-	-
	12/20/2006	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	4/11/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/25/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	10/23/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	1/9/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	5/6/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/29/2008	<.25	<.22	<.25	<.39	<.25	<.19	<.25	<.23	<.25
	8/29/2012	<.39	<.41	<.42	<.13	<.43	<.4	<.43	<.38	<.4
	9/9/2015	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
	12/9/2015	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
	3/31/2016	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
	6/21/2016	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
MW-200	Installed December 5, 1996									
	1/9/1997	<.2	<.3	<.2	<.1	<.4	<.3	<.4	<.1	<.4
	4/18/1997	13	1.1	11	3.4	<.5	<.5	<.5	<.1	-
	6/20/1997	<.1	<.1	<.1	<.2	-	-	-	-	-
	12/20/2006	<.2	<.5	<.2	<.5	<.2	<.2	<.2	33	<.25
	4/11/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/25/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	10/23/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	1/9/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	5/6/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/29/2008	<.25	<.22	<.25	<.39	<.25	<.19	<.25	<.23	<.25
	8/29/2012	<.39	<.41	<.42	<.13	<.43	<.4	<.43	<.38	<.4
	9/9/2015	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
	12/9/2015	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
	3/31/2016	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
	6/21/2016	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
MW-300	Installed December 5, 1996									
	1/9/1997	<.2	<.3	<.2	<.1	<.4	<.3	<.4	<.1	<.4
	4/18/1997	<.4	<.5	<.4	<.2	<.5	<.5	<.5	<.1	-
	6/20/1997	<.1	<.1	<.1	0.2	-	-	-	-	-
	12/20/2006	<.2	<.5	<.2	<.5	<.2	<.2	<.2	33	<.25
	4/11/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/25/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	10/23/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	1/9/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	5/6/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/29/2008	<.25	<.22	<.25	<.39	<.25	<.19	<.25	<.23	<.25
	8/29/2012	<.39	<.41	<.42	<.13	<.43	<.4	<.43	<.38	<.4
	9/9/2015	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
	12/9/2015	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
	3/31/2016	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
	6/21/2016	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
MW-400	Installed December 4, 1996									
	1/9/1997	<.2	<.3	<.2	<.1	<.4	<.3	<.4	<.1	<.4
	4/18/1997	0.8	<.5	<.4	1.2	<.5	0.7	0.7	0.9	-
	6/20/1997	<.1	<.1	<.1	<.2	-	-	-	-	-
	12/20/2006	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	0.67
	4/11/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/25/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	10/23/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	1/9/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	5/6/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/29/2008	<.25	<.22	<.25	<.39	<.25	<.19	<.25	<.23	<.25
	8/29/2012	<.39	<.41	<.42	<.13	<.43	<.4	<.43	<.38	<.4
	9/9/2015	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
	12/9/2015	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
	3/31/2016	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
	6/21/2016	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
MW-500	Installed December 6, 1996									
	1/9/1997	<.2	<.3	0.3	<.1	<.4	<.3	<.4	<.1	<.4
	4/18/1997	<.4	<.5	<.4	<.2	<.5	<.5	<.5	<.1	-
	6/20/1997	<.1	<.1	<.1	<.2	-	-	-	-	-
	12/20/2006	4	<.5	<.2	<.5	<.2	<.2	<.2	<.5	0.31
	4/11/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/25/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	5/6/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/29/2008	<.25	<.22	<.25	<.39	<.25	<.19	<.25	<.23	<.25
	8/29/2012	<.39	<.41	<.42	<.13	<.43	<.4	<.43	<.38	<.4
	9/9/2015	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
	12/9/2015	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
	3/31/2016	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
	6/21/2016	<.4	<.39	<.39	<.2	<.42	<.42	<.42	<.48	<.42
MW-600	Installed April 14, 1997									
	4/18/1997	3090	554	2900	2066	293	82	375	<.36	130
	6/20/1997	1200	1330	8290	6730	-	-	-	-	-
	5/6/2008	2100	1100	1500	3400	950	270	1220	<.20	360
	7/29/2008	790	670	1000	2600	930	330	1260	<.23	390
	8/29/2012	111	118	117	354	196	170	366	6.2	130
	8/8/2014	181	237	179	446	180	91.7	271.7	7.8	154
	11/18/2014	107	135	67.3	306	127	83.5	210.5	12.4	102
	9/9/2015	71	100	46.5	292	116	120	236	8.4	107
	12/9/2015	75.7	93.5	39.3	259	74.2	65.2	139.4	3	121
	3/31/2016	85.6	144	87.5	482	122	181	303	5.2	195
	6/21/2016	55.7	85.5	61.8	372	81	137	218	6.1	162

Table 1: Ground Water Analytical
 Webster Pig Farm
 Meridian No. 05F784
 Page 2 of 3

Well	Date	Benzene	Ethyl Benzene	Toluene	Total Xylenes	1,2,4 - TMB	1,3,5 - TMB	Total TMBs	MTBE	Naphthalene
NR140 ES		5	700	800	2000	-	-	480	60	100
NR140 PAL		0.5	140	160	400	-	-	96	12	10
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	UG/L	ug/l
MW-700	Installed April 15, 1997									
	4/18/1997	<.3	<.4	1.2	<1.4	<.5	<.4	<.5	<.2	<.4
	6/20/1997	<.1	<.1	<.1	<.2	-	-	-	-	-
	12/20/2006	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	4/11/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/25/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	10/23/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	5/6/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/29/2008	<.25	<.22	<.25	<.39	<.25	<.19	<.25	<.23	<.25
	8/29/2012	<.39	<.41	<.42	<1.3	<.43	<.4	<.43	<.38	<.4
	9/9/2015	Not Sampled								
	12/9/2015	Not Sampled								
MW-800	Installed June 10, 1997 (this well is now sampled as part of Donald Store work)									
	6/20/1997	<.2	<.4	<.5	<1.4	<.5	<.4	<.5	<.2	<.4
	4/11/2007	<.2	<.5	<.2	<.5	<.5	<.4	<.5	<.5	<.25
	7/25/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	10/23/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	5/6/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/29/2008	<.25	<.22	<.25	<.39	<.25	<.19	<.25	<.23	<.25
	8/29/2012	<.39	<.41	<.42	<1.3	<.43	<.4	<.43	<.38	<.4
	9/9/2015	Not Sampled								
	12/9/2015	Not Sampled								
MW-900	Installed June 0, 1997									
	6/20/1997	<.2	<.4	<.5	<1.4	<.5	<.4	<.5	<.2	<.4
	12/20/2006	<.8	<.2	<.8	<.2	<.8	<.8	<.8	<.2	<.1
	4/11/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/25/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	5/6/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/29/2008	<.25	<.22	<.25	<.39	<.25	<.19	<.25	<.23	<.25
	8/29/2012	<.39	<.41	<.42	<1.3	<.43	<.4	<.43	<.38	<.4
	9/9/2015	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	12/9/2015	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	3/31/2016	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	6/21/2016	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
PZ-100	Installed December 18, 1996									
	1/9/1997	3840	<7.4	169	809	95	34	129	<3.1	38
	4/18/1997	3500	<9.8	118	430	43	12	55	<4.5	25
	6/20/1997	3660	<.1	97	410	-	-	-	-	-
	12/20/2006	3300	<.2	17	50	22	3.8	25.8	<.2	28
	4/11/2007	0.64	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/25/2007	1000	21	9	16	9.8	12	21.8	<10	27
	10/23/2007	7.8	<.2	<.8	<.2	<.8	<.8	<.8	<.2	<.1
	1/9/2008	330	<.5	5.7	10	2.6	<.2	2.6	<.5	5.6
	5/6/2008	280	<.5	6.2	5.9	2.2	0.5	2.7	<.5	6.1
	7/29/2008	1100	0	14	12	1.5	0.4	1.9	<4.6	<.5
	8/29/2012	849	<2.1	4.7	<6.3	<2.2	<.2	<2.2	<1.9	2.3
	8/8/2014	1.3	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	11/18/2014	6.5	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	9/9/2015	6380	<19.8	52.7	<62.4	<20.9	<20.8	<20.9	<24.2	123
	12/9/2015	7810	<19.6	56.4	<62.4	<20.9	<20.8	<20.9	<24.2	71.2
	3/31/2016	5470	<19.6	30.7	<62.4	<20.9	<20.8	<20.9	<24.2	<21.2
	6/21/2016	4100	<15.7	29.7	<49.9	<16.7	<16.6	<16.7	<19.4	<17
PZ-200	Installed December 17, 1996									
	1/9/1997	0.5	<.3	0.5	<.1	<.4	<.3	<.4	<.1	<.4
	4/18/1997	.3	<.4	<.5	<1.4	<.5	<.4	<.5	<.2	0.7
	6/20/1997	<.1	<.1	<.1	<.2	-	-	-	-	-
	5/6/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	0.5	<.25
	7/29/2008	<.25	<.22	<.25	<.39	<.25	<.19	<.25	<.23	<.25
	8/29/2012	<.39	<.41	<.42	<1.3	<.43	<.4	<.43	<.38	<.4
	9/9/2015	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	12/9/2015	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	3/31/2016	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	6/21/2016	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
PZ-300	Installed December 17, 1996									
	1/9/1997	12	<.3	1.9	<.1	<.4	<.3	<.4	<.1	<.4
	4/18/1997	.3	<.4	<.5	<1.4	<.5	<.4	<.5	<.2	<.4
	6/20/1997	5.3	<.1	<.1	<.2	-	-	-	-	-
	5/6/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	24	<.25
	7/29/2008	<.25	<.22	<.25	<.39	<.25	<.19	<.25	21	<.25
	8/29/2012	<.39	<.41	<.42	<1.3	<.43	<.4	<.43	1.6	<.4
	9/9/2015	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	0.57	<.42
	12/9/2015	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	3/31/2016	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	6/21/2016	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	0.67	<.42
PZ-400	Installed December 3, 1996									
	1/9/1997	<.2	<.3	1.1	<.1	<.4	<.3	<.4	<.1	<.4
	4/18/1997	<.3	<.4	<.5	<1.4	<.5	<.4	<.5	<.2	<.4
	6/20/1997	<.1	<.1	<.1	<.2	-	-	-	-	-
	5/6/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/29/2008	<.25	<.22	<.25	<.39	<.25	<.19	<.25	<.23	<.25
	8/29/2012	7.6	<.41	0.93	<1.3	<.43	<.4	<.43	<.38	<.4
	8/8/2014	0.5	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	11/18/2014	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	9/9/2015	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	12/9/2015	0.92	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	3/31/2016	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	6/21/2016	3.3	0.5	<.39	<1.2	<.42	<.42	<.42	<.48	<.42

Table 1: Ground Water Analytical
 Webster Pig Farm
 Meridian No. 05F784
 Page 3 of 3

