Meridian Environmental Consulting, LLC

October 5, 2016

Ralph Smith
Wisconsin Department of Natural Resources
PO Box 7921
Madison, WI 53707-7921

Subject: **Progress Report and Change Order**
Adams Garage
10634 W. Omaha Street
Radisson, Wisconsin
PECFA No. 54867-0001-01
DNR BRRTS No. 03-58-000706
Meridian No. 05F745

Dear Ralph:

This letter documents work completed this year in response to the DNR's denial of Case Closure. The scope of work included:

- Install 5 monitoring wells (MW-14A, -14B, -15A, -15B, 16)
- Collect two rounds of ground water samples from the monitoring well network
- Collect two sets of air samples from the crawlspace at the residence known as 3721 Martin St
- Prepare this letter report

Based on the results of this work, we recommend this site be submitted for Closure with GIS Registry for Soil and Ground Water.

The remainder of this letter documents the results of the above scope of work.

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RESULTS OF ADDITIONAL WORK

Install 5 monitoring wells

Monitoring wells MW-14A, -14B, -15A, -15B, -16 were installed April 4, 2016 in the locations shown on Figure 1. The soil boring logs and monitoring well forms are provided in Appendix A.

Monitoring wells MW-14A and MW-15A were "nested " with piezometers MW-14B and MW-15B, respectively.

MW-16 was installed adjacent to the building located at 3721 Martin St to investigate vapor intrusion concerns.

All of the monitoring well elevations were re-surveyed July 11, 2016.

Soil Samples

Soil samples were collected from the vadose zone (grade to 5 ft depth) during drilling of MW-16. This data was requested by the DNR to investigate vapor intrusion concerns.

The analytical report is provided in Appendix B and summarized in Table 1. No petroleum parameters were measured.

Ground Water Sampling

The monitoring wells were sampled twice (April 14 and July 11, 2016). The analytical reports are provided in Appendix B and summarized in Table 2.

The depth to water was measured in the monitoring wells during each sampling event. The results are summarized in Table 3.

Natural attenuation parameters (i.e., dissolved oxygen, temperature, pH, conductivity, Oxidation Reduction Potential) were measured in the field during each sampling event. The field measurements are provided in Table 4.

Air Sampling

Air samples were collected from the crawlspace of the residence at 3721 Martin St. using Summa canisters (24 hour fill time) placed in the crawlspace. The analytical reports are provided in Appendix B and summarized in Table 5.

EVALUATION OF RESULTS

Ground Water Flow

The additional monitoring wells confirm earlier interpretations of ground water flow, i.e., ground water flow is to the southwest (Figure 2).

Extent of Impacted Ground Water

The new monitoring wells confirmed the findings of earlier work. The extent of impacted ground water is shown in Figure 3. The ground water quality continues to improve (Table 2) documenting a receding plume. The remedial action (excavation) successfully removed the impacted source soils and allowed natural attenuation to reduce the petroleum impacts in the ground water.

Vapor Intrusion

Vapor intrusion concerns at 3721 Martin St. were investigated by collecting soil and ground water samples from MW-16 installed adjacent to the building. No petroleum parameters were measured in the soil samples. Very low concentrations (near detection levels) were measured in the July ground water sample; no NR140 PALs were exceeded.

Low concentrations of volatile chemicals were measured in the crawlspace. The crawlspace has recently been lined with plastic and sealed with foam insulation and taped. It is likely the concentrations reflect these materials. This conclusion is supported by the lack of petroleum impacts in MW-16 (soil and ground water).

In our opinion, no further action is required with respect to vapor intrusion at this site.

CONCLUSIONS AND RECOMMENDATIONS

The work completed this year support the previous conclusion that this site should be Closed with GIS Registry for Soil and Ground Water.

A Change Order for completion of a Closure Packet (including GIS Registry for Soil and Ground Water) is included with this letter report.

Sincerely,
MERIDIAN ENVIRONMENTAL CONSULTING, LLC

Kenneth Shimko, PG
Project Manager

CHANGE ORDER

Usual and Customary Standardized Invoice #19
January 2016 - June 2016

RR-058A

PECFA #: 54867-0001-01
BRRT's #: 03-58-000706
Site Name: Adams Garage
Site Address: Radisson

Vendor Name: Change Order
Invoice #: Change Order
Invoice Date: October 2016
Check #: Change Order

U&C Total $ 4,034.56
Variance to U&C Total $ -
Grand Total $ 4,034.56

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT		MAX UNIT COST	UNITS		TOTAL MAX
5	Closure Request		CR05	Primary Closure Request	Submittal	$	2,700.00	1	$	2,700.00
5	Closure Request		CR15	GIS Packet Submittal (For Source Property only)	Packet	$	507.36	1	$	507.36
5	Closure Request		CR20	GIS Packet Submittal (For off-site Properties only)	Per Additional Property	$	222.71	2	$	445.42
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	$	381.78	1	$	381.78
Variance										
Variance										

TABLES

Table 1: Soil Analytical Results
Adam's Garage
Radisson, Wisconsin
Meridian No. 05F745

Geoprobe Samples

Sample	Date	1,2,4-TMB	1,3,5-TMB	TMBs	Benzene	Ethylbenzene	m&p-xylene	o-xylene	Total Xylenes	MTBE	Toluene	Naphthalene	Total Lead
Ground Water Samples													
Units		ug/l	ug/l		ug/l	ug/l	ug/l	ug/l		ug/l	ug/l	ug/l	
NR140 ES				480	5	700			2000	60	800	100	
GP-1	11/14/2007	*212*	*109*	*321*	**11.5**	*7.75*	51.8	15.5	67.3	<.3	2.31	*21.3*	NS
GP-2	11/14/2007	*1740*	*556*	**2296**	<31	*422*	1640	336	*1976*	<30	155	<80	NS
Soil samples													
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NTEDC		89.8	182		1.49	7.47			258	59.4	818	5.15	
Soil to GW RCL					0.005	1.57			3.94		1.107	0.659	
GP-1 3*	11/14/2007	0.142	0.144	0.286	0.036	<.019	0.509	0.133	0.642	<.012	0.201	<.019	117
GP-1 5	11/14/2007	12.2	6.09	18.29	0.327	0.644	6.27	1.59	7.86	<.114	0.292	**6.13**	8.34
GP-2 3	11/14/2007	**419**	202	621	**2.4**	**38.4**	359	63.3	**422.3**	0.65	70.9	**35.4**	8.01
GP-2 5	11/14/2007	**246**	85.2	331.2	1.01	**18.7**	162	67.4	229.4	0.468	27.8	**20.3**	18.2
GP-3 3	11/14/2007	65.6	29.5	95.1	0.654	2.55	32.7	20	52.7	0.492	8.08	3.47	13.9
GP-4 3	11/14/2007	0.113	0.082	0.195	0.139	0.148	0.481	0.144	0.625	<.011	0.891	<.018	1.15
GP-5 3	11/14/2007	0.08	0.052	0.132	0.133	0.069	0.298	0.1	0.398	0.052	0.622	<.018	2.26
GP-6 3	11/14/2007	**133**	56.2	189.2	1.8	**38.4**	191	85.8	276.8	0.759	48.8	**16.6**	10.1
GP-7 3	11/14/2007	**195**	68.7	263.7	**4.06**	**60.6**	265	79.6	**344.6**	0.762	64.4	**26.1**	8.49
GP-8 3	11/14/2007	**365**	135	500	**8.87**	**179**	630	219	**849**	10.4	172	**51.4**	13.7
GP-9 3	11/14/2007	0.08	0.059	0.139	0.074	0.064	0.234	0.098	0.332	<.013	0.384	0.172	10
GP-10 3	11/14/2007	0.058	0.051	0.109	0.033	<.018	0.079	0.054	0.133	<.011	0.075	0.044	34.6
GP-11 3	11/14/2007	**470**	**210**	680	<4	**173**	654	309	**963**	<2.75	162	**67.7**	20.8

*GP-1 3 refers to Geoprobe boring 1; sample from 3 feet depth

Excavation Confirmation Samples

Sample	Date	1,2,4-TMB	1,3,5-TMB	TMBs	Benzene	Ethylbenzene	m&p-xylene	o-xylene	Total Xylenes	MTBE	Toluene
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NTEDC		89.8	182		1.49	7.47			258	59.4	818
Soil to GW RCL					0.005	1.57			3.94		1.107
* samples collected from 4 feet depth											
N (north wall)	11/13/2008	**132**	52.3	184.3	<.875	**12.8**	74.8	44.5	119.3	<.601	19.7
N2 (north wall - 2nd Excavation)	11/18/2008	<.015	<.02	<.02	<.018	<.02	<.024	<.018	<.024	<.012	<.019
S (south wall)	11/13/2008	**322**	107	429	**7.3**	**63.1**	345	176	**521**	<.601	81.4
E (east wall)	11/13/2008	<.013	<.018	<.018	<.016	<.018	<.021	<.016	<.021	<.011	<.017
W (west wall)	11/13/2008	<.014	<.019	<.019	<.017	<.019	<.022	<.017	<.022	<.012	<.018

April 5, 2016 Soil Samples from MW-16

Sample	Date	1,2,4-TMB	1,3,5-TMB	TMBs	Benzene	Ethylbenzene	m&p-xylene	o-xylene	Total Xylenes	MTBE	Toluene
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NTEDC		89.8	182		1.49	7.47			258	59.4	818
Soil to GW RCL					0.005	1.57			3.94		1.107
(depth to water = 5 ft)											
16: 1-2	4/5/2016	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025
16: 3-4	4/5/2016	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025
16: 5-6	4/5/2016	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025

Table 2: Ground Water Samples

Adam's Garage
Radisson, Wisconsin
Meridian No. 05F745

Well	Date	1,2,4 TMB	1,3,5 TMB	Total TMBs	Benzene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	Toluene
NR140 ES				480	5	700	2000	60	100	800
NR140 PAL				*96*	*0.5*	*140*	*400*	*12*	*10*	*160*
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
TMW-1										
	1/15/2008	512	198	710	86	*424*	*1399*	*24.1*	104	80.7
	4/15/2008	96.7	33.6	*130.3*	23.1	90.6	254.9	3.92	*17.5*	14.1
	6/10/2008	856	283	1139	113	903	*3161*	<15	136	*748*
	11/25/2008	828	247	1075	91.3	*471*	*1168*	*35.7*	*68.5*	117
	2/25/2009	410	140	550	28.8	*218*	*759*	*15*	*40.5*	*74.6*
	5/28/2009	213	71.7	*284.7*	34.1	*249*	*678*	8.73	*26.2*	*293*
	8/26/2009	2.39	0.878	3.268	<.31	2.79	<.77	<.3	<.8	<.37
	5/28/2010	65.3	18.4	83.7	6.01	32.5	70.9	<.5	7.97	4.17
	8/11/2010	3.78	0.706	4.486	*0.772*	1.88	5.447	<.3	2.15	<.37
	11/15/2010	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<2	<.37
TMW-2										
	1/15/2008	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.8	<.3
	4/15/2008	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.8	<.3
	6/10/2008	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.8	<.3
	11/25/2008	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.8	<.3
	2/25/2009	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.8	<.3
	5/28/2009	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	8/26/2009	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	5/28/2010	<.2	<.2	<.2	<.2	<.2	<.4	<.5	<1	<.4
	8/11/2010	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	11/15/2010	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<2	<.37
TMW-3										
	1/15/2008	5780	1400	7180	<31	876	4262	135	450	46.2
	4/15/2008	3720	1330	5050	<15.5	713	3184	<15	158	*300*
	6/10/2008	3840	1580	5420	<31	*478*	2463	<30	190	*219*
	Abandoned 11/13/08									
TMW-4										
	1/15/2008	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.8	<.3
	4/15/2008	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.8	<.3
	6/10/2008	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.8	<.3
	11/25/2008	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.8	<.3
	2/25/2009	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.8	<.3
	5/28/2009	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	8/26/2009	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	5/28/2010	inaccessible								
	8/11/2010	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	11/15/2010	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<2	<.37
TMW-5										
	1/15/2008	1430	790	2220	143	714	*1979*	<6.	181	*272*
	4/15/2008	873	286	1159	<6.2	*299*	*1172*	135	*39.8*	*178*
	6/10/2008	978	377	1355	110	*381*	*1376*	<15	126	51.5
	Abandoned 11/13/08									
TMW-5R	Installed 11/18/08									
	11/25/2008	3110	833	3943	139	1160	10790	*41.4*	416	3100
	2/25/2009	731	284	1015	36.8	*335*	2038	<15	*81.7*	*651*
	5/28/2009	767	657	1424	23.1	*893*	2859	*18.3*	189	*697*
	8/26/2009	65.7	26.7	92.4	22.4	*239*	167.7	6.8	105	32.1
	5/28/2010	55.1	96.5	*151.6*	*2.08*	*285*	218.1	<5	*97*	35.1
	8/11/2010	2.2	<.44	2.2	*4.74*	10.8	9.06	7.91	*13.2*	3.55
	11/15/2010	16.4	3.11	19.51	*2.74*	9.32	40.8	*20.4*	3.62	12.7
	5/17/2011	59.1	3.96	63.06	*4.79*	20.1	33.41	*37.5*	*10.3*	4.68
	8/24/2011	5.2	<.44	5.2	*3.68*	7.82	7.25	10.5	5.33	5.45
	5/23/2012	80.2	10.7	90.9	<.39	40.5	136	3.5	*12.3*	19.1
	8/14/2012	2.3	<.4	2.3	<.39	8.9	4.8	1.6	3	2.3
	11/6/2012	104	14.2	*118.2*	*1.9*	82.3	*400*	3.7	*16.9*	81.9
	5/21/2014	6.5	0.92	7.42	<.4	4.6	3.2	2.6	1.4	<.39
	8/20/2014	<.42	<.42	<.42	<.4	1.1	<1.2	0.77	0.63	<.39
	11/7/2014	2.7	<.42	2.7	<.4	2.8	4.3	1.1	1	<.39
	4/14/2016	6	0.57	6.57	<.4	4.9	8.5	3.8	1.8	0.51
	7/11/2016	1.3	<.42	1.3	<.4	1.5	2.5	1.1	1.1	<.39
TMW-6	Installed 6/08									
	6/10/2008	972	291	1263	355	1820	7240	<15	199	4740
	11/25/2008	2170	535	2705	487	2850	11630	73.5	423	11200
	2/25/2009	2060	543	2603	566	3100	12890	92.8	336	13900
	5/28/2009	2070	556	2626	525	3300	13430	116	396	13900
	8/26/2009	2130	564	2694	419	3230	13140	<60.	386	12100
	5/28/2010	1640	524	2164	383	3090	13150	<100	438	13000
	8/11/2010	1740	461	2201	415	2870	10870	<60	528	11300
	11/15/2010	156	62.9	218.9	88.3	*343*	*1409*	<6	*50*	1240
	5/17/2011	2990	802	3792	717	4150	16830	128	564	16800
	8/24/2011	1930	542	2472	473	3240	13460	<75	540	13200
	5/23/2012	1790	477	2267	236	3070	12500	<19	316	12700
	8/14/2012	1690	427	2117	211	2820	11700	<15.2	320	12400
	11/6/2012	1460	392	1852	194	2440	10700	<19	289	11000
	5/21/2014	439	120	559	88.7	834	3670	<24.2	*94.3*	4300
	8/20/2014	1640	441	2081	164	2690	11200	<48.5	319	11100
	11/7/2014	1860	500	2360	167	2920	11200	<24.2	341	11800
	WELL DAMAGED BY ROUTINE ROAD WORK (GRADING, SNOW PLOWS, TRAFFIC)									

Well	Date	1,2,4 TMB	1,3,5 TMB	Total TMBs	Benzene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	Toluene
NR140 ES				480	5	700	2000	60	100	800
NR140 PAL				96	0.5	140	400	12	10	160
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
TMW-7	Installed 6/08									
	6/10/2008	<.4	<.31	<.4	<.31	<.5	0.641	<.3	<.8	<.3
	11/25/2008	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.8	<.3
	2/25/2009	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.8	<.3
	5/28/2009	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	8/26/2009	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	5/28/2010	<.4	<.4	<.4	<.31	<.5	<.77	<.3	<.8	<.37
	8/11/2010	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	11/15/2010	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<2	<.37
TMW-8	installed 11/18/08									
	11/25/2008	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.8	<.3
	2/25/2009	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.8	<.3
	5/28/2009	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	8/26/2009	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	5/28/2010	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	8/11/2010	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	11/15/2010	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<2	<.37
TMW-9	installed 11/18/08									
	11/25/2008	<.4	<.31	<.4	<.31	<.5	1.24	<.3	<.8	0.821
	2/25/2009	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.8	<.3
	5/28/2009	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	8/26/2009	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	5/28/2010	<.2	<.2	<.2	<.2	<.2	<.4	<.5	<1	<.4
	8/11/2010	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	11/15/2010	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<2	<.37
	11/6/2012	<.43	<.4	<.43	<.39	<.41	<1.3	<.38	<.4	<.42
MW-3R	installed 5/16/11									
	5/17/2011	40.2	15.4	55.6	7.61	48.8	51.1	<3	32.4	53.9
	8/24/2011	10.2	2.69	12.89	<.31	<.5	4.83	0.524	3.75	<.37
	5/23/2012	25.5	0.89	26.39	<.39	2.2	4.1	<.38	1.3	<.42
	8/14/2012	10.9	1.4	12.3	<.39	3.1	6.1	<.38	1.2	<.42
	11/6/2012	35.7	4.3	40	<.39	4.9	2.6	0.65	2.1	<.42
	5/21/2014	3	0.71	3.71	<.4	1.5	2.6	<.48	0.77	<.39
	8/20/2014	4.6	<.42	4.6	<.4	1.3	2.3	<.48	0.47	<.39
	11/7/2014	2.2	<.42	2.2	<.4	1	1.5	<.48	<.42	<.39
	4/14/2016	2.6	0.44	3.04	<.4	0.8	<1.2	<.48	<.42	<.39
	7/11/2016	3.6	<.42	3.6	<.4	<.39	2	<.48	1.1	<.39
MW-10	installed 5/25/10									
	5/28/2010	<.2	<.2	<.2	<.2	<.2	<.4	<.5	<1	<.4
	8/11/2010	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37
	11/15/2010	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<2	<.37
	5/17/2011	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<2	<.37
	8/24/2011	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<2	<.37
	5/23/2012	<.43	<.4	<.43	<.39	<.41	<1.3	<.38	<.4	<.42
	8/14/2012	<.43	<.4	<.43	<.39	<.41	<1.3	<.38	<.4	<.42
	11/6/2012	<.43	<.4	<.43	<.39	<.41	<1.3	<.38	<.4	1.4
	5/21/2014	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	8/20/2014	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	11/7/2014	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	4/14/2016	7.2	2.2	9.4	2	22.6	20.3	<.48	3.3	2.2
	7/11/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
MW-11	installed 5/16/11									
	5/17/2011	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<2	<.37
	8/24/2011	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<2	<.37
	5/23/2012	<.43	<.4	<.43	<.39	<.41	<1.3	<.38	<.4	<.42
	8/14/2012	<.43	<.4	<.43	<.39	<.41	<1.3	<.38	<.4	<.42
	11/6/2012	<.43	<.4	<.43	<.39	<.41	<1.3	<.38	<.4	<.42
	5/21/2014	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	8/20/2014	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	11/7/2014	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	4/14/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	7/11/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
MW-12	installed 3/27/14									
	5/21/2014	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	8/20/2014	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	11/7/2014	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	4/14/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	7/11/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
MW-13A	installed 3/27/14									
	5/21/2014	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	8/20/2014	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	11/7/2014	<.42	<.42	<.42	9.7	<.39	<1.2	<.48	<.42	<.39
	4/14/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	7/11/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
MW-13B	installed 3/27/14									
	5/21/2014	0.97	<.42	0.97	11.4	13.9	4.4	0.86	0.81	1.7
	8/20/2014	8.8	<.42	8.8	9.6	35.1	20.4	0.54	1.3	5.3
	11/7/2014	7.2	<.42	7.2	7.2	4.6	1.8	<.48	0.97	1.2
	4/14/2016	<.42	<.42	<.42	1.2	<.39	<1.2	<.48	<.42	<.39
	7/11/2016	<.42	<.42	<.42	1.6	1.1	<1.2	<.48	<.42	<.39