Well	Date	Benzene	Ethyl Benzene	Toluene	Total Xylenes	1,2,4 - TMB	1,3,5 - TMB	Total TMBs	MTBE	Naphthalene
NR140 ES		5	700	800	2000	-	-	480	60	100
NR140 PAL Units		0.5 ug/l	140 ug/l	160 ug/l	400 ug/l	ug/l	ug/l	96 ug/l	12 UG/L	10 ug/l
PZ-600	Installed April 14, 1997									
	4/18/1997	<.3	<.4	<.5	<1.4	<.5	<.4	<.4	<.2	<.4
	6/20/1997	114	<.1	2.1	12.4	-	-	-	-	-
	5/6/2008	6300	37	200	920	160	46	206	<10	40
	7/29/2008	520	17	60	220	60	18	78	<2.3	17
	8/29/2012	175	126	223	489	177	87.1	264.1	18	156
	8/8/2014	190	156	323	583	217	137	354	<2.4	198
	11/18/2014	6.1	<.39	3.8	7.5	1.8	0.87	2.67	<.48	2.7
	9/9/2015	98.2	131	230	346	129	120	249	16.6	200
	12/9/2015	110	133	269	417	126	131	257	<1.9	203
	3/31/2016	240	32.7	290	395	93.6	124	217.6	<2.4	104
	6/21/2016	434	104	384	534	172	158	330	<.8	232
PZ-700	Installed April 15, 1997									
	4/18/1997	<.3	<.4	<.5	<1.4	<.5	<.4	<.5	<.2	<.4
	6/20/1997	<.1	<.1	<.1	<.2	-	-	-	-	-
	5/6/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/29/2008	<.25	<.22	<.25	<.39	<.25	<.19	<.25	<.23	<.25
	8/29/2012	<.39	<.41	<.42	<1.3	<.43	<.4	<.43	<.38	<.4
	9/9/2015	Not Sampled								
	12/9/2015	Not Sampled								
PZ-800	Installed June 10, 1997 (this well is now sampled as part of Donald Store work)									
	6/20/1997	0.3	<.4	<.5	<1.4	<.5	<.4	<.5	<.2	<.4
	8/29/2012	<.39	<.41	<.42	<1.3	<.43	<.4	<.43	<.38	<.4
	9/9/2015	Not Sampled								
	12/9/2015	Not Sampled								
PZ-900	Installed June 11, 1997									
	6/20/1997	1.3	<.4	<.5	<1.4	<.5	<.4	<.5	<.2	<.4
	5/6/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/29/2008	<.25	<.22	<.25	<.39	<.25	<.19	<.25	<.23	<.25
	8/29/2012	<.39	<.41	<.42	<1.3	<.43	<.4	<.43	<.38	<.4
	9/9/2015	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	12/9/2015	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	3/31/2016	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	6/21/2016	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
Krizan (fka Ruth Diamond property) (W16653 CTH M) (nstaled 1998)										
	7/25/2007	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	1/9/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	7/29/2008	<.2	<.5	<.2	<.5	<.2	<.2	<.2	<.5	<.25
	8/29/2012	<.39	<.41	<.42	<1.3	<.43	<.4	<.43	<.38	<.4
	8/8/2014	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	11/18/2014	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	9/9/2015	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	12/9/2015	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	3/31/2016	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	6/21/2016	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
Replacement Well Installed October 2016										
	10/7/2016	<.5	<.5	<.5	<1	<.5	<.5	<1	<.17	<2.5
	10/8/2016	<.5	<.5	<.5	<1	<.5	<.5	<1	<.17	<2.5
Pig Farm well (grab sample from top of water column due to pipe in well)										
	8/8/2014	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
	11/18/2014	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
(yield test)	2/16/2016	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
Old Church Well										
	8/29/2012	<.39	<.41	<.42	<1.3	<.43	<.4	<.43	<.38	<.4
(yield test)	2/16/2016	<.4	<.39	.98J	<1.2	<.42	<.42	<.42	<.48	<.42
Town Hall well (outside faucet)										
	10/26/2012	<.39	<.41	<.42	<1.3	<.43	<.4	<.43	<.38	<.4
(yield test)	2/16/2016	<.4	<.39	<.39	<1.2	<.42	<.42	<.42	<.48	<.42
T-1	Installed 10/18/12									
	10/26/2012	6.1	322	<2.1	1130	654	205	859	18.4	168
	Abandoned 8/4/14 due to excavation									
T-2	Installed 10/18/12									
	10/26/2012	2990	1740	5820	6950	875	257	1132	38	349
	Abandoned 8/4/14 due to excavation									
T-3	Installed 10/18/12									
	10/26/2012	10.2	<.41	1.6	<1.3	<.43	0.85	0.85	<.38	4

12 Concentration exceeds NR140 Enforcement Standard
 12 Concentration exceeds PAL

Table 2: Natural Attenuation Data

Webster Pig Farm
 Meridian No. 05F784

Well	DO	pH	Temp	Conductivity	ORP
Units	mg/l		C	uS	
MW-200					
9/9/2015	2	7.3	16.9	661	204
12/9/2015	2	7.37	9.3	461	55
3/31/2016	4	7.4	7.1	445	9
6/21/2016	3	8.31	13.5	467	43
MW-300					
9/9/2015	1	7.4	13.6	1054	181
12/9/2015	4	7.7	8.7	710	57
3/31/2016	2	7.72	5.7	788	41
6/21/2016	4	7.71	13.6	892	47
MW-400					
9/9/2015	<1	7.27	14.1	694	16
12/9/2015	1	7.74	8.9	834	17
3/31/2016	2	7.56	5.9	761	40
6/21/2016	<1	8.24	14.9	604	-26
MW-500					
9/9/2015	2	7.89	15.5	505	160
12/9/2015	3	8.03	8.9	549	13
3/31/2016	3	7.92	6.8	538	2
6/21/2016	3	8.65	12.6	511	18
MW-600					
11/18/2014	1	6.75	11	118.3	NM
9/9/2015	<1	7.1	17.5	636	-42
12/9/2015	0	7.21	10.1	881	-48
3/31/2016	0	7.64	6.1	793	-3
6/21/2016	<1	8.07	14.4	692	44
MW-900					
9/9/2015	1	7.22	14.3	707	49
12/9/2015	2	7.8	8.7	554	11
3/31/2016	4	8.37	5.5	381	15
6/21/2016	1	8.86	16.3	494	6
IPZ-100					
11/18/2014	3	6.85	9.7	201.4	NM
9/9/2015	2	7.44	11	809	57
12/9/2015	0	7.76	8.7	847	-40
3/31/2016	1	7.55	7.6	848	30
6/21/2016	1	7.93	12.9	867	44
IP-200					
9/9/2015	3	7.94	16.2	738	147
12/9/2015	3	7.44	8.9	989	32
3/31/2016	2	7.41	7.2	718	24
6/21/2016	2	8.15	12.4	702	37
IP-300					
9/9/2015	3	7.56	12.5	1350	176
12/9/2015	2	7.66	7.9	1575	50
3/31/2016	3	7.63	6.9	1622	37
6/21/2016	2	7.96	12.7	1680	37
IPZ-400					
11/18/2014	1	7.79	9.3	1276	NM
9/9/2015	3	7.9	12.4	1230	163
12/9/2015	1	7.81	8	1235	1
3/31/2016	2	7.83	7.7	1165	NM
6/21/2016	4	8.28	14.6	1189	-27
IPZ-600					
11/18/2014	1	7.12	11.8	115.4	NM
9/9/2015	1	8.2	15.1	650	73
12/9/2015	<<1	7.45	9.4	625	-54
3/31/2016	<1	7.3	7.8	665	60
6/21/2016	1	8.12	13.2	681	-31
IP-900					
9/9/2015	4	7.83	12.7	1316	122
12/9/2015	2	7.27	8.5	1691	-32
3/31/2016	3	8.12	8	1423	31
6/21/2016	4	8.47	14.4	1438	5
Pig Farm Well					
11/18/2014	2	8.85	9.4	184.3	NM

DO measured using ampules
 pH, conductivity, temperature, ORP measured in field with Oakton Multiparameter Testr 35 and YSI Ecosense ORP 15A
 NM - not measured

Table 3: Ground Water Elevations
 Webster Pig Farm
 Page 1 of 2

(MW-100 abandoned)

PZ-100			MW-200			PZ-200		
Surface Elevation (ft)		1201.5	Surface Elevation (ft)		1200.5	Surface Elevation (ft)		1200.5
Top of Casing elevation (ft)		1201.33	Top of Casing elevation (ft)		1200.3	Top of Casing elevation (ft)		1200.34
Top of Screen Elevation (ft)*		1171.5	Top of Screen Elevation (ft)*		1193.5	Top of Screen Elevation (ft)*		1171.5
Bottom of Screen Elevation (ft)		1166.5	Bottom of Screen Elevation (ft)		1183.5	Bottom of Screen Elevation (ft)		1166.5
Well Diameter		2-inch	Well Diameter		2-inch	Well Diameter		2-inch
Installed		12/18/1996	Installed		12/5/1996	Installed		12/17/1996
Meas. Date	Depth to Water (ft)	Elevation (ft)	Meas. Date	Depth to Water (ft)	Elevation (ft)	Meas. Date	Depth to Water (ft)	Elevation (ft)
8/29/2012	12.31	1189.02	8/29/2012	11.38	1188.92	8/29/2012	11.44	1188.90
8/8/2014	9.55	1191.78	8/8/2014	NM	NM	8/8/2014	NM	NM
11/18/2014	8.73	1192.60	11/18/2014	NM	NM	11/18/2014	NM	NM
9/9/2015	9.96	1191.37	9/9/2015	9.97	1190.33	9/9/2015	9.03	1191.31
12/9/2015	9.52	1191.81	12/9/2015	6.93	1193.37	12/9/2015	6.98	1193.36
3/31/2016	8.83	1192.50	3/31/2016	5.9	1194.40	3/31/2016	5.97	1194.37
6/21/2016	7.95	1193.38	6/21/2016	6.89	1193.41	6/21/2016	7.01	1193.33

MW-300			PZ-300			MW-400			PZ-400		
Surface Elevation (ft)		1200.75	Surface Elevation (ft)		1200.5	Surface Elevation (ft)		1200	Surface Elevation (ft)		1200
Top of Casing elevation (ft)		1200.59	Top of Casing elevation (ft)		1200.45	Top of Casing elevation (ft)		1199.78	Top of Casing elevation (ft)		1199.89
Top of Screen Elevation (ft)*		1194.75	Top of Screen Elevation (ft)*		1170.1	Top of Screen Elevation (ft)*		1195	Top of Screen Elevation (ft)*		1172.5
Bottom of Screen Elevation (ft)		1184.75	Bottom of Screen Elevation (ft)		1165.1	Bottom of Screen Elevation (ft)		1185	Bottom of Screen Elevation (ft)		1167.5
Well Diameter		2-inch	Well Diameter		2-inch	Well Diameter		2-inch	Well Diameter		2-inch
Installed		12/5/1996	Installed		12/17/1996	Installed		12/4/1996	Installed		12/3/1996
Meas. Date	Depth to Water (ft)	Elevation (ft)	Meas. Date	Depth to Water (ft)	Elevation (ft)	Meas. Date	Depth to Water (ft)	Elevation (ft)	Meas. Date	Depth to Water (ft)	Elevation (ft)
8/29/2012	11.93	1188.66	8/29/2012	11.83	1188.62	8/29/2012	11.23	1188.55	8/29/2012	11.28	1188.61
8/8/2014	NM	NM	8/8/2014	NM	NM	8/8/2014	NM	NM	8/8/2014	8.61	1191.28
11/18/2014	NM	NM	11/18/2014	NM	NM	11/18/2014	NM	NM	11/18/2014	7.88	1192.01
9/9/2015	9.6	1190.99	9/9/2015	9.47	1190.98	9/9/2015	9.11	1190.67	9/9/2015	9.18	1190.71
12/9/2015	7.38	1193.21	12/9/2015	7.23	1193.22	12/9/2015	7.23	1192.55	12/9/2015	7.3	1192.59
3/31/2016	6.43	1194.16	3/31/2016	6.03	1194.42	3/31/2016	5.74	1194.04	3/31/2016	5.75	1194.14
6/21/2016	7.57	1193.02	6/21/2016	7.41	1193.04	6/21/2016	7.11	1192.67	6/21/2016	7.22	1192.67