Well	Date	1,2,4 TMB	1,3,5 TMB	Total TMBs	Benzene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	Toluene
NR140 ES				480	5	700	2000	60	100	800
NR140 PAL				96	0.5	140	400	12	10	160
Units		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MW-14A	installed 4/4/16									
	4/14/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	7/11/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
MW-14B	installed 4/4/16									
	4/14/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	7/11/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
MW-15A	installed 4/4/16									
	4/14/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	7/11/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
MW-15B	installed 4/4/16									
	4/14/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	7/11/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
MW-16	installed 4/4/16									
	4/14/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	7/11/2016	0.47	<.42	<.42	<.4	<.39	<1.2	<.48	0.91	<.39
PZ-1	installed 5/25/10									
	5/28/2010	<.2	<.2	<.2	<.2	<.2	<.4	<.5	<1	<.4
	8/11/2010	43.1	68.6	*111.7*	51.8	*469*	212.44	*20*	*65.6*	16.9
	11/15/2010	33.3	19	52.3	31.9	*204*	59	*15.5*	*27*	19.2
	5/17/2011	526	123	649	78.6	*689*	*778*	*32.1*	*98.5*	*164*
	8/24/2011	539	195	734	104	1080	*1008*	*31.4*	130	158
	5/23/2012	0.66	<.4	0.66	*0.65*	3	1.9	<.38	<.4	1.2
	8/14/2012	0.95	1	1.95	*2.1*	21.6	1.5	<.38	2	1.1
	11/6/2012	<.43	<.4	<.43	<.39	<.41	<1.3	<.38	<.4	<.42
	5/21/2014	235	52	*287*	23.6	*491*	*519*	3.2	*64.7*	66.2
	8/20/2014	169	41.6	*210.6*	42.3	*576*	*401*	2.5	*55.8*	40.9
	11/7/2014	73.2	12.3	85.5	29.8	*392*	204	1.5	*36.8*	25.6
	4/14/2016	51.1	2.7	<.42	*3.9*	*156*	45	1.5	9.7	13.2
	7/11/2016	8.3	<.42	8.3	*2.4*	43.3	8.4	0.52	0.78	2
PZ-2	installed 5/16/11									
	5/17/2011	<.4	<.44	<.44	<.31	<.5	<.77	<.3	2.22	<.37
	8/24/2011	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<2	<.37
	5/23/2012	<.43	<.4	<.43	<.39	<.41	<1.3	<.38	<.4	<.42
	8/14/2012	<.43	<.4	<.43	<.39	<.41	<1.3	<.38	<.4	<.42
	11/6/2012	<.43	<.4	<.43	<.39	<.41	<1.3	<.38	<.4	<.42
	5/21/2014	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	8/20/2014	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	11/7/2014	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	4/14/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
	7/11/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
Ditch - East *										
	5/23/2012	<.43	<.4	<.43	<.39	<.41	<1.3	<.38	<.4	<.42
	8/14/2012	32.3	5.9	38.2	6.9	45.1	139	<.38	6.6	12.7
	11/6/2012	117	16.5	*133.5*	16.1	174	315	0.9	*15.7*	7.6
	5/21/2014	8.8	1.9	10.7	*2.1*	6.9	28.7	<.48	2.3	7.6
	8/20/2014	1.4	<.42	1.4	*0.68*	3.6	12.5	<.48	0.48	10.5
	11/7/2014	4	1.7	5.7	*2.1*	5.5	20.6	<.48	1.2	8
	4/14/2016	2.5	0.64	3.14	*0.84*	3.7	14.4	<.48	1.5	5.3
	7/11/2016	0.67	<.42	0.67	<.4	0.65	2.6	<.48	<.42	0.52
Ditch - West *										
	5/23/2012	11.1	<2	11.1	*3.4*	24.7	59.1	<1.9	3.1	14.2
	8/14/2012	<.43	<.4	<.43	<.39	<.41	<1.3	<.38	<.4	0.56
	11/6/2012	<.43	<.4	<.43	<.39	<.41	<1.3	<.38	<.4	<.42
	5/21/2014	5.9	1.3	7.2	*1.3*	4.6	19.5	<.48	1.7	5.2
	8/20/2014	<.42	<.42	<.42	<.4	0.78	1.9	<.48	<.42	1.1
	11/7/2014	2.2	1	3.2	*1*	4.3	14.1	<.48	0.72	4.8
	4/14/2016	1.8	0.73	2.53	<.4	2.1	9.6	<.48	0.71	2.2
	7/11/2016	<.42	<.42	<.42	<.4	<.39	<1.2	<.48	<.42	<.39
basement well/sump (10640 W Omaha - Furtyo)										
	5/28/2010	<.4	<.44	<.44	<.31	<.5	<.77	<.3	<.8	<.37

100 Concentration exceeds NR140 Enforcement Standard

Note: Remedial Excavation Completed November 2008

Table 3: Ground Water Level Measurements

Adam's Garage
Radisson, Wisconsin
Meridian No. 05F745

TMW-5R		
Surface Elevation (ft)		1244.5
Top of Casing elevation (ft)		1244.14
Top of Screen Elevation (ft)		1239.23
Bottom of Screen Elevation (ft)		1229.23
Meas. Date	DTW (ft)	GW Elev (ft)
installed 11/18/08		
11/25/2008	5.2	1238.94
2/25/2009	5.9	1238.24
5/28/2009	4.59	1239.55
8/26/2009	4.97	1239.17
5/28/2010	4.65	1239.49
8/11/2010	3.45	1240.69
11/15/2010	3.52	1240.62
5/17/2011	3.55	1240.59
8/24/2011	3.33	1240.81
5/23/2012	3.95	1240.19
8/14/2012	4.45	1239.69
11/6/2012	5.16	1238.98
5/21/2014	NM	
8/20/2014	4.56	1239.58
11/7/2014	4.35	1239.79
4/14/2016	3.42	1240.72
7/11/2016	3.9	1240.24

MW-3R		
Surface Elevation (ft)		1244.25
Top of Casing elevation (ft)		1244.05
Top of Screen Elevation (ft)		1241.25
Bottom of Screen Elevation (ft)		1231.25
Meas. Date	DTW (ft)	GW Elev (ft)
installed 5/16/11		
5/17/2011	3.44	1240.61
8/24/2011	3.15	1240.9
5/23/2012	3.85	1240.2
8/14/2012	4.45	1239.6
11/6/2012	5.3	1238.75
5/21/2014	2.6	1241.45
8/20/2014	4.55	1239.5
11/7/2014	4.31	1239.74
4/14/2016	3.3	1240.75
7/11/2016	3.8	1240.25

MW-10		
Surface Elevation (ft)		1243
Top of Casing elevation (ft)		1242.61
Top of Screen Elevation (ft)		1238.61
Bottom of Screen Elevation (ft)		1228.61
Meas. Date	DTW (ft)	GW Elev (ft)
installed 5/25/2010		
5/26/2010	4.97	1237.64
8/11/2010	3.92	1238.69
11/15/2010	4.05	1238.56
5/17/2011	4.15	1238.46
8/24/2011	3.85	1238.76
5/23/2012	4.56	1238.05
8/14/2012	4.97	1237.64
11/6/2012	5.55	1237.06
5/21/2014	3.51	1239.1
8/20/2014	4.76	1237.85
11/7/2014	4.66	1237.95
4/14/2016	3.99	1238.62
7/11/2016	4.34	1238.27

MW-11		
Surface Elevation (ft)		1242.5
Top of Casing elevation (ft)		1242.32
Top of Screen Elevation (ft)		1238.5
Bottom of Screen Elevation (ft)		1228.5
Meas. Date	DTW (ft)	GW Elev (ft)
installed 5/16/11		
5/17/2011	3.91	1238.41
8/24/2011	3.6	1238.72
5/23/2012	4.61	1237.71
8/14/2012	4.85	1237.47
11/6/2012	5.47	1236.85
5/21/2014	3.08	1239.24
8/20/2014	4.91	1237.41
11/7/2014	4.58	1237.74
4/14/2016	3.92	1238.4
7/11/2016	4.3	1238.02

PZ-1		
Surface Elevation (ft)		1243
Top of Casing elevation (ft)		1242.46
Top of Screen Elevation (ft)		1227.49
Bottom of Screen Elevation (ft)		1222.49
Meas. Date	DTW (ft)	GW Elev (ft)
installed 5/25/2010		
5/28/2010	5.22	1237.24
8/11/2010	3.86	1238.6
11/15/2010	3.96	1238.5
5/17/2011	4.15	1238.31
8/24/2011	4.15	1238.31
5/23/2012	4.67	1237.79
8/14/2012	4.95	1237.51
11/6/2012	5.52	1236.94
5/21/2014	4.01	1238.45
8/20/2014	5.08	1237.38
11/7/2014	4.76	1237.7
4/14/2016	4.16	1238.3
7/11/2016	4.52	1237.94

PZ-2		
Surface Elevation (ft)		1242.5
Top of Casing elevation (ft)		1242.28
Top of Screen Elevation (ft)		1222.5
Bottom of Screen Elevation (ft)		1217.5
Meas. Date	DTW (ft)	GW Elev (ft)
installed 5/16/11		
5/17/2011	4.05	1238.23
8/24/2011	3.68	1238.6
5/23/2012	4.52	1237.76
8/14/2012	4.92	1237.36
11/6/2012	5.48	1236.8
5/21/2014	3.23	1239.05
8/20/2014	4.97	1237.31
11/7/2014	4.64	1237.64
4/14/2016	4.03	1238.25
7/11/2016	4.38	1237.9

MW-12		
Surface Elevation (ft)		1243.75
Top of Casing elevation (ft)		1243.6
Top of Screen Elevation (ft)		1241
Bottom of Screen Elevation (ft)		1231
Meas. Date	DTW (ft)	GW Elev (ft)
installed 3/27/14		
5/21/2014	4.13	1239.47
8/20/2014	5.39	1238.21
11/7/2014	5.22	1238.38
4/14/2016	4.28	1239.32
7/11/2016	4.72	1238.88

MW-13A		
Surface Elevation (ft)		1243.25
Top of Casing elevation (ft)		1243.05
Top of Screen Elevation (ft)		1238.5
Bottom of Screen Elevation (ft)		1228.5
Meas. Date	DTW (ft)	GW Elev (ft)
installed 3/27/14		
5/21/2014	4.21	1238.84
8/20/2014	5.77	1237.28
11/7/2014	5.49	1237.56
4/14/2016	4.79	1238.26
7/11/2016	5.19	1237.66

MW-13B		
Surface Elevation (ft)		1243.25
Top of Casing elevation (ft)		1242.99
Top of Screen Elevation (ft)		1221.5
Bottom of Screen Elevation (ft)		1216.5
Meas. Date	DTW (ft)	GW Elev (ft)
installed 3/27/14		
5/21/2014	4.18	1238.81
8/20/2014	5.89	1237.1
11/7/2014	5.54	1237.45
4/14/2016	4.84	1238.15
7/11/2016	5.21	1237.78

MW-14A		
Surface Elevation (ft)		1242.25
Top of Casing elevation (ft)		1242.01
Top of Screen Elevation (ft)		1237
Bottom of Screen Elevation (ft)		1227
Meas. Date	DTW (ft)	GW Elev (ft)
installed 4/4/16		
4/14/2016	4.2	1237.81
7/11/2016	4.63	1237.38

MW-14B		
Surface Elevation (ft)		1243
Top of Casing elevation (ft)		1241.86
Top of Screen Elevation (ft)		1227
Bottom of Screen Elevation (ft)		1222
Meas. Date	DTW (ft)	GW Elev (ft)
installed 4/4/16		
4/14/2016	4.41	1237.45
7/11/2016	4.81	1237.05

MW-15A		
Surface Elevation (ft)		1242.5
Top of Casing elevation (ft)		1242.32
Top of Screen Elevation (ft)		1237.5
Bottom of Screen Elevation (ft)		1227.5
Meas. Date	DTW (ft)	GW Elev (ft)
installed 4/4/16		
4/14/2016	4.38	1237.94
7/11/2016	4.76	1237.56

MW-15B		
Surface Elevation (ft)		1242.5
Top of Casing elevation (ft)		1242.22
Top of Screen Elevation (ft)		1227.5
Bottom of Screen Elevation (ft)		1222.5
Meas. Date	DTW (ft)	GW Elev (ft)
installed 4/4/16		
4/14/2016	4.4	1237.82
7/11/2016	4.77	1237.45

MW-16		
Surface Elevation (ft)		1243.5
Top of Casing elevation (ft)		1243.3
Top of Screen Elevation (ft)		1238.5
Bottom of Screen Elevation (ft)		1228.5
Meas. Date	DTW (ft)	GW Elev (ft)
installed 4/4/16		
4/14/2016	5.1	1238.2
7/11/2016	5.45	1237.85

Table 4: Natural Attenuation Field Measurements

Adam's Garage
Radisson, Wisconsin
Meridian No. 05F745

Well	DO	pH	Temp	Conductivity	ORP
MW-3R					
4/14/2016	5	7.76	9.5	425	11
7/11/2016	4	8.18	17.2	629	55
TMW-5R					
4/14/2016	1	INSUFFICIENT WATER - 1 INCH WELL			
7/11/2016	2	INSUFFICIENT WATER - 1 INCH WELL			
MW-10					
4/14/2016	4	7.53	10.9	1392	-19
7/11/2016	2	8.26	18.7	314	53
MW-11					
4/14/2016	4	7.63	9.4	954	22
7/11/2016	4	7.64	15.9	873	35
MW-12					
4/14/2016	4	7.79	12.7	1042	25
7/11/2016	2	7.66	18.5	440	-32
MW-13A					
4/14/2016	2	7.8	7.7	363	3
7/11/2016	1	7.22	17.3	425	-4
MW-13B					
4/14/2016	6	8.07	9.7	798	90
7/11/2016	2	7.33	13.8	857	11
MW-14A					
4/14/2016	5	8.25	7.7	140	-7
7/11/2016	4	7.75	18.2	113.8	0
MW-14B					
4/14/2016	1	7.54	10.4	909	23
7/11/2016	1	7.12	14.9	801	37
MW-15A					
4/14/2016	4	7.94	8	345	-13
7/11/2016	1	7.35	15.4	497	-10
MW-15B					
4/14/2016	1	7.75	8.8	547	0
7/11/2016	4	7.17	16.4	416	4
MW-16					
4/14/2016	3	8.59	7.7	268	104
7/11/2016	1	7.18	17.7	274	-39
PZ-1					
4/14/2016	1	756	11.8	751	35
7/11/2016	3	7.31	15.4	652	-47
PZ-2					
4/14/2016	0	7.78	10.2	976	16
7/11/2016	4	7.4	14.4	854	-50

Table 5: Air Samples From Crawlspace (3721 Martin St)

Adam's Garage
Radisson, Wisconsin
Meridian No. 05F745

Sample	Date	Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-TMB	1,3,5-TMB	m&p-Xylene	o-Xylene
Units		ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Crawlspace - East									
	5/2/2016	1.8	2.4	<.58	9.2	2.4	1.4	6.1	1.6
	8/3/2016	5.8	<2.9	<2	19.2	8	3.1	9.7	3.5
Crawlspace - West									
	5/2/2016	1.6	2.3	<.61	10.6	6	2.8	6.9	2.1
	8/3/2016	7.2	2.3	<.47	19.4	2	0.6	7.1	1.7