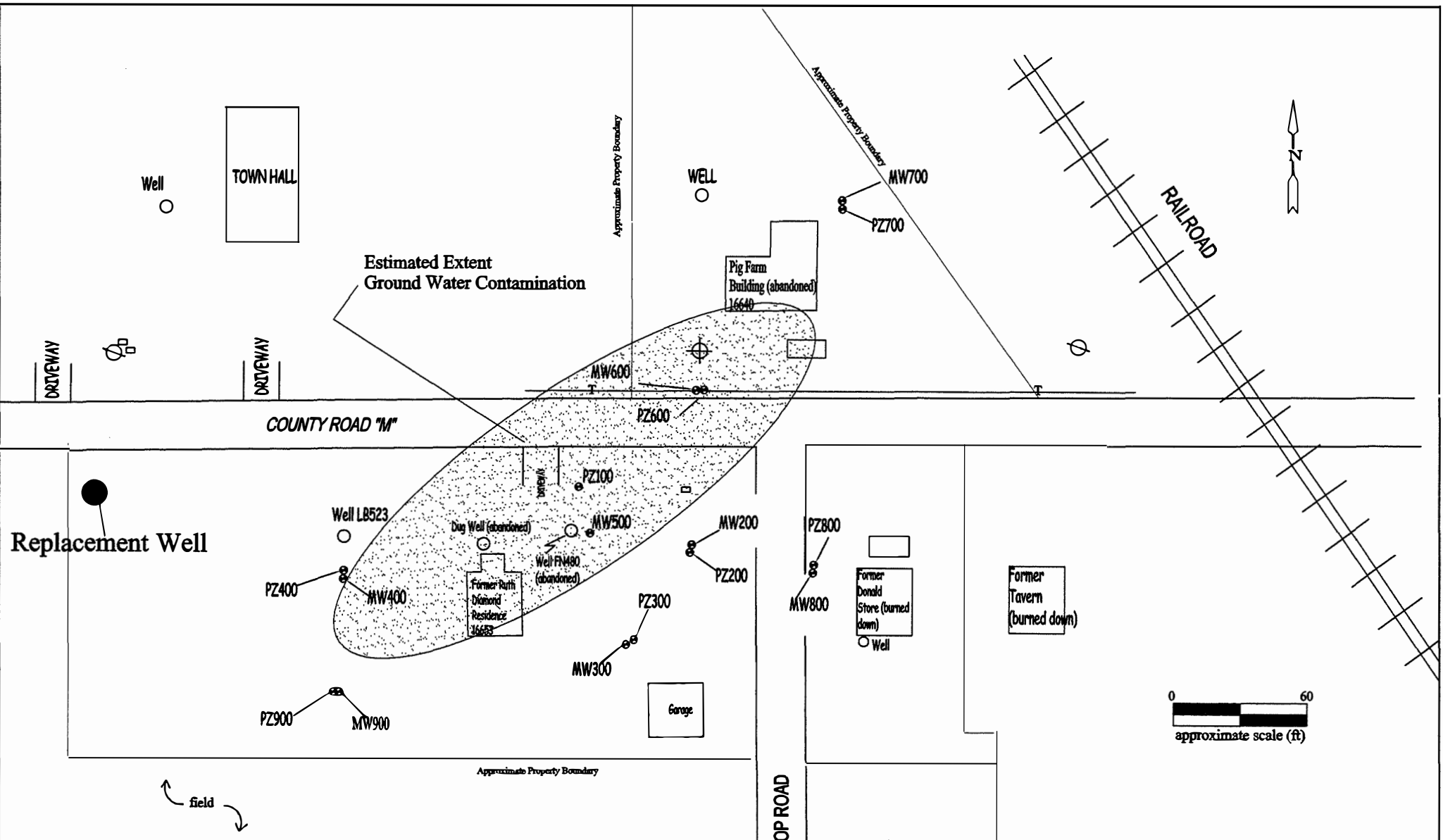
MW-500			MW-600			PZ-600		
Surface Elevation (ft)		1201	Surface Elevation (ft)		1202	Surface Elevation (ft)		1201.75
Top of Casing elevation (ft)		1200.96	Top of Casing elevation (ft)		1201.96	Top of Casing elevation (ft)		1201.69
Top of Screen Elevation (ft)*		1196	Top of Screen Elevation (ft)*		1195.5	Top of Screen Elevation (ft)*		1198.75
Bottom of Screen Elevation (ft)		1186	Bottom of Screen Elevation (ft)		1185.5	Bottom of Screen Elevation (ft)		1193.75
Well Diameter		2-inch	Well Diameter		2-inch	Well Diameter		2-inch
Installed		12/6/1996	Installed		4/14/1997	Installed		4/14/1997
Meas. Date	Depth to Water (ft)	Elevation (ft)	Meas. Date	Depth to Water (ft)	Elevation (ft)	Meas. Date	Depth to Water (ft)	Elevation (ft)
8/29/2012	12	1188.96	8/29/2012	12.57	1189.39	8/29/2012	12.34	1189.35
8/8/2014	NM	NM	8/8/2014	10.29	1191.67	8/8/2014	9.85	1191.84
11/18/2014	NM	NM	11/18/2014	9.17	1192.79	11/18/2014	8.85	1192.84
9/9/2015	9.7	1191.26	9/9/2015	10.42	1191.54	9/9/2015	10.08	1191.61
12/9/2015	7.78	1193.18	12/9/2015	8.65	1193.31	12/9/2015	8.28	1193.41
3/31/2016	6.68	1194.28	3/31/2016	7.3	1194.66	3/31/2016	6.98	1194.71
6/21/2016	7.63	1193.33	6/21/2016	8.35	1193.61	6/21/2016	8	1193.69

Table 3: Ground Water Elevations
 Webster Pig Farm
 Page 2 of 2

MW-700			PZ-700			MW-800			PZ-800		
Surface Elevation (ft)		1202	Surface Elevation (ft)		1202	Surface Elevation (ft)		1200.25	Surface Elevation (ft)		1199
Top of Casing elevation (ft)		1204.72	Top of Casing elevation (ft)		1203.36	Top of Casing elevation (ft)		1200.03	Top of Casing elevation (ft)		1198.99
Top of Screen Elevation (ft)*		1200	Top of Screen Elevation (ft)*		1170.5	Top of Screen Elevation (ft)*		1196.25	Top of Screen Elevation (ft)*		1168
Bottom of Screen Elevation (ft)		1190	Bottom of Screen Elevation (ft)		1165.5	Bottom of Screen Elevation (ft)		1186.25	Bottom of Screen Elevation (ft)		1163
Well Diameter		2-inch	Well Diameter		2-inch	Well Diameter		2-inch	Well Diameter		2-inch
Installed		4/15/1997	Installed		4/15/1997	Installed		6/10/1997	Installed		6/10/1997
Meas. Date	Depth to Water (ft)	Elevation (ft)	Meas. Date	Depth to Water (ft)	Elevation (ft)	Meas. Date	Depth to Water (ft)	Elevation (ft)	Meas. Date	Depth to Water (ft)	Elevation (ft)
8/29/2012	15.26	1189.46	8/29/2012	14.02	1189.34	8/29/2012	11.18	1188.85	8/29/2012	10.14	1188.85
8/8/2014	NM	NM	8/8/2014	NM	NM	8/8/2014	NM	NM	8/8/2014	NM	NM
11/18/2014	NM	NM	11/18/2014	NM	NM	11/18/2014	NM	NM	11/18/2014	NM	NM
9/9/2015	NM	NM	9/9/2015	NM	NM	9/9/2015	8.86	1191.17	9/9/2015	7.51	1191.48
12/9/2015	NM	NM	12/9/2015	NM	NM	12/9/2015	NM	NM	12/9/2015	NM	NM
3/31/2016	NM	NM	3/31/2016	NM	NM	3/31/2016	NM	NM	3/31/2016	NM	NM
6/21/2016	10.9	1193.82	6/21/2016	9.5	1193.86	6/21/2016	6.06	1193.97	6/21/2016	6.53	1192.46

MW-900			PZ-900		
Surface Elevation (ft)		1199	Surface Elevation (ft)		1199
Top of Casing elevation (ft)		1198.9	Top of Casing elevation (ft)		1198.82
Top of Screen Elevation (ft)*		1195.5	Top of Screen Elevation (ft)*		1170
Bottom of Screen Elevation (ft)		1185.5	Bottom of Screen Elevation (ft)		1165
Well Diameter		2-inch	Well Diameter		2-inch
Installed		6/10/1997	Installed		6/11/1997
Meas. Date	Depth to Water (ft)	Elevation (ft)	Meas. Date	Depth to Water (ft)	Elevation (ft)
8/29/2012	10.59	1188.31	8/29/2012	10.48	1188.34
8/8/2014	NM	NM	8/8/2014	NM	NM
11/18/2014	NM	NM	11/18/2014	NM	NM
9/9/2015	8.4	1190.50	9/9/2015	8.31	1190.51
12/9/2015	6.17	1192.73	12/9/2015	6.17	1192.65
3/31/2016	3.51	1195.39	3/31/2016	4.85	1193.97
6/21/2016	6.34	1192.56	6/21/2016	6.26	1192.56

FIGURES



Replacement Well

Estimated Extent Ground Water Contamination

- Soil Boring
- Private Well
- ⊗ Monitoring Well
- ⊞ Power Pole/Utility Box

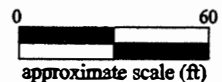



Figure 1
Site Map
Webster Pig Farm/Donald Store
Gilman, Wisconsin

PROJECT NO. 05F784	PREPARED BY KAS	 Meridian Environmental Consulting, LLC
DATE 1/3/17	REVIEWED BY KAS	

APPENDIX A

Well Log for Replacement Well

Well Construction Report
WISCONSIN UNIQUE WELL NUMBER **XY 380**

State of WI - Private Water Systems-DG/5 Form 3300-077A
Department of Natural Resources, Box 7921 (R 7/10)
Madison, WI 53707

Property Owner **Koivum, Mary** Telephone Number ()

Mailing Address **W16653 Com**

City **Greenwood** State **WI** Zip Code **54433**

County of Well Location **Taylor** Co. Well Permit No. **W** Well Completion Date (mm-dd-yyyy) **10-02-2010**

Well Constructor (Business Name) **Kumar Well Drilling, LLC 8110** License # **8110** Facility ID Number (Public Wells)

Address **P.O. Box 71** Well Plan Approval #

City **Waynesburg WI** State **WI** Zip Code **54896** Date of Approval (mm/dd/yyyy)

Hicap Permanent Well # Common Well # Specific Capacity **gpm/ft**

3. Well serves **1** # of **Home** High Capacity: Well? Yes No Property? Yes No

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? Yes No If no, distance in feet from quarry: _____ Well located within 1,200 feet of a quarry? Yes No Well located in floodplain? Yes No

- Distance in feet from well to nearest: (include proposed)
- 1. Landfill
 - 161** 2. Building Overhang
 - 162** 3. Septic Holding Tank
 - 166** 4. Sewage Absorption Unit
 - 5. Nonconforming Pit
 - 6. Buried Home Heating Oil Tank
 - 7. Buried Petroleum Tank
 - 8. Shoreline Swimming Pool
 - 9. Downspout/Yard Hydrant

1. Well Location Town City Village Fire # (If avail.)

of **Pershing** **W16653**

Street Address or Road Name and Number **W16653 Com**

Subdivision Name Lot # Block #

Gov't Lot # _____ or **SE** 1/4 of **36** 1/4 of Section **17** T **32** N: R **4** E W

Latitude Deg. **45** Min. **15.147**

Longitude Deg. **90** Min. **53.893**

2. Well Type New Replacement Reconstruction **GP5008** Lat/Long Method

(see item 12 below) of previous unique well # _____ constructed in Reason for replaced or reconstructed well? Drilled Driven Point Jetted Other

- 10. Privy
- 11. Foundation Drain to Clearwater
- 12. Foundation Drain to Sewer
- 13. Building Drain Cast Iron or Plastic Other
- 14. Building Sewer Gravity Pressure Cast Iron or Plastic Other
- 15. Collector Sewer: sanitary _____ units _____ in. diam. storm ≤ 6" > 6"
- 16. Clearwater Sump
- 17. Wastewater Sump
- 18. Paved Animal Barn Pen
- 19. Animal Yard or Shelter
- 20. Silo
- 21. Barn Gutter
- 22. Manure Pipe Gravity Pressure Cast Iron or Plastic Other
- 23. Other Manure Storage _____
- 24** 24. Ditch
- 25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

From Dia. (in.)	To Dia. (in.)	Upper Enlarged Drillhole (ft.)	Lower <input type="checkbox"/> open <input checked="" type="checkbox"/> bedrock
6	surface	49	

---1. Rotary - Mud Circulation
 ---2. Rotary - Air
 ---3. Rotary - Air and Foam
 ---4. Drill-Through Casing Hammer
 ---5. Reverse Rotary
 ---6. Cable-tool Bit _____ in. dia.
 ---7. Temp. Outer Casing _____ in. dia. Removed? Yes No - If no, explain on back side.
 ---8. Dual Rotary

8. Geology Type, Caving/Noncaving, Color, Hardness, etc.

Geology Codes	From (ft.)	To (ft.)
	surface	1
	1	30
	30	36
	36	47
	47	49

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
6	P.R. EX1 Tube Steel 19# FT Astm A-53	surface	47
6	5.5 Wire Wound # 12	47	49

9. Static Water Level _____ ft. above ground surface **13** ft. below ground surface

7. Grout or Other Sealing Material

Method	Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
mounted	Coarse granular Bentonite	surface		

10. Pump Test
Pumping level **43** ft. below surface
Pumping at **10 GPM**/GPH for **1** Hrs.

11. Well Is: Above Grade Below **30** in.

12. Did you permanently abandon and fill all unused, noncomplying or unsafe wells on this property? Yes No If no, explain on reverse.