FIGURES

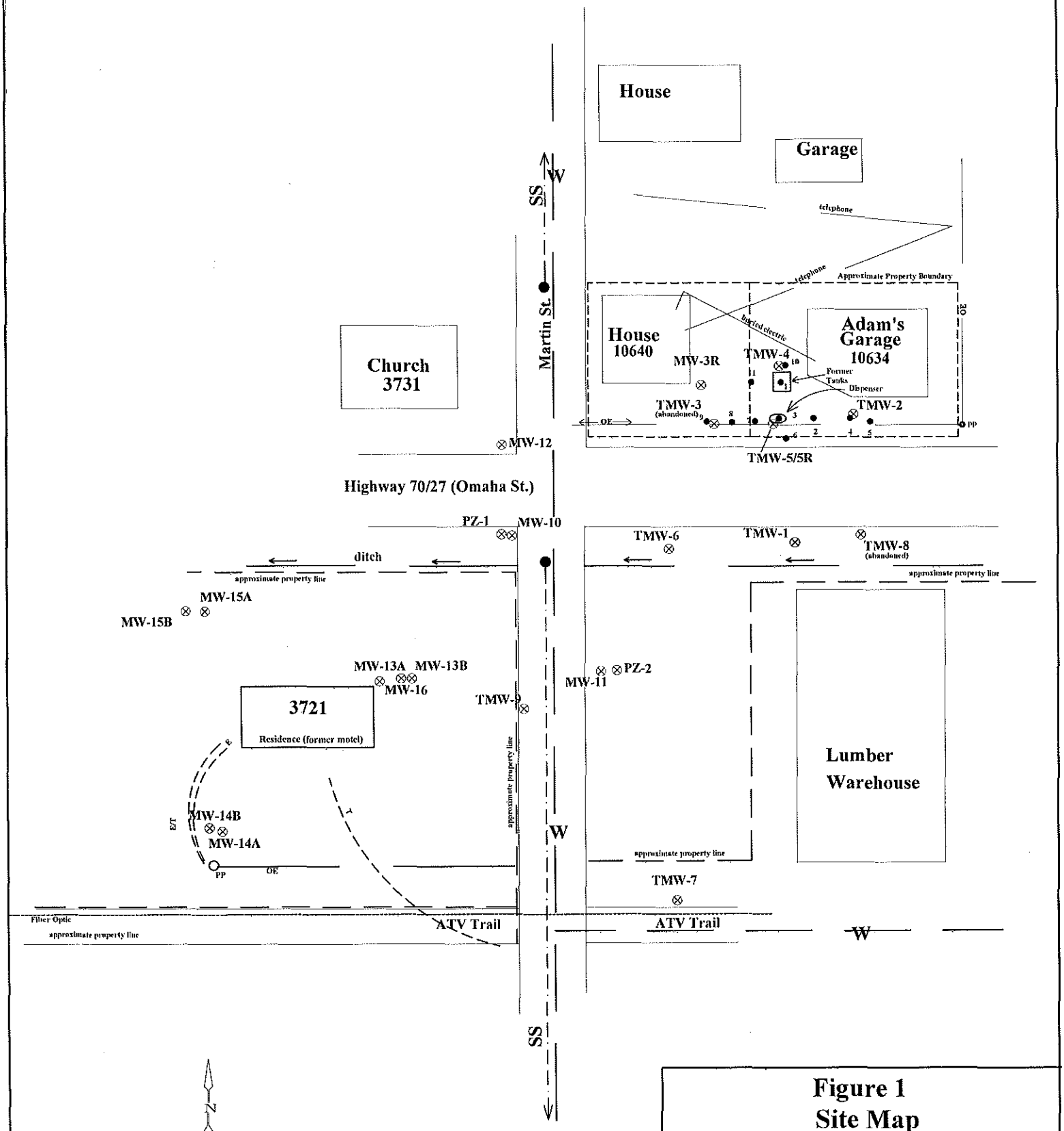


Figure 1
Site Map
Adams Garage
Radisson, WI

PROJECT NO.	PREPARED BY
05F745	KAS
DATE	REVIEWED BY
10/5/16	KAS

Meridian Environmental Consulting, LLC

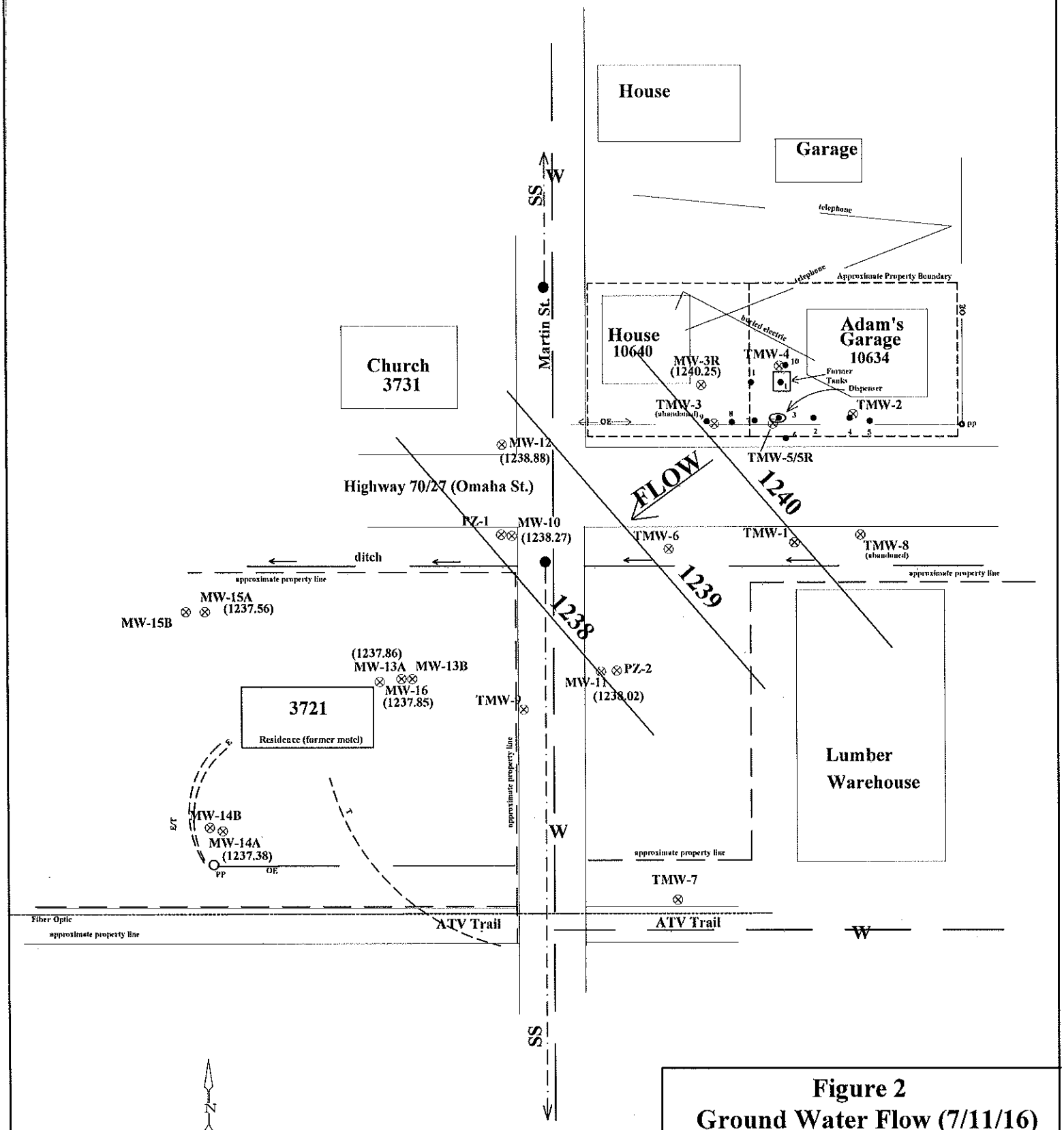


Figure 2
Ground Water Flow (7/11/16)
Adams Garage
Radisson, WI

PROJECT NO.	PREPARED BY
05F745	KAS
DATE	REVIEWED BY
10/5/16	KAS

Meridian Environmental Consulting, LLC

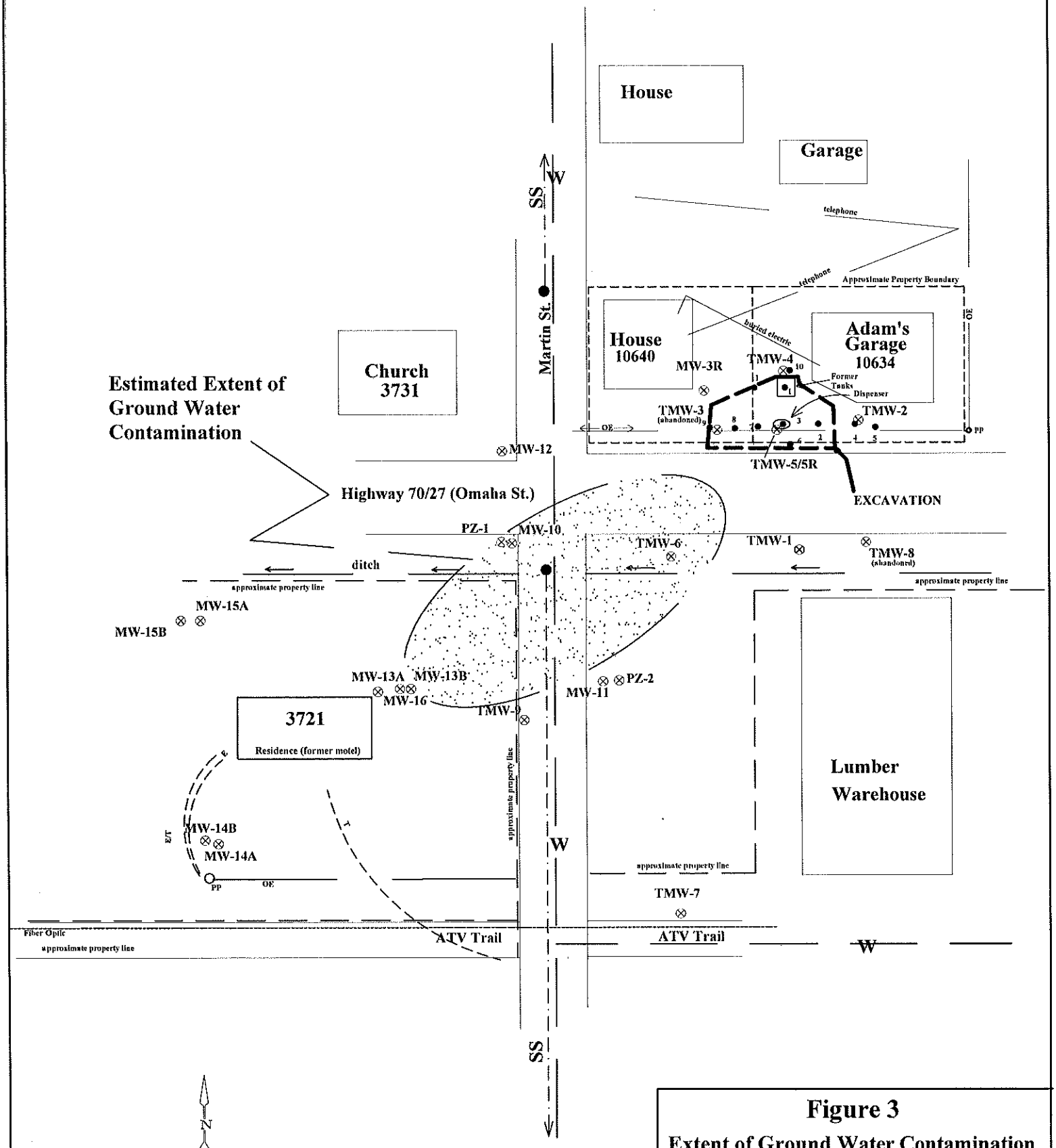


Figure 3

Extent of Ground Water Contamination
Adams Garage
Radisson, WI

PROJECT NO.	PREPARED BY
05F745	KAS
DATE	REVIEWED BY
10/5/16	KAS

Meridian Environmental Consulting, LLC

APPENDIX A

Soil Boring Logs & Monitoring Well Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: Adam's Garage (Former)	License/Permit/Monitoring Number:	Boring Number: MW-14A	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Joe Last Name: Black Firm: PSS	Date Drilling Started: 4/4/2016	Date Drilling Completed: 4/5/2016	Drilling Method: HSA
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL
Surface Elevation: _____ Feet MSL	Borehole Diameter: _____ inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____ N, _____ E	Lat ° ' " Long ° ' "	Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W	
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____			
Facility ID	County: Sawyer	County Code	Civil Town/City/ or Village: Radisson

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				gravel						M				
				sand										
			5	well-sorted coarse sand. wet				5		wet				
			10	F. sand w/ coarse + gravel. wet										
				cobbles + rocks										
			15					15						
			20	refusal										
				EOB = 22 ft.										

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

Signature: _____ Firm: Meridian Environmental Grp. LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Adams Garage (Former)	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: MW-14A
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 4/4/2016 (m m d d y y y y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N, R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Joe Black / PSI
Distance from Waste/Source: _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation 0 ft. MSL

B. Well casing, top elevation 0 ft. MSL

C. Land surface elevation 0 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☐ No
Describe _____

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

E. Bentonite seal, top _____ ft. MSL or 3 ft.

F. Fine sand, top _____ ft. MSL or 3 ft.

G. Filter pack, top _____ ft. MSL or 4 ft.

H. Screen joint, top _____ ft. MSL or 5 ft.

I. Well bottom _____ ft. MSL or 15 ft.

J. Filter pack, bottom _____ ft. MSL or 15 ft.

K. Borehole, bottom _____ ft. MSL or 22 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2 in.

N. I.D. well casing 2 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 4 ft.
c. Material: Steel ☒ 04
Other ☐ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30
Concrete ☒ 01
Other ☐ _____

4. Material between well casing and protective pipe:
Bentonite ☒ 30
Other ☐ _____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____

7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐ _____

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐ _____
b. Manufacturer _____
c. Slot size: 0.1 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): Native soil
None ☒ 14
Other ☐ _____

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

Signature: _____ Firm: Meridian Environmental Consulting, LLC

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Adam's Garage (Former)	Sawyer	MW-14A
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
	__	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☒	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well ~30 min.

4. Depth of well (from top of well casisng) 15. ft.

5. Inside diameter of well 2. in.

6. Volume of water in filter pack and well casing ~2 gal.

7. Volume of water removed from well 10. gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 3.97 ft.	5.2 ft.
Date	b. 4/9/2016 (m m d d y y y y)	4/9/2016 (m m d d y y y y)
Time	c. __:__ ☐ a.m. ☐ p.m.	__:__ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	0. inches	0 inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Ken Last Name: Shimko
Firm: Meridian Env. Cltg, LLC

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Ken Last Name: Shimko
Facility/Firm: Meridian Env Cltg LLC
Street: _____
City/State/Zip: Fall Creek WI 54742

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Ken Shimko
Firm: Meridian Env Cltg LLC

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: Adam's Garage (Former)	License/Permit/Monitoring Number:	Boring Number: MW-14B	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Joe Last Name: Black Firm: PSI	Date Drilling Started: 4/4/2016	Date Drilling Completed: 4/5/2016	Drilling Method: HSA
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL
Surface Elevation: _____ Feet MSL	Borehole Diameter: _____ inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E; _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____	Lat ° ' " Long ° ' "	Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W	
Facility ID	County: Sawyer	County Code	Civil Town/City/ or Village: Radisson

Sample: Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	earth drill			2" PVC							
			5											
			10	Cobbles										
			15											
			20	cobbles										
				refusal EOB = 21 ft.										

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

Signature: _____ Firm: Meridian Environmental Grp. LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

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

Facility/Project Name: Adams Garage (Former)	Local Grid Location of Well: ____ ft. ☐N ☐S, ____ ft. ☐E ☐W	Well Name: MW-14B
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 4/4/2016 (m m d d y y y y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N, R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Joe Black / PSI
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation ____0____ ft. MSL
B. Well casing, top elevation ____0____ ft. MSL
C. Land surface elevation ____0____ ft. MSL
D. Surface seal, bottom ____ ft. MSL or __1__ ft.

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

13. Sieve analysis performed? ☐ Yes ☐ No

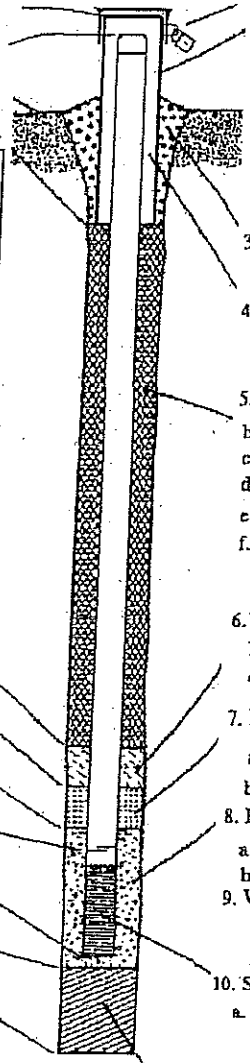
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☑ 41 Other ☐ ____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☑ 99

16. Drilling additives used? ☐ Yes ☐ No
Describe ____

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

E. Bentonite seal, top ____ ft. MSL or __13__ ft.
F. Fine sand, top ____ ft. MSL or __13__ ft.
G. Filter pack, top ____ ft. MSL or __14__ ft.
H. Screen joint, top ____ ft. MSL or __16__ ft.
I. Well bottom ____ ft. MSL or __21__ ft.
J. Filter pack, bottom ____ ft. MSL or __21__ ft.
K. Borehole, bottom ____ ft. MSL or __21__ ft.
L. Borehole, diameter __8__ in.
M. O.D. well casing __2__ in.
N. I.D. well casing __2__ in.



1. Cap and lock? ☑ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: __8__ in.
b. Length: __1__ ft.
c. Material: Steel ☑ 04 Other ☐ ____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 30 Concrete ☑ 01 Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☑ 30 Other ☐ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☑ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☑ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☐ 32
c. ____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft³
9. Well casing: Flush threaded PVC schedule 40 ☑ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ ____
10. Screen material: PVC
a. Screen type: Factory cut ☑ 11 Continuous slot ☐ 01 Other ☐ ____
b. Manufacturer ____
c. Slot size: 0.__1__ in.
d. Slotted length: __5__ ft.
11. Backfill material (below filter pack): None ☑ 14 Other ☐ ____

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

Signature: ____ Firm: Meridian Environmental Consulting, LLC

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Adam's Garage (Former)	Sawyer	MW-14B
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☒ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well ~30 min.