13. Signature of Well Constructor or Supervisory Driller **Cherelle** Date Signed **10/12/10**
Print Name of Drill Rig Operator (Mandatory unless same as above) **Cherelle** Date **10/12/10**

Make additional comments on reverse side about geology, additional screens, water quality, etc. Comments on reverse side _____ (CHECK , IF YES) Variance Issued Yes No Notification # **6593028002**

APPENDIX B

Analytical Reports

April 08, 2016

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

RE: Project: WEBSTER PIG FARM
Pace Project No.: 40130211

Dear Kenneth Shimko:

Enclosed are the analytical results for sample(s) received by the laboratory on April 05, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: WEBSTER PIG FARM
Pace Project No.: 40130211

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150

South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: WEBSTER PIG FARM
Pace Project No.: 40130211

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40130211001	P100	Water	03/31/16 00:00	04/05/16 08:00
40130211002	M500	Water	03/31/16 00:00	04/05/16 08:00
40130211003	M200	Water	03/31/16 00:00	04/05/16 08:00
40130211004	P200	Water	03/31/16 00:00	04/05/16 08:00
40130211005	M300	Water	03/31/16 00:00	04/05/16 08:00
40130211006	P300	Water	03/31/16 00:00	04/05/16 08:00
40130211007	M400	Water	03/31/16 00:00	04/05/16 08:00
40130211008	P400	Water	03/31/16 00:00	04/05/16 08:00
40130211009	M600	Water	03/31/16 00:00	04/05/16 08:00
40130211010	P600	Water	03/31/16 00:00	04/05/16 08:00
40130211011	M900	Water	03/31/16 00:00	04/05/16 08:00
40130211012	P900	Water	03/31/16 00:00	04/05/16 08:00
40130211013	HOUSE	Water	03/31/16 00:00	04/05/16 08:00
40130211014	TRIP BLANK	Water	03/31/16 00:00	04/05/16 08:00

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SAMPLE ANALYTE COUNT

Project: WEBSTER PIG FARM
Pace Project No.: 40130211

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40130211001	P100	WI MOD GRO	PMS	9	PASI-G
40130211002	M500	WI MOD GRO	PMS	9	PASI-G
40130211003	M200	WI MOD GRO	PMS	9	PASI-G
40130211004	P200	WI MOD GRO	PMS	9	PASI-G
40130211005	M300	WI MOD GRO	PMS	9	PASI-G
40130211006	P300	WI MOD GRO	PMS	9	PASI-G
40130211007	M400	WI MOD GRO	PMS	9	PASI-G
40130211008	P400	WI MOD GRO	PMS	9	PASI-G
40130211009	M600	WI MOD GRO	PMS	9	PASI-G
40130211010	P600	WI MOD GRO	PMS	9	PASI-G
40130211011	M900	WI MOD GRO	PMS	9	PASI-G
40130211012	P900	WI MOD GRO	PMS	9	PASI-G
40130211013	HOUSE	WI MOD GRO	PMS	9	PASI-G
40130211014	TRIP BLANK	WI MOD GRO	PMS	9	PASI-G

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PROJECT NARRATIVE

Project: WEBSTER PIG FARM
Pace Project No.: 40130211

Method: WI MOD GRO
Description: WIGRO GCV
Client: Meridian Environmental Consulting, LLC
Date: April 08, 2016

General Information:

14 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: GCV/15877

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40130115002

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

- MS (Lab ID: 1315648)
- Toluene

Additional Comments:

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

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ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
Pace Project No.: 40130211

Sample: P100 Lab ID: 40130211001 Collected: 03/31/16 00:00 Received: 04/05/16 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO									
Benzene	5470	ug/L	50.0	19.8	50		04/07/16 10:23	71-43-2	
Ethylbenzene	<19.6	ug/L	50.0	19.6	50		04/07/16 10:23	100-41-4	
Methyl-tert-butyl ether	<24.2	ug/L	50.0	24.2	50		04/07/16 10:23	1634-04-4	
Naphthalene	<21.2	ug/L	50.0	21.2	50		04/07/16 10:23	91-20-3	
Toluene	30.7J	ug/L	50.0	19.4	50		04/07/16 10:23	108-88-3	
1,2,4-Trimethylbenzene	<20.9	ug/L	50.0	20.9	50		04/07/16 10:23	95-63-6	
1,3,5-Trimethylbenzene	<20.8	ug/L	50.0	20.8	50		04/07/16 10:23	108-67-8	
Xylene (Total)	<62.4	ug/L	150	62.4	50		04/07/16 10:23	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		50		04/07/16 10:23	98-08-8	

Sample: M500 Lab ID: 40130211002 Collected: 03/31/16 00:00 Received: 04/05/16 08:00 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		04/06/16 14:42	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		04/06/16 14:42	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		04/06/16 14:42	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		04/06/16 14:42	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		04/06/16 14:42	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 14:42	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 14:42	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		04/06/16 14:42	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		04/06/16 14:42	98-08-8	

Sample: M200 Lab ID: 40130211003 Collected: 03/31/16 00:00 Received: 04/05/16 08:00 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		04/06/16 15:08	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		04/06/16 15:08	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		04/06/16 15:08	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		04/06/16 15:08	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		04/06/16 15:08	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 15:08	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 15:08	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		04/06/16 15:08	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		04/06/16 15:08	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
 Pace Project No.: 40130211

Sample: P200 Lab ID: 40130211004 Collected: 03/31/16 00:00 Received: 04/05/16 08:00 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		04/06/16 10:51	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		04/06/16 10:51	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		04/06/16 10:51	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		04/06/16 10:51	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		04/06/16 10:51	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 10:51	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 10:51	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		04/06/16 10:51	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%	80-120		1		04/06/16 10:51	98-08-8	

Sample: M300 Lab ID: 40130211005 Collected: 03/31/16 00:00 Received: 04/05/16 08:00 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		04/06/16 11:17	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		04/06/16 11:17	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		04/06/16 11:17	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		04/06/16 11:17	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		04/06/16 11:17	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 11:17	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 11:17	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		04/06/16 11:17	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		04/06/16 11:17	98-08-8	

Sample: P300 Lab ID: 40130211006 Collected: 03/31/16 00:00 Received: 04/05/16 08:00 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		04/06/16 11:42	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		04/06/16 11:42	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		04/06/16 11:42	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		04/06/16 11:42	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		04/06/16 11:42	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 11:42	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 11:42	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		04/06/16 11:42	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		04/06/16 11:42	98-08-8	

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ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
Pace Project No.: 40130211

Sample: M400 Lab ID: 40130211007 Collected: 03/31/16 00:00 Received: 04/05/16 08:00 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		04/06/16 12:08	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		04/06/16 12:08	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		04/06/16 12:08	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		04/06/16 12:08	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		04/06/16 12:08	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 12:08	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 12:08	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		04/06/16 12:08	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		1		04/06/16 12:08	98-08-8	

Sample: P400 Lab ID: 40130211008 Collected: 03/31/16 00:00 Received: 04/05/16 08:00 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		04/06/16 12:33	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		04/06/16 12:33	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		04/06/16 12:33	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		04/06/16 12:33	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		04/06/16 12:33	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 12:33	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 12:33	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		04/06/16 12:33	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		04/06/16 12:33	98-08-8	

Sample: M600 Lab ID: 40130211009 Collected: 03/31/16 00:00 Received: 04/05/16 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO									
Benzene	85.6	ug/L	10.0	4.0	10		04/06/16 16:00	71-43-2	
Ethylbenzene	144	ug/L	10.0	3.9	10		04/06/16 16:00	100-41-4	
Methyl-tert-butyl ether	5.2J	ug/L	10.0	4.8	10		04/06/16 16:00	1634-04-4	
Naphthalene	195	ug/L	10.0	4.2	10		04/06/16 16:00	91-20-3	
Toluene	87.5	ug/L	10.0	3.9	10		04/06/16 16:00	108-88-3	
1,2,4-Trimethylbenzene	122	ug/L	10.0	4.2	10		04/06/16 16:00	95-63-6	
1,3,5-Trimethylbenzene	181	ug/L	10.0	4.2	10		04/06/16 16:00	108-67-8	
Xylene (Total)	482	ug/L	30.0	12.5	10		04/06/16 16:00	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%	80-120		10		04/06/16 16:00	98-08-8	

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ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
Pace Project No.: 40130211

Sample: P600 Lab ID: 40130211010 Collected: 03/31/16 00:00 Received: 04/05/16 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: WI MOD GRO							
Benzene	240	ug/L	5.0	2.0	5		04/07/16 19:02	71-43-2	
Ethylbenzene	32.7	ug/L	5.0	2.0	5		04/07/16 19:02	100-41-4	
Methyl-tert-butyl ether	<2.4	ug/L	5.0	2.4	5		04/07/16 19:02	1634-04-4	
Naphthalene	104	ug/L	5.0	2.1	5		04/07/16 19:02	91-20-3	
Toluene	290	ug/L	5.0	1.9	5		04/07/16 19:02	108-88-3	
1,2,4-Trimethylbenzene	93.6	ug/L	5.0	2.1	5		04/07/16 19:02	95-63-6	
1,3,5-Trimethylbenzene	124	ug/L	5.0	2.1	5		04/07/16 19:02	108-67-8	
Xylene (Total)	395	ug/L	15.0	6.2	5		04/07/16 19:02	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	109	%	80-120		5		04/07/16 19:02	98-08-8	

Sample: M900 Lab ID: 40130211011 Collected: 03/31/16 00:00 Received: 04/05/16 08:00 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		04/06/16 13:01	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		04/06/16 13:01	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		04/06/16 13:01	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		04/06/16 13:01	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		04/06/16 13:01	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 13:01	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 13:01	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		04/06/16 13:01	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		1		04/06/16 13:01	98-08-8	

Sample: P900 Lab ID: 40130211012 Collected: 03/31/16 00:00 Received: 04/05/16 08:00 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		04/06/16 13:26	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		04/06/16 13:26	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		04/06/16 13:26	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		04/06/16 13:26	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		04/06/16 13:26	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 13:26	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 13:26	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		04/06/16 13:26	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		1		04/06/16 13:26	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
Pace Project No.: 40130211

Sample: HOUSE Lab ID: 40130211013 Collected: 03/31/16 00:00 Received: 04/05/16 08:00 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		04/06/16 13:52	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		04/06/16 13:52	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		04/06/16 13:52	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		04/06/16 13:52	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		04/06/16 13:52	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 13:52	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 13:52	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		04/06/16 13:52	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		1		04/06/16 13:52	98-08-8	

Sample: TRIP BLANK Lab ID: 40130211014 Collected: 03/31/16 00:00 Received: 04/05/16 08:00 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		04/06/16 14:43	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		04/06/16 14:43	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		04/06/16 14:43	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		04/06/16 14:43	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		04/06/16 14:43	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 14:43	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/16 14:43	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		04/06/16 14:43	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	106	%	80-120		1		04/06/16 14:43	98-08-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WEBSTER PIG FARM
Pace Project No.: 40130211

QC Batch: GCV/15877 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40130211001, 40130211002, 40130211003

METHOD BLANK: 1315602 Matrix: Water
Associated Lab Samples: 40130211001, 40130211002, 40130211003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	04/06/16 08:27	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	04/06/16 08:27	
Benzene	ug/L	<0.40	1.0	04/06/16 08:27	
Ethylbenzene	ug/L	<0.39	1.0	04/06/16 08:27	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	04/06/16 08:27	
Naphthalene	ug/L	<0.42	1.0	04/06/16 08:27	
Toluene	ug/L	<0.39	1.0	04/06/16 08:27	
Xylene (Total)	ug/L	<1.2	3.0	04/06/16 08:27	
a,a,a-Trifluorotoluene (S)	%	103	80-120	04/06/16 08:27	

LABORATORY CONTROL SAMPLE & LCSD: 1315603		1315604									
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	21.9	22.2	109	111	80-120	1	20		
1,3,5-Trimethylbenzene	ug/L	20	21.6	21.6	108	108	80-120	0	20		
Benzene	ug/L	20	21.1	21.6	105	108	80-120	2	20		
Ethylbenzene	ug/L	20	21.2	21.5	106	108	80-120	1	20		
Methyl-tert-butyl ether	ug/L	20	19.6	20.9	98	105	80-120	7	20		
Naphthalene	ug/L	20	19.7	22.2	99	111	80-120	12	20		
Toluene	ug/L	20	21.2	21.3	106	106	80-120	0	20		
Xylene (Total)	ug/L	60	63.9	64.7	107	108	80-120	1	20		
a,a,a-Trifluorotoluene (S)	%				103	102	80-120				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1315648		1315649											
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40130115002 Result	Spike Conc.	Spike Conc.	MS Conc.								
1,2,4-Trimethylbenzene	ug/L	<4.2	200	200	236	235	118	117	117	29-200	0	20	
1,3,5-Trimethylbenzene	ug/L	<4.2	200	200	229	229	115	114	114	57-171	0	20	
Benzene	ug/L	<4.0	200	200	225	222	113	111	111	69-150	2	20	
Ethylbenzene	ug/L	10.2	200	200	243	243	116	116	116	80-146	0	20	
Methyl-tert-butyl ether	ug/L	<4.8	200	200	212	201	106	100	100	80-120	5	20	
Naphthalene	ug/L	<4.2	200	200	223	224	111	112	112	66-137	1	20	
Toluene	ug/L	1600	200	200	1920	1880	162	139	139	67-156	2	20 M1	
Xylene (Total)	ug/L	<12.5	600	600	711	709	116	116	116	71-162	0	20	
a,a,a-Trifluorotoluene (S)	%						104	104	104	80-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WEBSTER PIG FARM
Pace Project No.: 40130211

QC Batch: GCV/15878 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40130211004, 40130211005, 40130211006, 40130211007, 40130211008, 40130211009, 40130211011, 40130211012, 40130211013, 40130211014

METHOD BLANK: 1315605 Matrix: Water
Associated Lab Samples: 40130211004, 40130211005, 40130211006, 40130211007, 40130211008, 40130211009, 40130211011, 40130211012, 40130211013, 40130211014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	04/06/16 08:49	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	04/06/16 08:49	
Benzene	ug/L	<0.40	1.0	04/06/16 08:49	
Ethylbenzene	ug/L	<0.39	1.0	04/06/16 08:49	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	04/06/16 08:49	
Naphthalene	ug/L	<0.42	1.0	04/06/16 08:49	
Toluene	ug/L	<0.39	1.0	04/06/16 08:49	
Xylene (Total)	ug/L	<1.2	3.0	04/06/16 08:49	
a,a,a-Trifluorotoluene (S)	%	106	80-120	04/06/16 08:49	

LABORATORY CONTROL SAMPLE & LCSD: 1315606 1315607

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	20.2	21.4	101	107	80-120	6	20	
1,3,5-Trimethylbenzene	ug/L	20	19.5	20.6	97	103	80-120	6	20	
Benzene	ug/L	20	20.6	21.6	103	108	80-120	5	20	
Ethylbenzene	ug/L	20	20.2	21.3	101	107	80-120	5	20	
Methyl-tert-butyl ether	ug/L	20	21.0	20.8	105	104	80-120	1	20	
Naphthalene	ug/L	20	21.6	21.6	108	108	80-120	0	20	
Toluene	ug/L	20	20.8	21.9	104	110	80-120	5	20	
Xylene (Total)	ug/L	60	60.5	63.7	101	106	80-120	5	20	
a,a,a-Trifluorotoluene (S)	%				107	107	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1315803 1315804

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40130211009 Result	Spike Conc.	Spike Conc.	MS Result						
1,2,4-Trimethylbenzene	ug/L	122	200	200	342	347	110	112	29-200	2	20
1,3,5-Trimethylbenzene	ug/L	181	200	200	397	396	108	107	57-171	0	20
Benzene	ug/L	85.6	200	200	303	300	109	107	69-150	1	20
Ethylbenzene	ug/L	144	200	200	366	365	111	110	80-146	0	20
Methyl-tert-butyl ether	ug/L	5.2J	200	200	210	213	102	104	80-120	1	20
Naphthalene	ug/L	195	200	200	405	416	105	111	66-137	3	20
Toluene	ug/L	87.5	200	200	315	312	113	112	67-156	1	20
Xylene (Total)	ug/L	482	600	600	1130	1130	108	108	71-162	0	20
a,a,a-Trifluorotoluene (S)	%						109	109	80-120		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WEBSTER PIG FARM
Pace Project No.: 40130211

QC Batch: GCV/15881 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40130211010

METHOD BLANK: 1316308 Matrix: Water
Associated Lab Samples: 40130211010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	04/07/16 08:14	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	04/07/16 08:14	
Benzene	ug/L	<0.40	1.0	04/07/16 08:14	
Ethylbenzene	ug/L	<0.39	1.0	04/07/16 08:14	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	04/07/16 08:14	
Naphthalene	ug/L	<0.42	1.0	04/07/16 08:14	
Toluene	ug/L	<0.39	1.0	04/07/16 08:14	
Xylene (Total)	ug/L	<1.2	3.0	04/07/16 08:14	
a,a,a-Trifluorotoluene (S)	%	103	80-120	04/07/16 08:14	

Parameter	Units	1316309		1316310		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec				
1,2,4-Trimethylbenzene	ug/L	20	21.9	22.3	110	112	80-120	2	20
1,3,5-Trimethylbenzene	ug/L	20	21.4	21.8	107	109	80-120	2	20
Benzene	ug/L	20	22.4	22.2	112	111	80-120	1	20
Ethylbenzene	ug/L	20	22.0	22.0	110	110	80-120	0	20
Methyl-tert-butyl ether	ug/L	20	21.8	21.1	109	106	80-120	3	20
Naphthalene	ug/L	20	22.4	22.2	112	111	80-120	1	20
Toluene	ug/L	20	22.3	22.2	111	111	80-120	0	20
Xylene (Total)	ug/L	60	66.0	66.3	110	110	80-120	0	20
a,a,a-Trifluorotoluene (S)	%				103	103	80-120		

Parameter	Units	1316660		1316661		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40130222004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
1,2,4-Trimethylbenzene	ug/L	<0.42	20	20	21.1	21.8	105	109	29-200	4	20
1,3,5-Trimethylbenzene	ug/L	<0.42	20	20	20.7	21.5	103	107	57-171	4	20
Benzene	ug/L	<0.40	20	20	21.4	22.5	107	112	69-150	5	20
Ethylbenzene	ug/L	<0.39	20	20	21.5	22.8	108	114	80-146	6	20
Methyl-tert-butyl ether	ug/L	<0.48	20	20	19.8	20.8	99	104	80-120	5	20
Naphthalene	ug/L	<0.42	20	20	21.5	24.6	107	123	66-137	14	20
Toluene	ug/L	<0.39	20	20	21.8	23.0	109	115	67-156	5	20
Xylene (Total)	ug/L	<1.2	60	60	63.3	67.0	106	112	71-162	6	20
a,a,a-Trifluorotoluene (S)	%						104	103	80-120		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: WEBSTER PIG FARM
Pace Project No.: 40130211

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

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WEBSTER PIG FARM
Pace Project No.: 40130211

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40130211001	P100	WI MOD GRO	GCV/15877		
40130211002	M500	WI MOD GRO	GCV/15877		
40130211003	M200	WI MOD GRO	GCV/15877		
40130211004	P200	WI MOD GRO	GCV/15878		
40130211005	M300	WI MOD GRO	GCV/15878		
40130211006	P300	WI MOD GRO	GCV/15878		
40130211007	M400	WI MOD GRO	GCV/15878		
40130211008	P400	WI MOD GRO	GCV/15878		
40130211009	M600	WI MOD GRO	GCV/15878		
40130211010	P600	WI MOD GRO	GCV/15881		
40130211011	M900	WI MOD GRO	GCV/15878		
40130211012	P900	WI MOD GRO	GCV/15878		
40130211013	HOUSE	WI MOD GRO	GCV/15878		
40130211014	TRIP BLANK	WI MOD GRO	GCV/15878		

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(Please Print Clearly)

UPPER MIDWEST REGION

Page 1 of

MN: 612-607-1700 WI: 920-469-2438

40130211

Page 16 of 17



CHAIN OF CUSTODY

Company Name: Meridian E.C.
 Branch/Location:
 Project Contact: Ken Shinks
 Phone: 715-832-6608
 Project Number:
 Project Name: Webster P. & Fm
 Project State: WI
 Sampled By (Print): Ken Shinks
 Sampled By (Sign): [Signature]
 PO #:
 Regulatory Program:

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

Filtered? (YES/NO)	V/N	Preservation (CODE)*	Pinch/Letter	Analysis Requested
				PDDCT Neph

Quote #:
 Mail To Contact: Ken Shinks
 Mail To Company: Meridian E.C.
 Mail To Address: 2711 N. Elco Rd Fall Creek WI
 Invoice To Contact: 54742
 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		MATRIX	Analysis Requested	Pinch/Letter	V/N	Preservation (CODE)*	Filtered? (YES/NO)	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
		DATE	TIME									
001	P100	3/31		610		X					3-40ml v ^B	
002	M500											
003	M200											
004	P200											
005	M300											
006	P300											
007	M400											
008	P400											
009	M600											
010	P600											
011	M 800 900											
012	P 800 900											
013	House											

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: 4/14/16
 Relinquished By: [Signature] Date/Time: 4/14/16 9u
 Received By: Dunham Date/Time: 4/14/16 9u
 Transmit Prelim Rush Results by (complete what you want):
 Relinquished By: Dunham Date/Time: 4/15/16 0800
 Received By: Zachary Schramm Date/Time: 4/15/16 0800
 PACE Project No. 40130211
 Receipt Temp = 201 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

C019a(27Jun2006) ¹014 Trip Blank 2-40ml v^B ¹added to COC by lab because included in shipment



Sample Condition Upon Receipt

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

Project #:

WO#: 40130211



Client Name: Meridian FLC

Courier: Fed Ex UPS Client Pace Other: Dunham

Tracking #: 1152351

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 NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ICorr: ROI Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 4/5/16
Initials: SB

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

Comments:

Table with 15 rows of inspection items and checkboxes. Includes items like Chain of Custody Present, Short Hold Time Analysis, and Trip Blank Present. Contains handwritten notes and signatures.