4. Depth of well (from top of well casisng) 21. ft.

5. Inside diameter of well 2. in.

6. Volume of water in filter pack and well casing ~3 gal.

7. Volume of water removed from well 10. gal.

8. Volume of water added (if any) 0. gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.33 ft.	17.1 ft.
Date	b. 4/9/2016 (m m d d y y y y)	4/9/2016 (m m d d y y y y)
Time	c. ___:___ ☐ a.m. ☐ p.m.	___:___ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids ____.__ mg/l ____.__ mg/l

15. COD ____.__ mg/l ____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Ken Last Name: Shimko
Firm: Meridian Env. Cltg, LLC

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Ken Last Name: Shimko
Facility/Firm: Meridian Env Cltg LLC
Street: _____
City/State/Zip: Fall Creek WI 54742

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Ken Shimko
Firm: Meridian Env Cltg LLC

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: Adam's Garage (Former)	License/Permit/Monitoring Number	Boring Number: MW-15A	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Joe Last Name: Black — Firm: PSI	Date Drilling Started: 4/4/2016	Date Drilling Completed: 4/5/2016	Drilling Method: HSA
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: _____ inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E — _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____	Lat ° ' " — Long ° ' "	Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W	
Facility ID	County: Sawyer	County Code	Civil Town/City/ or Village: Radisson		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				sand / gravel			2" PVC							
			5	medium sand w/ F. sand.						wet				
			10	cobbles & sand										
			15	EOB = 15 ft.										
			20											

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

Signature _____ Firm: Meridian Environmental Grp. LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Adam's Garage (Former)	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-15A
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 4/4/2016 (m m d d y y y y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: ¼ of ¼ of Sec. ____ T. ____ N, R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Joe Black / PSI
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation _____ 0 _____ ft. MSL

B. Well casing, top elevation _____ 0 _____ ft. MSL

C. Land surface elevation _____ 0 _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or ___1___ ft.

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

13. Sieve analysis performed? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☑ 41 / Other ☐ _____

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☑ 99

16. Drilling additives used? ☐ Yes ☐ No

Describe _____

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

_____

E. Bentonite seal, top _____ ft. MSL or ___3___ ft.

F. Fine sand, top _____ ft. MSL or ___3___ ft.

G. Filter pack, top _____ ft. MSL or ___4___ ft.

H. Screen joint, top _____ ft. MSL or ___5___ ft.

I. Well bottom _____ ft. MSL or ___15___ ft.

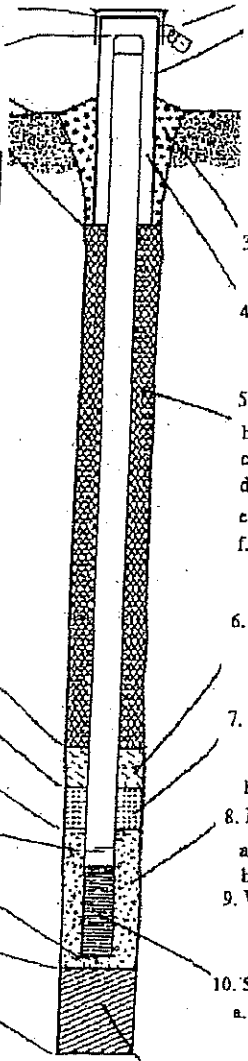
J. Filter pack, bottom _____ ft. MSL or ___15___ ft.

K. Borehole, bottom _____ ft. MSL or ___15___ ft.

L. Borehole, diameter ___8___ in.

M. O.D. well casing ___2___ in.

N. I.D. well casing ___2___ in.



1. Cap and lock? ☑ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: ___8___ in.
b. Length: ___1___ ft.
c. Material: Steel ☑ 04 / Other ☐ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30 / Concrete ☑ 01 / Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ☑ 30 / Other ☐ _____

5. Annular space seal: a. Granular/Chipped Bentonite ☑ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☑ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☑ 32
c. _____ Other ☐ _____

7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☑ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ _____

10. Screen material: PVC
a. Screen type: Factory cut ☑ 11 / Continuous slot ☐ 01 / Other ☐ _____
b. Manufacturer _____
c. Slot size: 0.___1___ in.
d. Slotted length: ___10___ ft.

11. Backfill material (below filter pack): None ☑ 14 / Other ☐ _____

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

Signature: _____ Firm: Meridian Environmental Consulting, LLC

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Adam's Garage (Former)	Sawyer	MW-15A
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
	___	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☒ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well ~30 min.

4. Depth of well (from top of well casisng) 15. ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing ~2 gal.

7. Volume of water removed from well 10. gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.27 ft.	4.9 ft.
Date	b. 4/9/2016 (m m d d y y y y)	4/9/2016 (m m d d y y y y)
Time	c. ___:___ ☐ a.m. ☐ p.m.	___:___ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	0 inches	0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids ____.__ mg/l ____.__ mg/l

15. COD ____.__ mg/l ____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Ken Last Name: Shimko
Firm: Meridian Env. Cltg, LLC

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Ken Last Name: Shimko
Facility/Firm: Meridian Env Cltg LLC
Street: _____
City/State/Zip: Fall Creek WI 54742

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Ken Shimko
Firm: Meridian Env Cltg LLC

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: Adam's Garage (Former)	License/Permit/Monitoring Number:	Boring Number: MW-15B
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Joe Last Name: Black Firm: PSI	Date Drilling Started: 4/4/2016	Date Drilling Completed: 4/5/2016 — Drilling Method: HSA
WI Unique Well No.	DNR Well ID No.	Well Name: — Final Static Water Level: ____ Feet MSL — Surface Elevation: ____ Feet MSL — Borehole Diameter: ____ inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane ____ N, ____ E	Lat ° ' " — Long ° ' "	Local Grid Location: ____ Feet ☐ N ☐ S ____ Feet ☐ E ☐ W
____ 1/4 of ____ 1/4 of Section ____, T ____ N, R ____		
Facility ID	County: Sawyer	County Code: ____ — Civil Town/City/ or Village: Radisson

Sample: Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	earth drill										
			5											
			10				2" PVC							
			15											
			20	refusal at 20 ft.										
				EOB = 20 ft.										

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

Signature: _____ Firm: Meridian Environmental Co. LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Adams George (Former)	Local Grid Location of Well: ____ ft. ☐N ☐S, ____ ft. ☐E ☐W	Well Name: MW-15B
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 4/4/2016 (m m d d y y y y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Joe Black, PSI
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation ____ 2 ____ ft. MSL
B. Well casing, top elevation ____ 0 ____ ft. MSL
C. Land surface elevation ____ 0 ____ ft. MSL
D. Surface seal, bottom ____ ft. MSL or ____ 1 ____ ft.

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

13. Sieve analysis performed? ☐ Yes ☑ No

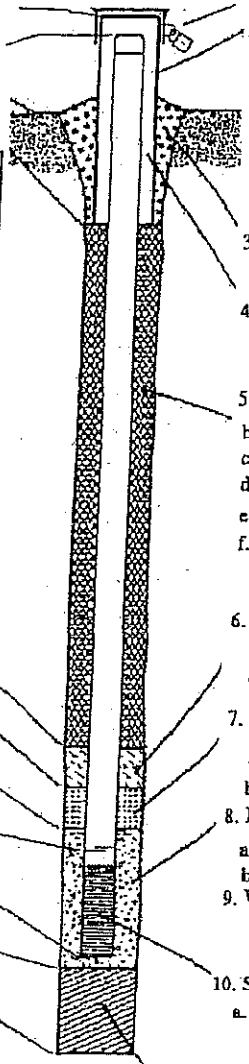
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☑ 41 / Other ☐

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☑ 99

16. Drilling additives used? ☐ Yes ☐ No
Describe ____

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

E. Bentonite seal, top ____ ft. MSL or ____ 12 ____ ft.
F. Fine sand, top ____ ft. MSL or ____ 12 ____ ft.
G. Filter pack, top ____ ft. MSL or ____ 13 ____ ft.
H. Screen joint, top ____ ft. MSL or ____ 15 ____ ft.
I. Well bottom ____ ft. MSL or ____ 20 ____ ft.
J. Filter pack, bottom ____ ft. MSL or ____ 20 ____ ft.
K. Borehole, bottom ____ ft. MSL or ____ 20 ____ ft.
L. Borehole, diameter ____ 6 ____ in.
M. O.D. well casing ____ 2 ____ in.
N. I.D. well casing ____ 2 ____ in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: ____ 8 ____ in.
b. Length: ____ 1 ____ ft.
c. Material: Steel ☑ 04 / Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 30 / Concrete ☑ 01 / Other ☐
4. Material between well casing and protective pipe: Bentonite ☑ 30 / Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☑ 33
b. ____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. ____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☑ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☑ 32
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☑ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐
10. Screen material: ____ PVC ____
a. Screen type: Factory cut ☑ 11 / Continuous slot ☐ 01 / Other ☐
b. Manufacturer ____
c. Slot size: ____ 0.1 ____ in.
d. Slotted length: ____ 5 ____ ft.
11. Backfill material (below filter pack): None ☑ 14 / Other ☐

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

Signature: ____ Firm: Meridian Environmental Consultants, LLC

Please complete both forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Adam's Garage (Former)	Sawyer	MW-15B
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☒	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	[redacted]

3. Time spent developing well 130 min.

4. Depth of well (from top of well casisng) 20. ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 13 gal.

7. Volume of water removed from well 10. gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.31 ft.	5.2 ft.
Date	b. 4/9/2016 (m m d d y y y y)	4/9/2016 (m m d d y y y y)
Time	c. : ☐ a.m. ☐ p.m.	: ☐ a.m. ☐ p.m.
12. Sediment in well bottom	0 inches	0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☐ 20 Turbid ☒ 25
	(Describe)	(Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Ken Last Name: Shimko
Firm: Meridian Env. Cnty, LLC

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Ken Last Name: Shimko
Facility/Firm: Meridian Env Cnty LLC
Street: _____
City/State/Zip: Fall Creek WI 54742

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Ken Shimko
Firm: Meridian Env Cnty LLC

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: Adam's Garage (Former)	License/Permit/Monitoring Number:	Boring Number: MW-16
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Joe Last Name: Black Firm: PSS	Date Drilling Started: 4/4/2016	Date Drilling Completed: 4/5/2016
Drilling Method: HSA		
WI Unique Well No.	DNR Well ID No.	Well Name
Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: _____ inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E	Lat ° ' " Long ° ' "	Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____		
Facility ID	County: Sawyer	County Code:
Civil Town/City/ or Village: Radisson		

Sample: Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	brown/black dirt										
				well-sorted m. sand			2" PVC							
			5	↓						wet				
			10	brown m. sand + gravel						↓				
			15	↓										
				EOB = 15 ft.										
			20											

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

Signature: _____ Firm: Meridian Environmental Grp. LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

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

Facility/Project Name: Adam's Garage (Former)	Local Grid Location of Well: _____ ft. ☐N ☐S, _____ ft. ☐E ☐W	Well Name: MW-16
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.	DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 4/4/2016 (m m d d y y y y)
Type of Well Well Code ____/____	Section Location of Waste/Source 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm Joe Black PSI
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation 0 ft. MSL
B. Well casing, top elevation 0 ft. MSL
C. Land surface elevation 0 ft. MSL
D. Surface seal, bottom ____ ft. MSL or 1 ft.