Client Notification/ Resolution:
Person Contacted:
Date/Time:
Comments/ Resolution:

Project Manager Review:
Date: 4-5-16

June 29, 2016

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

RE: Project: WEBSTER PIG FARM
Pace Project No.: 40134244

Dear Kenneth Shimko:

Enclosed are the analytical results for sample(s) received by the laboratory on June 23, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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



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CERTIFICATIONS

Project: WEBSTER PIG FARM
Pace Project No.: 40134244

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150

South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: WEBSTER PIG FARM
Pace Project No.: 40134244

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40134244001	P-100	Water	06/21/16 00:00	06/23/16 07:30
40134244002	MW-200	Water	06/21/16 00:00	06/23/16 07:30
40134244003	P-200	Water	06/21/16 00:00	06/23/16 07:30
40134244004	MW-300	Water	06/21/16 00:00	06/23/16 07:30
40134244005	P-300	Water	06/21/16 00:00	06/23/16 07:30
40134244006	MW-400	Water	06/21/16 00:00	06/23/16 07:30
40134244007	P-400	Water	06/21/16 00:00	06/23/16 07:30
40134244008	MW-500	Water	06/21/16 00:00	06/23/16 07:30
40134244009	MW-600	Water	06/21/16 00:00	06/23/16 07:30
40134244010	P-600	Water	06/21/16 00:00	06/23/16 07:30
40134244011	MW-900	Water	06/21/16 00:00	06/23/16 07:30
40134244012	P-900	Water	06/21/16 00:00	06/23/16 07:30
40134244013	HOUSE	Water	06/21/16 00:00	06/23/16 07:30
40134244014	TRIP BLANK	Water	06/21/16 00:00	06/23/16 07:30

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SAMPLE ANALYTE COUNT

Project: WEBSTER PIG FARM
Pace Project No.: 40134244

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40134244001	P-100	WI MOD GRO	PMS	9	PASI-G
40134244002	MW-200	WI MOD GRO	PMS	9	PASI-G
40134244003	P-200	WI MOD GRO	PMS	9	PASI-G
40134244004	MW-300	WI MOD GRO	PMS	9	PASI-G
40134244005	P-300	WI MOD GRO	PMS	9	PASI-G
40134244006	MW-400	WI MOD GRO	PMS	9	PASI-G
40134244007	P-400	WI MOD GRO	PMS	9	PASI-G
40134244008	MW-500	WI MOD GRO	PMS	9	PASI-G
40134244009	MW-600	WI MOD GRO	PMS	9	PASI-G
40134244010	P-600	WI MOD GRO	PMS	9	PASI-G
40134244011	MW-900	WI MOD GRO	PMS	9	PASI-G
40134244012	P-900	WI MOD GRO	PMS	9	PASI-G
40134244013	HOUSE	WI MOD GRO	PMS	9	PASI-G
40134244014	TRIP BLANK	WI MOD GRO	PMS	9	PASI-G

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PROJECT NARRATIVE

Project: WEBSTER PIG FARM
Pace Project No.: 40134244

Method: WI MOD GRO
Description: WIGRO GCV
Client: Meridian Environmental Consulting, LLC
Date: June 29, 2016

General Information:

14 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: GCV/16206

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40134248018

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

- MS (Lab ID: 1356453)
- Toluene

Additional Comments:

Analyte Comments:

QC Batch: GCV/16206

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- P-600 (Lab ID: 40134244010)
- a,a,a-Trifluorotoluene (S)

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

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ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
Pace Project No.: 40134244

Sample: P-100 Lab ID: 40134244001 Collected: 06/21/16 00:00 Received: 06/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO									
Benzene	4100	ug/L	40.0	15.8	40		06/27/16 20:27	71-43-2	
Ethylbenzene	<15.7	ug/L	40.0	15.7	40		06/27/16 20:27	100-41-4	
Methyl-tert-butyl ether	<19.4	ug/L	40.0	19.4	40		06/27/16 20:27	1634-04-4	
Naphthalene	<17.0	ug/L	40.0	17.0	40		06/27/16 20:27	91-20-3	
Toluene	29.7J	ug/L	40.0	15.5	40		06/27/16 20:27	108-88-3	
1,2,4-Trimethylbenzene	<16.7	ug/L	40.0	16.7	40		06/27/16 20:27	95-63-6	
1,3,5-Trimethylbenzene	<16.6	ug/L	40.0	16.6	40		06/27/16 20:27	108-67-8	
Xylene (Total)	<49.9	ug/L	120	49.9	40		06/27/16 20:27	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	96	%	80-120		40		06/27/16 20:27	98-08-8	

Sample: MW-200 Lab ID: 40134244002 Collected: 06/21/16 00:00 Received: 06/23/16 07:30 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		06/25/16 03:00	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		06/25/16 03:00	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		06/25/16 03:00	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		06/25/16 03:00	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		06/25/16 03:00	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 03:00	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 03:00	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		06/25/16 03:00	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		06/25/16 03:00	98-08-8	

Sample: P-200 Lab ID: 40134244003 Collected: 06/21/16 00:00 Received: 06/23/16 07:30 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		06/25/16 03:26	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		06/25/16 03:26	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		06/25/16 03:26	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		06/25/16 03:26	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		06/25/16 03:26	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 03:26	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 03:26	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		06/25/16 03:26	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		06/25/16 03:26	98-08-8	

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ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
Pace Project No.: 40134244

Sample: MW-300 Lab ID: 40134244004 Collected: 06/21/16 00:00 Received: 06/23/16 07:30 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		06/25/16 03:52	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		06/25/16 03:52	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		06/25/16 03:52	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		06/25/16 03:52	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		06/25/16 03:52	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 03:52	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 03:52	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		06/25/16 03:52	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		06/25/16 03:52	98-08-8	

Sample: P-300 Lab ID: 40134244005 Collected: 06/21/16 00:00 Received: 06/23/16 07:30 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		06/25/16 04:17	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		06/25/16 04:17	100-41-4	
Methyl-tert-butyl ether	0.67J	ug/L	1.0	0.48	1		06/25/16 04:17	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		06/25/16 04:17	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		06/25/16 04:17	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 04:17	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 04:17	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		06/25/16 04:17	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		06/25/16 04:17	98-08-8	

Sample: MW-400 Lab ID: 40134244006 Collected: 06/21/16 00:00 Received: 06/23/16 07:30 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		06/25/16 09:00	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		06/25/16 09:00	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		06/25/16 09:00	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		06/25/16 09:00	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		06/25/16 09:00	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 09:00	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 09:00	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		06/25/16 09:00	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		06/25/16 09:00	98-08-8	

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ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
Pace Project No.: 40134244

Sample: P-400 Lab ID: 40134244007 Collected: 06/21/16 00:00 Received: 06/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO									
Benzene	3.3	ug/L	1.0	0.40	1		06/25/16 09:25	71-43-2	
Ethylbenzene	0.50J	ug/L	1.0	0.39	1		06/25/16 09:25	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		06/25/16 09:25	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		06/25/16 09:25	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		06/25/16 09:25	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 09:25	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 09:25	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		06/25/16 09:25	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		06/25/16 09:25	98-08-8	

Sample: MW-500 Lab ID: 40134244008 Collected: 06/21/16 00:00 Received: 06/23/16 07:30 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		06/25/16 09:51	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		06/25/16 09:51	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		06/25/16 09:51	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		06/25/16 09:51	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		06/25/16 09:51	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 09:51	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 09:51	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		06/25/16 09:51	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		06/25/16 09:51	98-08-8	

Sample: MW-600 Lab ID: 40134244009 Collected: 06/21/16 00:00 Received: 06/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO									
Benzene	55.7	ug/L	5.0	2.0	5		06/27/16 19:55	71-43-2	
Ethylbenzene	85.5	ug/L	5.0	2.0	5		06/27/16 19:55	100-41-4	
Methyl-tert-butyl ether	6.1	ug/L	5.0	2.4	5		06/27/16 19:55	1634-04-4	
Naphthalene	162	ug/L	5.0	2.1	5		06/27/16 19:55	91-20-3	
Toluene	61.8	ug/L	5.0	1.9	5		06/27/16 19:55	108-88-3	
1,2,4-Trimethylbenzene	81.0	ug/L	5.0	2.1	5		06/27/16 19:55	95-63-6	
1,3,5-Trimethylbenzene	137	ug/L	5.0	2.1	5		06/27/16 19:55	108-67-8	
Xylene (Total)	372	ug/L	15.0	6.2	5		06/27/16 19:55	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	109	%	80-120		5		06/27/16 19:55	98-08-8	

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ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
Pace Project No.: 40134244

Sample: P-600 Lab ID: 40134244010 Collected: 06/21/16 00:00 Received: 06/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO									
Benzene	434	ug/L	10.0	4.0	10		06/28/16 21:21	71-43-2	
Ethylbenzene	104	ug/L	10.0	3.9	10		06/28/16 21:21	100-41-4	
Methyl-tert-butyl ether	<4.8	ug/L	10.0	4.8	10		06/28/16 21:21	1634-04-4	
Naphthalene	232	ug/L	10.0	4.2	10		06/28/16 21:21	91-20-3	
Toluene	384	ug/L	10.0	3.9	10		06/28/16 21:21	108-88-3	
1,2,4-Trimethylbenzene	172	ug/L	10.0	4.2	10		06/28/16 21:21	95-63-6	
1,3,5-Trimethylbenzene	158	ug/L	10.0	4.2	10		06/28/16 21:21	108-67-8	
Xylene (Total)	534	ug/L	30.0	12.5	10		06/28/16 21:21	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		10		06/28/16 21:21	98-08-8	D3

Sample: MW-900 Lab ID: 40134244011 Collected: 06/21/16 00:00 Received: 06/23/16 07:30 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		06/25/16 10:17	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		06/25/16 10:17	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		06/25/16 10:17	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		06/25/16 10:17	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		06/25/16 10:17	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 10:17	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 10:17	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		06/25/16 10:17	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		06/25/16 10:17	98-08-8	

Sample: P-900 Lab ID: 40134244012 Collected: 06/21/16 00:00 Received: 06/23/16 07:30 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		06/25/16 10:43	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		06/25/16 10:43	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		06/25/16 10:43	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		06/25/16 10:43	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		06/25/16 10:43	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 10:43	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 10:43	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		06/25/16 10:43	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		06/25/16 10:43	98-08-8	

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ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
Pace Project No.: 40134244

Sample: HOUSE Lab ID: 40134244013 Collected: 06/21/16 00:00 Received: 06/23/16 07:30 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		06/25/16 11:08	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		06/25/16 11:08	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		06/25/16 11:08	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		06/25/16 11:08	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		06/25/16 11:08	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 11:08	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 11:08	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		06/25/16 11:08	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		06/25/16 11:08	98-08-8	

Sample: TRIP BLANK Lab ID: 40134244014 Collected: 06/21/16 00:00 Received: 06/23/16 07:30 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		06/25/16 11:34	71-43-2	
Ethylbenzene	<0.39	ug/L	1.0	0.39	1		06/25/16 11:34	100-41-4	
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		06/25/16 11:34	1634-04-4	
Naphthalene	<0.42	ug/L	1.0	0.42	1		06/25/16 11:34	91-20-3	
Toluene	<0.39	ug/L	1.0	0.39	1		06/25/16 11:34	108-88-3	
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 11:34	95-63-6	
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		06/25/16 11:34	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		06/25/16 11:34	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		06/25/16 11:34	98-08-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WEBSTER PIG FARM
Pace Project No.: 40134244

QC Batch: GCV/16199 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40134244001

METHOD BLANK: 1354247 Matrix: Water
Associated Lab Samples: 40134244001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	06/27/16 11:04	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	06/27/16 11:04	
Benzene	ug/L	<0.40	1.0	06/27/16 11:04	
Ethylbenzene	ug/L	<0.39	1.0	06/27/16 11:04	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	06/27/16 11:04	
Naphthalene	ug/L	<0.42	1.0	06/27/16 11:04	
Toluene	ug/L	<0.39	1.0	06/27/16 11:04	
Xylene (Total)	ug/L	<1.2	3.0	06/27/16 11:04	
a,a,a-Trifluorotoluene (S)	%	100	80-120	06/27/16 11:04	

Parameter	Units	1354248		1354249		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	% Rec				
1,2,4-Trimethylbenzene	ug/L	20	20.2	20.0	101	100	80-120	1	20
1,3,5-Trimethylbenzene	ug/L	20	19.5	19.3	98	97	80-120	1	20
Benzene	ug/L	20	20.0	19.7	100	99	80-120	1	20
Ethylbenzene	ug/L	20	19.5	19.1	97	96	80-120	2	20
Methyl-tert-butyl ether	ug/L	20	20.3	19.4	102	97	80-120	5	20
Naphthalene	ug/L	20	19.9	19.4	99	97	80-120	2	20
Toluene	ug/L	20	19.8	19.5	99	98	80-120	1	20
Xylene (Total)	ug/L	60	59.3	58.4	99	97	80-120	2	20
a,a,a-Trifluorotoluene (S)	%				101	100	80-120		

Parameter	Units	1354250		1354251		% Rec Limits	RPD	Max RPD	Qual		
		40134190004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result					MSD Result	% Rec
1,2,4-Trimethylbenzene	ug/L	191	200	200	442	468	126	139	48-177	6	20
1,3,5-Trimethylbenzene	ug/L	113	200	200	368	385	128	136	73-145	5	20
Benzene	ug/L	409	200	200	598	634	94	112	74-139	6	20
Ethylbenzene	ug/L	252	200	200	456	484	102	116	74-140	6	20
Methyl-tert-butyl ether	ug/L	<4.8	200	200	203	201	102	100	80-120	1	20
Naphthalene	ug/L	68.8	200	200	270	284	101	108	73-133	5	20
Toluene	ug/L	118	200	200	327	339	104	111	80-128	4	20
Xylene (Total)	ug/L	251	600	600	884	912	105	110	69-143	3	20
a,a,a-Trifluorotoluene (S)	%						98	99	80-120		

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QUALITY CONTROL DATA

Project: WEBSTER PIG FARM
Pace Project No.: 40134244

QC Batch: GCV/16204 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40134244002, 40134244003, 40134244004, 40134244005, 40134244006, 40134244007, 40134244008, 40134244011, 40134244012, 40134244013, 40134244014

METHOD BLANK: 1354459 Matrix: Water
Associated Lab Samples: 40134244002, 40134244003, 40134244004, 40134244005, 40134244006, 40134244007, 40134244008, 40134244011, 40134244012, 40134244013, 40134244014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	06/24/16 23:35	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	06/24/16 23:35	
Benzene	ug/L	<0.40	1.0	06/24/16 23:35	
Ethylbenzene	ug/L	<0.39	1.0	06/24/16 23:35	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	06/24/16 23:35	
Naphthalene	ug/L	<0.42	1.0	06/24/16 23:35	
Toluene	ug/L	<0.39	1.0	06/24/16 23:35	
Xylene (Total)	ug/L	<1.2	3.0	06/24/16 23:35	
a,a,a-Trifluorotoluene (S)	%	103	80-120	06/24/16 23:35	

LABORATORY CONTROL SAMPLE & LCSD: 1354460 1354461

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	19.9	19.4	99	97	80-120	3	20	
1,3,5-Trimethylbenzene	ug/L	20	19.4	19.0	97	95	80-120	2	20	
Benzene	ug/L	20	20.7	20.4	104	102	80-120	1	20	
Ethylbenzene	ug/L	20	19.6	19.3	98	97	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	21.9	21.1	109	106	80-120	3	20	
Naphthalene	ug/L	20	20.4	19.9	102	99	80-120	3	20	
Toluene	ug/L	20	20.0	19.7	100	99	80-120	1	20	
Xylene (Total)	ug/L	60	59.2	58.6	99	98	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				103	101	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1354682 1354683

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40134240002 Result	Spike Conc.	Spike Conc.	MS Result						
1,2,4-Trimethylbenzene	ug/L	591	200	200	830	843	120	126	48-177	2	20
1,3,5-Trimethylbenzene	ug/L	304	200	200	564	573	130	134	73-145	2	20
Benzene	ug/L	72.7	200	200	281	285	104	106	74-139	1	20
Ethylbenzene	ug/L	509	200	200	683	709	87	100	74-140	4	20
Methyl-tert-butyl ether	ug/L	<4.8	200	200	220	213	110	106	80-120	3	20
Naphthalene	ug/L	399	200	200	606	591	103	96	73-133	3	20
Toluene	ug/L	5.4J	200	200	214	219	104	107	80-128	2	20
Xylene (Total)	ug/L	697	600	600	1290	1330	100	106	69-143	3	20
a,a,a-Trifluorotoluene (S)	%						101	101	80-120		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WEBSTER PIG FARM
Pace Project No.: 40134244

QC Batch: GCV/16206 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40134244009, 40134244010

METHOD BLANK: 1354575 Matrix: Water
Associated Lab Samples: 40134244009, 40134244010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	06/27/16 09:39	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	06/27/16 09:39	
Benzene	ug/L	<0.40	1.0	06/27/16 09:39	
Ethylbenzene	ug/L	<0.39	1.0	06/27/16 09:39	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	06/27/16 09:39	
Naphthalene	ug/L	<0.42	1.0	06/27/16 09:39	
Toluene	ug/L	<0.39	1.0	06/27/16 09:39	
Xylene (Total)	ug/L	<1.2	3.0	06/27/16 09:39	
a,a,a-Trifluorotoluene (S)	%	103	80-120	06/27/16 09:39	

LABORATORY CONTROL SAMPLE & LCSD: 1354576 1354577

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	19.7	20.4	98	102	80-120	3	20	
1,3,5-Trimethylbenzene	ug/L	20	19.2	19.9	96	99	80-120	3	20	
Benzene	ug/L	20	20.8	21.4	104	107	80-120	3	20	
Ethylbenzene	ug/L	20	19.5	20.1	98	100	80-120	3	20	
Methyl-tert-butyl ether	ug/L	20	21.0	21.3	105	107	80-120	2	20	
Naphthalene	ug/L	20	19.6	20.3	98	102	80-120	3	20	
Toluene	ug/L	20	20.2	20.9	101	104	80-120	3	20	
Xylene (Total)	ug/L	60	59.3	60.3	99	101	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				101	104	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1356453 1356454

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40134248018 Result	Spike Conc.	Spike Conc.	MS Result						
1,2,4-Trimethylbenzene	ug/L	13.7	200	200	228	221	107	103	48-177	4	20
1,3,5-Trimethylbenzene	ug/L	16.2	200	200	240	230	112	107	73-145	4	20
Benzene	ug/L	1190	200	200	1440	1370	128	92	74-139	5	20
Ethylbenzene	ug/L	5.9J	200	200	217	212	105	103	74-140	2	20
Methyl-tert-butyl ether	ug/L	<4.8	200	200	222	216	111	108	80-120	3	20
Naphthalene	ug/L	<4.2	200	200	211	208	106	104	73-133	2	20
Toluene	ug/L	464	200	200	730	693	133	115	80-128	5	20 M1
Xylene (Total)	ug/L	361	600	600	1070	1020	118	110	69-143	5	20
a,a,a-Trifluorotoluene (S)	%						105	104	80-120		

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QUALIFIERS

Project: WEBSTER PIG FARM
Pace Project No.: 40134244

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

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WEBSTER PIG FARM
Pace Project No.: 40134244

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40134244001	P-100	WI MOD GRO	GCV/16199		
40134244002	MW-200	WI MOD GRO	GCV/16204		
40134244003	P-200	WI MOD GRO	GCV/16204		
40134244004	MW-300	WI MOD GRO	GCV/16204		
40134244005	P-300	WI MOD GRO	GCV/16204		
40134244006	MW-400	WI MOD GRO	GCV/16204		
40134244007	P-400	WI MOD GRO	GCV/16204		
40134244008	MW-500	WI MOD GRO	GCV/16204		
40134244009	MW-600	WI MOD GRO	GCV/16206		
40134244010	P-600	WI MOD GRO	GCV/16206		
40134244011	MW-900	WI MOD GRO	GCV/16204		
40134244012	P-900	WI MOD GRO	GCV/16204		
40134244013	HOUSE	WI MOD GRO	GCV/16204		
40134244014	TRIP BLANK	WI MOD GRO	GCV/16204		

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Sample Condition Upon Receipt

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

Client Name: meridian

Project #: WO#: 40134244

Courier: Fed Ex UPS Client Pace Other: Dunham
Tracking #: 1183274



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: na Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: RO1/Corr: Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 6-23-16
Initials: mm

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

Comments:

Table with 15 rows of inspection criteria and checkboxes. Includes items like Chain of Custody Present, Short Hold Time Analysis, Rush Turn Around Time Requested, etc. Handwritten notes include 'Branch/location project # mm62316' and 'missing the (W) on vial sample'.

Client Notification/ Resolution: If checked, see attached form for additional comments
Person Contacted: Date/Time:
Comments/ Resolution: Trip blank added to COC. mm62316

Project Manager Review: [Signature] Date: 6-23-16

October 18, 2016

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

RE: Project: WEBSTER PIG FARM
Pace Project No.: 40139827

Dear Kenneth Shimko:

Enclosed are the analytical results for sample(s) received by the laboratory on October 11, 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150

South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40139827001	PUMP	Water	10/07/16 14:00	10/11/16 07:20
40139827002	BAITER	Water	10/08/16 09:00	10/11/16 07:20
40139827003	TRIP BLANK	Water	10/08/16 00:00	10/11/16 07:20

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SAMPLE ANALYTE COUNT

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40139827001	PUMP	EPA 8260	LAP	64	PASI-G
40139827002	BAITER	EPA 8260	LAP	64	PASI-G
40139827003	TRIP BLANK	EPA 8260	LAP	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

Method: EPA 8260
Description: 8260 MSV
Client: Meridian Environmental Consulting, LLC
Date: October 18, 2016

General Information:

3 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of-custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 238103

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1410581)
 - Chloroethane
 - Vinyl chloride

Matrix Spikes:

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

QC Batch: 238103

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40139827001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1412037)
 - Chloroethane
 - Vinyl chloride
- MSD (Lab ID: 1412038)
 - Chloroethane
 - Vinyl chloride

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PROJECT NARRATIVE

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

Method: EPA 8260
Description: 8260 MSV
Client: Meridian Environmental Consulting, LLC
Date: October 18, 2016

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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ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

Sample: PUMP Lab ID: 40139827001 Collected: 10/07/16 14:00 Received: 10/11/16 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/17/16 11:49	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/17/16 11:49	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/17/16 11:49	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/17/16 11:49	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/17/16 11:49	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/17/16 11:49	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/17/16 11:49	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/17/16 11:49	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/17/16 11:49	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/17/16 11:49	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	95-50-1	
1,2-Dichloroethane	0.60J	ug/L	1.0	0.17	1		10/17/16 11:49	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/17/16 11:49	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/17/16 11:49	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/17/16 11:49	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/17/16 11:49	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/17/16 11:49	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/17/16 11:49	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/17/16 11:49	75-00-3	L3,M0
Chloroform	<2.5	ug/L	5.0	2.5	1		10/17/16 11:49	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/17/16 11:49	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/17/16 11:49	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/17/16 11:49	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/17/16 11:49	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/17/16 11:49	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/17/16 11:49	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/17/16 11:49	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	127-18-4	

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ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

Sample: PUMP Lab ID: 40139827001 Collected: 10/07/16 14:00 Received: 10/11/16 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/17/16 11:49	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/17/16 11:49	75-69-4	
Vinyl chloride	0.37J	ug/L	1.0	0.18	1		10/17/16 11:49	75-01-4	L1,M0
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/16 11:49	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/17/16 11:49	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/17/16 11:49	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/17/16 11:49	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/17/16 11:49	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/16 11:49	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/17/16 11:49	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/17/16 11:49	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		10/17/16 11:49	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		10/17/16 11:49	2037-26-5	

Sample: BAITER Lab ID: 40139827002 Collected: 10/08/16 09:00 Received: 10/11/16 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/18/16 09:31	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/18/16 09:31	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/18/16 09:31	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/18/16 09:31	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/18/16 09:31	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/18/16 09:31	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/18/16 09:31	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/18/16 09:31	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/18/16 09:31	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/18/16 09:31	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	95-50-1	
1,2-Dichloroethane	0.57J	ug/L	1.0	0.17	1		10/18/16 09:31	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/18/16 09:31	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	142-28-9	

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ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

Sample: BAITER Lab ID: 40139827002 Collected: 10/08/16 09:00 Received: 10/11/16 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/18/16 09:31	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/18/16 09:31	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/18/16 09:31	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/18/16 09:31	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/18/16 09:31	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/18/16 09:31	75-00-3	L3
Chloroform	<2.5	ug/L	5.0	2.5	1		10/18/16 09:31	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/18/16 09:31	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/18/16 09:31	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/18/16 09:31	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/18/16 09:31	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/18/16 09:31	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/18/16 09:31	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/18/16 09:31	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/18/16 09:31	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/18/16 09:31	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/18/16 09:31	75-01-4	L3
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/18/16 09:31	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/18/16 09:31	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/18/16 09:31	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/18/16 09:31	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/18/16 09:31	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/18/16 09:31	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/18/16 09:31	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		10/18/16 09:31	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		10/18/16 09:31	1868-53-7	
Toluene-d8 (S)	109	%	70-130		1		10/18/16 09:31	2037-26-5	