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

13. Sieve analysis performed? ☐ Yes ☑ No

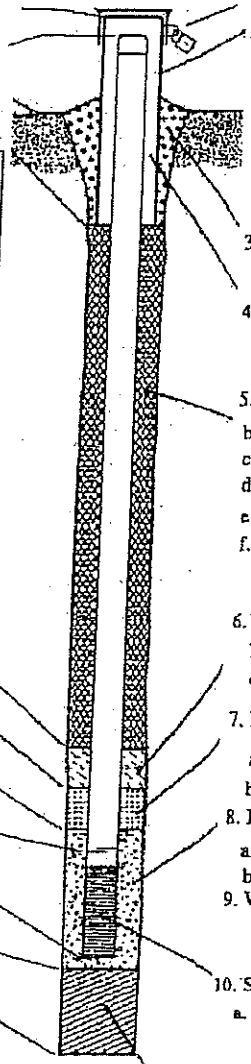
14. Drilling method used: Rotary ☑ 50
Hollow Stem Auger ☑ 41
Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☑ 99

16. Drilling additives used? ☐ Yes ☐ No
Describe _____

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

E. Bentonite seal, top ____ ft. MSL or 3 ft.
F. Fine sand, top ____ ft. MSL or 3 ft.
G. Filter pack, top ____ ft. MSL or 4 ft.
H. Screen joint, top ____ ft. MSL or 5 ft.
I. Well bottom ____ ft. MSL or 15 ft.
J. Filter pack, bottom ____ ft. MSL or 15 ft.
K. Borehole, bottom ____ ft. MSL or 15 ft.
L. Borehole, diameter 8 in.
M. O.D. well casing 2 in.
N. I.D. well casing 2 in.



1. Cap and lock? ☑ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☑ 04
Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30
Concrete ☑ 01
Other ☐
4. Material between well casing and protective pipe:
Bentonite ☑ 30
Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☑ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☑ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☑ 32
c. _____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☑ 11
Continuous slot ☐ 01
Other ☐
b. Manufacturer _____
c. Slot size: 0.1 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☑ 14
Other ☐

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

Signature _____ Firm Meridian Environmental Consultants, LLC

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Adam's Garage (Former)	Sawyer	MW-16
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☒	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	99

3. Time spent developing well ~30 min.

4. Depth of well (from top of well casisng) 15 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing ~2 gal.

7. Volume of water removed from well 10 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 5.0 ft.	5.2 ft.
Date	b. 4/9/2016 (m m d d y y y y)	4/9/2016
Time	c. ___:___ ☐ a.m. ☐ p.m.	___:___ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	0 inches	0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Ken Last Name: Shimko
Firm: Meridian Env. Mgt, LLC

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Ken Last Name: Shimko
Facility/Firm: Meridian Env Mgt LLC
Street: _____
City/State/Zip: Fall Creek WI 54742

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Ken Shimko
Firm: Meridian Env Mgt LLC

NOTE: See instructions for more information including a list of county codes and well type codes.

APPENDIX B

Analytical Reports

Pace Analytical®
www.pacelabs.com

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

April 21, 2016

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

RE: Project: ADAM'S
Pace Project No.: 40130356

Dear Kenneth Shimko:
Enclosed are the analytical results for sample(s) received by the laboratory on April 07, 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

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

CERTIFICATIONS

Project: ADAM'S
Pace Project No.: 40130356

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

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

SAMPLE SUMMARY

Project: ADAM'S
Pace Project No.: 40130356

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40130356001	16: 1-2	Solid	04/05/16 00:00	04/07/16 07:30
40130356002	16: 3-4	Solid	04/05/16 00:00	04/07/16 07:30
40130356003	16: 5-6	Solid	04/05/16 00:00	04/07/16 07:30
40130356004	MEOH BLANK	Solid	04/05/16 00:00	04/07/16 07:30

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SAMPLE ANALYTE COUNT

Project: ADAM'S
Pace Project No.: 40130356

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40130356001	16: 1-2	WI MOD GRO	PMS	12	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40130356002	16: 3-4	WI MOD GRO	PMS	12	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40130356003	16: 5-6	WI MOD GRO	PMS	12	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40130356004	MEOH BLANK	WI MOD GRO	PMS	12	PASI-G

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PROJECT NARRATIVE

Project: ADAM'S
Pace Project No.: 40130356

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: Meridian Environmental Consulting, LLC
Date: April 21, 2016

General Information:
4 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.

Sample Preparation:
The samples were prepared in accordance with TPH GRO/PVOC WI ext. with any exceptions noted below.

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

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

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

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

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

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

Additional Comments:

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

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ANALYTICAL RESULTS

Project: ADAM'S
Pace Project No.: 40130356

Sample: 16: 1-2 **Lab ID: 40130356001** Collected: 04/05/16 00:00 Received: 04/07/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 11:59	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 11:59	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 11:59	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 11:59	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 11:59	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	100	50.0	1	04/08/16 07:30	04/08/16 11:59		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 11:59	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 11:59	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	150	75.0	1	04/08/16 07:30	04/08/16 11:59	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	04/08/16 07:30	04/08/16 11:59	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 11:59	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	04/08/16 07:30	04/08/16 11:59	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.4**	%	0.10	0.10	1		04/20/16 17:07		

Sample: 16: 3-4 **Lab ID: 40130356002** Collected: 04/05/16 00:00 Received: 04/07/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 12:24	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 12:24	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 12:24	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 12:24	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 12:24	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	100	50.0	1	04/08/16 07:30	04/08/16 12:24		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 12:24	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 12:24	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	150	75.0	1	04/08/16 07:30	04/08/16 12:24	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	04/08/16 07:30	04/08/16 12:24	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 12:24	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	04/08/16 07:30	04/08/16 12:24	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.6**	%	0.10	0.10	1		04/20/16 17:08		

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ANALYTICAL RESULTS

Project: ADAM'S
Pace Project No.: 40130356

Sample: 16: 5-6 Lab ID: **40130356003** Collected: 04/05/16 00:00 Received: 04/07/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 17:07	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 17:07	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 17:07	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 17:07	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 17:07	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	100	50.0	1	04/08/16 07:30	04/08/16 17:07		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 17:07	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 17:07	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	150	75.0	1	04/08/16 07:30	04/08/16 17:07	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	04/08/16 07:30	04/08/16 17:07	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 17:07	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	04/08/16 07:30	04/08/16 17:07	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.1**	%	0.10	0.10	1		04/21/16 09:50		

Sample: MEOH BLANK Lab ID: **40130356004** Collected: 04/05/16 00:00 Received: 04/07/16 07:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 18:51	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 18:51	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 18:51	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 18:51	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 18:51	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	100	50.0	1	04/08/16 07:30	04/08/16 18:51		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 18:51	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 18:51	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	150	75.0	1	04/08/16 07:30	04/08/16 18:51	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	04/08/16 07:30	04/08/16 18:51	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	04/08/16 07:30	04/08/16 18:51	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1	04/08/16 07:30	04/08/16 18:51	98-08-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ADAM'S
Pace Project No.: 40130356

QC Batch: GCV/15886 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40130356001, 40130356002, 40130356003, 40130356004

METHOD BLANK: 1316935 Matrix: Solid
Associated Lab Samples: 40130356001, 40130356002, 40130356003, 40130356004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	04/08/16 08:26	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	04/08/16 08:26	
Benzene	ug/kg	<25.0	50.0	04/08/16 08:26	
Ethylbenzene	ug/kg	<25.0	50.0	04/08/16 08:26	
m&p-Xylene	ug/kg	<50.0	100	04/08/16 08:26	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	04/08/16 08:26	
Naphthalene	ug/kg	<25.0	50.0	04/08/16 08:26	
o-Xylene	ug/kg	<25.0	50.0	04/08/16 08:26	
Toluene	ug/kg	<25.0	50.0	04/08/16 08:26	
Total Trimethylbenzenes	ug/kg	<50.0	100	04/08/16 08:26	
Xylene (Total)	ug/kg	<75.0	150	04/08/16 08:26	
a,a,a-Trifluorotoluene (S)	%	101	80-120	04/08/16 08:26	

LABORATORY CONTROL SAMPLE & LCSD: 1316936 1316937

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1060	1060	106	106	80-120	0	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1040	1040	104	104	80-120	0	20	
Benzene	ug/kg	1000	1000	1020	100	102	80-120	2	20	
Ethylbenzene	ug/kg	1000	1020	1030	102	103	80-120	1	20	
m&p-Xylene	ug/kg	2000	2020	2040	101	102	80-120	1	20	
Methyl-tert-butyl ether	ug/kg	1000	1010	1030	101	103	80-120	2	20	
Naphthalene	ug/kg	1000	1020	1040	102	104	80-120	2	20	
o-Xylene	ug/kg	1000	1030	1040	103	104	80-120	1	20	
Toluene	ug/kg	1000	1020	1030	102	103	80-120	1	20	
Total Trimethylbenzenes	ug/kg	2000	2100	2100	105	105	80-120	0	20	
Xylene (Total)	ug/kg	3000	3050	3080	102	103	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				101	100	80-120			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: ADAM'S
Pace Project No.: 40130356

QC Batch: PMST/12617
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40130356001, 40130356002

SAMPLE DUPLICATE: 1323336

Parameter	Units	40130362001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.2	14.2	0	10	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ADAM'S
Pace Project No.: 40130356

QC Batch: PMST/12623
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40130356003

SAMPLE DUPLICATE: 1323505

Parameter	Units	40130414006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	24.5	23.7	3	10	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: ADAM'S
Pace Project No.: 40130356

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

W Non-detect results are reported on a wet weight basis.