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ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

Sample: TRIP BLANK Lab ID: 40139827003 Collected: 10/08/16 00:00 Received: 10/11/16 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/17/16 18:03	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/17/16 18:03	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/17/16 18:03	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/17/16 18:03	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/17/16 18:03	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/17/16 18:03	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/17/16 18:03	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/17/16 18:03	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/17/16 18:03	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/17/16 18:03	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/17/16 18:03	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/17/16 18:03	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/17/16 18:03	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/17/16 18:03	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/17/16 18:03	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/17/16 18:03	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/17/16 18:03	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/17/16 18:03	75-00-3	L3
Chloroform	<2.5	ug/L	5.0	2.5	1		10/17/16 18:03	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/17/16 18:03	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/17/16 18:03	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/17/16 18:03	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/17/16 18:03	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/17/16 18:03	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/17/16 18:03	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/17/16 18:03	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	127-18-4	

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ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

Sample: TRIP BLANK Lab ID: 40139827003 Collected: 10/08/16 00:00 Received: 10/11/16 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/17/16 18:03	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/17/16 18:03	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/17/16 18:03	75-01-4	L3
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/16 18:03	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/17/16 18:03	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/17/16 18:03	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/17/16 18:03	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/17/16 18:03	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/16 18:03	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/17/16 18:03	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/17/16 18:03	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		10/17/16 18:03	1868-53-7	
Toluene-d8 (S)	109	%	70-130		1		10/17/16 18:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

QC Batch: 238103 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40139827001, 40139827002, 40139827003

METHOD BLANK: 1410580 Matrix: Water
Associated Lab Samples: 40139827001, 40139827002, 40139827003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/17/16 07:33	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/17/16 07:33	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/17/16 07:33	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/17/16 07:33	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/17/16 07:33	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/17/16 07:33	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/17/16 07:33	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/17/16 07:33	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/17/16 07:33	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/17/16 07:33	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/17/16 07:33	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/17/16 07:33	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/17/16 07:33	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/17/16 07:33	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/17/16 07:33	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/17/16 07:33	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/17/16 07:33	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/17/16 07:33	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/17/16 07:33	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/17/16 07:33	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/17/16 07:33	
2-Chlorotoluene	ug/L	<0.50	1.0	10/17/16 07:33	
4-Chlorotoluene	ug/L	<0.21	1.0	10/17/16 07:33	
Benzene	ug/L	<0.50	1.0	10/17/16 07:33	
Bromobenzene	ug/L	<0.23	1.0	10/17/16 07:33	
Bromochloromethane	ug/L	<0.34	1.0	10/17/16 07:33	
Bromodichloromethane	ug/L	<0.50	1.0	10/17/16 07:33	
Bromoform	ug/L	<0.50	1.0	10/17/16 07:33	
Bromomethane	ug/L	<2.4	5.0	10/17/16 07:33	
Carbon tetrachloride	ug/L	<0.50	1.0	10/17/16 07:33	
Chlorobenzene	ug/L	<0.50	1.0	10/17/16 07:33	
Chloroethane	ug/L	<0.37	1.0	10/17/16 07:33	
Chloroform	ug/L	<2.5	5.0	10/17/16 07:33	
Chloromethane	ug/L	<0.50	1.0	10/17/16 07:33	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/17/16 07:33	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/17/16 07:33	
Dibromochloromethane	ug/L	<0.50	1.0	10/17/16 07:33	
Dibromomethane	ug/L	<0.43	1.0	10/17/16 07:33	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/17/16 07:33	
Diisopropyl ether	ug/L	<0.50	1.0	10/17/16 07:33	
Ethylbenzene	ug/L	<0.50	1.0	10/17/16 07:33	

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QUALITY CONTROL DATA

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

METHOD BLANK: 1410580 Matrix: Water
Associated Lab Samples: 40139827001, 40139827002, 40139827003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/17/16 07:33	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/17/16 07:33	
m&p-Xylene	ug/L	<1.0	2.0	10/17/16 07:33	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/17/16 07:33	
Methylene Chloride	ug/L	<0.23	1.0	10/17/16 07:33	
n-Butylbenzene	ug/L	<0.50	1.0	10/17/16 07:33	
n-Propylbenzene	ug/L	<0.50	1.0	10/17/16 07:33	
Naphthalene	ug/L	<2.5	5.0	10/17/16 07:33	
o-Xylene	ug/L	<0.50	1.0	10/17/16 07:33	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/17/16 07:33	
sec-Butylbenzene	ug/L	<2.2	5.0	10/17/16 07:33	
Styrene	ug/L	<0.50	1.0	10/17/16 07:33	
tert-Butylbenzene	ug/L	<0.18	1.0	10/17/16 07:33	
Tetrachloroethene	ug/L	<0.50	1.0	10/17/16 07:33	
Toluene	ug/L	<0.50	1.0	10/17/16 07:33	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/17/16 07:33	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/17/16 07:33	
Trichloroethene	ug/L	<0.33	1.0	10/17/16 07:33	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/17/16 07:33	
Vinyl chloride	ug/L	<0.18	1.0	10/17/16 07:33	
4-Bromofluorobenzene (S)	%	95	70-130	10/17/16 07:33	
Dibromofluoromethane (S)	%	102	70-130	10/17/16 07:33	
Toluene-d8 (S)	%	106	70-130	10/17/16 07:33	

LABORATORY CONTROL SAMPLE: 1410581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.0	106	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	57.9	116	67-130	
1,1,2-Trichloroethane	ug/L	50	54.5	109	70-130	
1,1-Dichloroethane	ug/L	50	57.1	114	70-133	
1,1-Dichloroethene	ug/L	50	56.3	113	70-130	
1,2,4-Trichlorobenzene	ug/L	50	45.6	91	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	51.4	103	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	52.8	106	70-130	
1,2-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,2-Dichloroethane	ug/L	50	55.8	112	70-130	
1,2-Dichloropropane	ug/L	50	54.3	109	70-130	
1,3-Dichlorobenzene	ug/L	50	50.0	100	70-130	
1,4-Dichlorobenzene	ug/L	50	49.3	99	70-130	
Benzene	ug/L	50	57.3	115	60-135	
Bromodichloromethane	ug/L	50	54.6	109	70-130	
Bromoform	ug/L	50	50.4	101	70-130	
Bromomethane	ug/L	50	46.0	92	33-130	

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QUALITY CONTROL DATA

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

LABORATORY CONTROL SAMPLE: 1410581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	55.2	110	70-138	
Chlorobenzene	ug/L	50	53.1	106	70-130	
Chloroethane	ug/L	50	69.9	140	51-130	LO
Chloroform	ug/L	50	55.2	110	70-130	
Chloromethane	ug/L	50	58.5	117	25-132	
cis-1,2-Dichloroethene	ug/L	50	55.3	111	69-130	
cis-1,3-Dichloropropene	ug/L	50	42.5	85	70-130	
Dibromochloromethane	ug/L	50	51.1	102	70-130	
Dichlorodifluoromethane	ug/L	50	60.2	120	23-130	
Ethylbenzene	ug/L	50	55.6	111	70-136	
Isopropylbenzene (Cumene)	ug/L	50	54.9	110	70-140	
m&p-Xylene	ug/L	100	109	109	70-138	
Methyl-tert-butyl ether	ug/L	50	61.9	124	66-138	
Methylene Chloride	ug/L	50	58.3	117	70-130	
o-Xylene	ug/L	50	55.4	111	70-134	
Styrene	ug/L	50	55.3	111	70-133	
Tetrachloroethene	ug/L	50	47.4	95	70-138	
Toluene	ug/L	50	55.6	111	70-130	
trans-1,2-Dichloroethene	ug/L	50	57.9	116	70-131	
trans-1,3-Dichloropropene	ug/L	50	45.0	90	69-130	
Trichloroethene	ug/L	50	52.4	105	70-130	
Trichlorofluoromethane	ug/L	50	64.3	129	50-150	
Vinyl chloride	ug/L	50	69.8	140	49-130	LO
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			105	70-130	
Toluene-d8 (S)	%			109	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1412037 1412038

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40139827001 Result	Spike Conc.	Spike Conc.	Result							Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	53.0	50.9	106	102	70-134	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	54.7	55.5	109	111	67-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	56.2	53.1	112	106	70-130	6	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	58.0	58.1	116	116	70-134	0	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	57.5	56.3	115	113	68-136	2	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	43.6	43.0	87	85	62-139	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	50.7	50.7	101	101	50-150	0	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	54.6	53.4	109	107	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	48.3	48.1	96	96	70-130	0	20	
1,2-Dichloroethane	ug/L	0.60J	50	50	57.3	56.2	113	111	70-130	2	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	54.2	53.4	108	107	70-130	1	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.4	48.2	97	96	70-131	1	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	47.7	46.8	95	94	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1412037		1412038		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40139827001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Benzene	ug/L	<0.50	50	50	56.8	56.2	114	112	57-138	1	20		
Bromodichloromethane	ug/L	<0.50	50	50	51.8	52.5	104	105	70-130	1	20		
Bromoform	ug/L	<0.50	50	50	50.4	47.7	101	95	70-130	6	20		
Bromomethane	ug/L	<2.4	50	50	47.7	48.5	95	97	33-130	2	27		
Carbon tetrachloride	ug/L	<0.50	50	50	55.1	54.8	110	110	70-138	1	20		
Chlorobenzene	ug/L	<0.50	50	50	53.9	52.7	108	105	70-130	2	20		
Chloroethane	ug/L	<0.37	50	50	67.9	68.5	136	137	51-130	1	20	MO	
Chloroform	ug/L	<2.5	50	50	55.3	53.8	111	108	70-130	3	20		
Chloromethane	ug/L	<0.50	50	50	57.7	59.3	115	119	25-132	3	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	55.8	53.1	112	106	61-140	5	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	41.8	42.1	84	84	70-130	1	20		
Dibromochloromethane	ug/L	<0.50	50	50	52.6	50.3	105	101	70-130	5	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	57.6	56.6	115	113	23-130	2	20		
Ethylbenzene	ug/L	<0.50	50	50	56.3	56.1	113	112	70-138	0	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	54.5	53.4	109	107	70-152	2	20		
m&p-Xylene	ug/L	<1.0	100	100	110	106	110	106	70-140	4	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	61.0	60.4	122	121	66-139	1	20		
Methylene Chloride	ug/L	<0.23	50	50	57.5	56.8	115	114	70-130	1	20		
o-Xylene	ug/L	<0.50	50	50	55.2	54.6	110	109	70-134	1	20		
Styrene	ug/L	<0.50	50	50	56.9	54.5	114	109	70-138	4	20		
Tetrachloroethene	ug/L	<0.50	50	50	48.4	48.4	97	97	70-148	0	20		
Toluene	ug/L	<0.50	50	50	57.1	55.1	114	110	70-130	4	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	57.3	57.6	115	115	70-133	1	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	46.9	43.5	94	87	69-130	8	20		
Trichloroethene	ug/L	<0.33	50	50	50.8	51.2	102	102	70-131	1	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	64.1	63.5	128	127	50-150	1	20		
Vinyl chloride	ug/L	0.37J	50	50	68.1	68.1	136	135	49-133	0	20	MO	
4-Bromofluorobenzene (S)	%						101	98	70-130				
Dibromofluoromethane (S)	%						105	103	70-130				
Toluene-d8 (S)	%						110	107	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

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

- L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WEBSTER PIG FARM
Pace Project No.: 40139827

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40139827001	PUMP	EPA 8260	238103		
40139827002	BAITER	EPA 8260	238103		
40139827003	TRIP BLANK	EPA 8260	238103		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

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



Client Name: Meridian Env.

Project #: **WO# : 40139827**

Courier: Fed Ex UPS Client Pace Other: Dunham
Tracking #: 1221947



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: ROI ICorr: _____ 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: 10-11-16
Initials: SW

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. Original and a copy (10-11-16) SW
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed Lab Std #ID of preservative Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15. In shipment Lab added to COC (10-11-16) SW
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	<u>369</u> <u>10-11-16 SW</u>	

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: Client returned to HOME empty 10-11-16 SW

Project Manager Review: [Signature] Date: 10-11-16