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ADAM'S
Pace Project No.: 40130356

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40130356001	16: 1-2	TPH GRO/PVOC WI ext.	GCV/15886	WI MOD GRO	GCV/15889
40130356002	16: 3-4	TPH GRO/PVOC WI ext.	GCV/15886	WI MOD GRO	GCV/15889
40130356003	16: 5-6	TPH GRO/PVOC WI ext.	GCV/15886	WI MOD GRO	GCV/15889
40130356004	MEOH BLANK	TPH GRO/PVOC WI ext.	GCV/15886	WI MOD GRO	GCV/15889
40130356001	16: 1-2	ASTM D2974-87	PMST/12617		
40130356002	16: 3-4	ASTM D2974-87	PMST/12617		
40130356003	16: 5-6	ASTM D2974-87	PMST/12623		

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

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

40230356

(Please Print Clearly)	
Company Name:	Meridian Rural Hy
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	715-832-6608
Project Number:	
Project Name:	Adam's
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
PO #:	Regulatory Program:

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

*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

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	16: 1-2	4/5		S	Y/N	Pick Letter	8 VOCT Napth		1-40zg A 1-40mlVF	
002	16: 3-4	4/5								
003	16: 5-6	4/5								
004	① Meoh Blank									

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	4/6/16 9a	Dunham	4/6/16 9a
	4-7-16 0730	Susan Kuhl	4-7-16 0730

PACE Project No.
40230356

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

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Condition Upon Receipt

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

Pace Analytical

Project #: WO#: 40130356

40130356

Client Name: Meridian ENV. Durham

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

Tracking #: 115342/

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 Corr: **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Person examining contents:
Date:
Initials:

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

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

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

Person Contacted: Date/Time:

Comments/ Resolution: Original and copy of COC in shipment 4-7-16 SW

Project Manager Review: **Date:** 4-7-16

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

April 22, 2016

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

RE: Project: RADISSON
Pace Project No.: 40130986

Dear Kenneth Shimko:
Enclosed are the analytical results for sample(s) received by the laboratory on April 19, 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

Pace Analytical Services, Inc.
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CERTIFICATIONS

Project: RADISSON
Pace Project No.: 40130986

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 ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: RADISSON
Pace Project No.: 40130986

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40130986001	DE	Water	04/14/16 00:00	04/19/16 07:30
40130986002	DW	Water	04/14/16 00:00	04/19/16 07:30
40130986003	3R	Water	04/14/16 00:00	04/19/16 07:30
40130986004	5R	Water	04/14/16 00:00	04/19/16 07:30
40130986005	10	Water	04/14/16 00:00	04/19/16 07:30
40130986006	11	Water	04/14/16 00:00	04/19/16 07:30
40130986007	12	Water	04/14/16 00:00	04/19/16 07:30
40130986008	13A	Water	04/14/16 00:00	04/19/16 07:30
40130986009	13B	Water	04/14/16 00:00	04/19/16 07:30
40130986010	14A	Water	04/14/16 00:00	04/19/16 07:30
40130986011	14B	Water	04/14/16 00:00	04/19/16 07:30
40130986012	15A	Water	04/14/16 00:00	04/19/16 07:30
40130986013	15B	Water	04/14/16 00:00	04/19/16 07:30
40130986014	16	Water	04/14/16 00:00	04/19/16 07:30
40130986015	P-1	Water	04/14/16 00:00	04/19/16 07:30
40130986016	P-2	Water	04/14/16 00:00	04/19/16 07:30
40130986017	TRIP BLANK	Water	04/14/16 00:00	04/19/16 07:30

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SAMPLE ANALYTE COUNT

Project: RADISSON
Pace Project No.: 40130986

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40130986001	DE	WI MOD GRO	PMS	9	PASI-G
40130986002	DW	WI MOD GRO	PMS	9	PASI-G
40130986003	3R	WI MOD GRO	PMS	9	PASI-G
40130986004	5R	WI MOD GRO	PMS	9	PASI-G
40130986005	10	WI MOD GRO	PMS	9	PASI-G
40130986006	11	WI MOD GRO	PMS	9	PASI-G
40130986007	12	WI MOD GRO	PMS	9	PASI-G
40130986008	13A	WI MOD GRO	PMS	9	PASI-G
40130986009	13B	WI MOD GRO	PMS	9	PASI-G
40130986010	14A	WI MOD GRO	PMS	9	PASI-G
40130986011	14B	WI MOD GRO	PMS	9	PASI-G
40130986012	15A	WI MOD GRO	PMS	9	PASI-G
40130986013	15B	WI MOD GRO	PMS	9	PASI-G
40130986014	16	WI MOD GRO	PMS	9	PASI-G
40130986015	P-1	WI MOD GRO	PMS	9	PASI-G
40130986016	P-2	WI MOD GRO	PMS	9	PASI-G
40130986017	TRIP BLANK	WI MOD GRO	PMS	9	PASI-G

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PROJECT NARRATIVE

Project: RADISSON
Pace Project No.: 40130986

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: Meridian Environmental Consulting, LLC
Date: April 22, 2016

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

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

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

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

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

QC Batch: GCV/15921

S7: Surrogate recovery outside control limits (not confirmed by re-analysis).
- 5R (Lab ID: 40130986004)
  - a,a,a-Trifluorotoluene (S)

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/15924

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40131088001

R1: RPD value was outside control limits.
- MSD (Lab ID: 1323710)
  - 1,2,4-Trimethylbenzene
  - 1,3,5-Trimethylbenzene
  - Benzene
  - Methyl-tert-butyl ether

Additional Comments:

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

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ANALYTICAL RESULTS

Project: RADISSON
Pace Project No.: 40130986

Sample: DE **Lab ID: 40130986001** Collected: 04/14/16 00:00 Received: 04/19/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**0.84J**	ug/L	1.0	0.40	1		04/20/16 10:13	71-43-2	
Ethylbenzene	**3.7**	ug/L	1.0	0.39	1		04/20/16 10:13	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		04/20/16 10:13	1634-04-4	
Naphthalene	**1.5**	ug/L	1.0	0.42	1		04/20/16 10:13	91-20-3	
Toluene	**5.3**	ug/L	1.0	0.39	1		04/20/16 10:13	108-88-3	
1,2,4-Trimethylbenzene	**2.5**	ug/L	1.0	0.42	1		04/20/16 10:13	95-63-6	
1,3,5-Trimethylbenzene	**0.64J**	ug/L	1.0	0.42	1		04/20/16 10:13	108-67-8	
Xylene (Total)	**14.4**	ug/L	3.0	1.2	1		04/20/16 10:13	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	106	%	80-120		1		04/20/16 10:13	98-08-8	

Sample: DW **Lab ID: 40130986002** Collected: 04/14/16 00:00 Received: 04/19/16 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		04/20/16 10:39	71-43-2	
Ethylbenzene	**2.1**	ug/L	1.0	0.39	1		04/20/16 10:39	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		04/20/16 10:39	1634-04-4	
Naphthalene	**0.71J**	ug/L	1.0	0.42	1		04/20/16 10:39	91-20-3	
Toluene	**2.2**	ug/L	1.0	0.39	1		04/20/16 10:39	108-88-3	
1,2,4-Trimethylbenzene	**1.8**	ug/L	1.0	0.42	1		04/20/16 10:39	95-63-6	
1,3,5-Trimethylbenzene	**0.73J**	ug/L	1.0	0.42	1		04/20/16 10:39	108-67-8	
Xylene (Total)	**9.6**	ug/L	3.0	1.2	1		04/20/16 10:39	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		04/20/16 10:39	98-08-8	

Sample: 3R **Lab ID: 40130986003** Collected: 04/14/16 00:00 Received: 04/19/16 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		04/20/16 11:05	71-43-2	
Ethylbenzene	**0.80J**	ug/L	1.0	0.39	1		04/20/16 11:05	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		04/20/16 11:05	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 11:05	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 11:05	108-88-3	
1,2,4-Trimethylbenzene	**2.6**	ug/L	1.0	0.42	1		04/20/16 11:05	95-63-6	
1,3,5-Trimethylbenzene	**0.44J**	ug/L	1.0	0.42	1		04/20/16 11:05	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		04/20/16 11:05	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	110	%	80-120		1		04/20/16 11:05	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: RADISSON
Pace Project No.: 40130986

Sample: 5R **Lab ID: 40130986004** Collected: 04/14/16 00:00 Received: 04/19/16 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		04/20/16 11:31	71-43-2	
Ethylbenzene	**4.9**	ug/L	1.0	0.39	1		04/20/16 11:31	100-41-4	
Methyl-tert-butyl ether	**3.8**	ug/L	1.0	0.48	1		04/20/16 11:31	1634-04-4	
Naphthalene	**1.8**	ug/L	1.0	0.42	1		04/20/16 11:31	91-20-3	
Toluene	**0.51J**	ug/L	1.0	0.39	1		04/20/16 11:31	108-88-3	
1,2,4-Trimethylbenzene	**6.0**	ug/L	1.0	0.42	1		04/20/16 11:31	95-63-6	
1,3,5-Trimethylbenzene	**0.57J**	ug/L	1.0	0.42	1		04/20/16 11:31	108-67-8	
Xylene (Total)	**8.5**	ug/L	3.0	1.2	1		04/20/16 11:31	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	126	%	80-120		1		04/20/16 11:31	98-08-8	S7

Sample: 10 **Lab ID: 40130986005** Collected: 04/14/16 00:00 Received: 04/19/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**2.0**	ug/L	1.0	0.40	1		04/20/16 11:56	71-43-2	
Ethylbenzene	**22.6**	ug/L	1.0	0.39	1		04/20/16 11:56	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		04/20/16 11:56	1634-04-4	
Naphthalene	**3.3**	ug/L	1.0	0.42	1		04/20/16 11:56	91-20-3	
Toluene	**2.2**	ug/L	1.0	0.39	1		04/20/16 11:56	108-88-3	
1,2,4-Trimethylbenzene	**7.2**	ug/L	1.0	0.42	1		04/20/16 11:56	95-63-6	
1,3,5-Trimethylbenzene	**2.2**	ug/L	1.0	0.42	1		04/20/16 11:56	108-67-8	
Xylene (Total)	**20.3**	ug/L	3.0	1.2	1		04/20/16 11:56	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	106	%	80-120		1		04/20/16 11:56	98-08-8	

Sample: 11 **Lab ID: 40130986006** Collected: 04/14/16 00:00 Received: 04/19/16 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		04/20/16 12:22	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 12:22	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		04/20/16 12:22	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 12:22	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 12:22	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 12:22	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 12:22	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		04/20/16 12:22	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		1		04/20/16 12:22	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: RADISSON
Pace Project No.: 40130986

Sample: 12 **Lab ID: 40130986007** Collected: 04/14/16 00:00 Received: 04/19/16 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		04/20/16 12:48	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 12:48	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		04/20/16 12:48	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 12:48	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 12:48	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 12:48	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 12:48	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		04/20/16 12:48	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		04/20/16 12:48	98-08-8	

Sample: 13A **Lab ID: 40130986008** Collected: 04/14/16 00:00 Received: 04/19/16 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		04/20/16 13:13	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 13:13	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		04/20/16 13:13	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 13:13	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 13:13	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 13:13	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 13:13	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		04/20/16 13:13	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	106	%	80-120		1		04/20/16 13:13	98-08-8	

Sample: 13B **Lab ID: 40130986009** Collected: 04/14/16 00:00 Received: 04/19/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1.2**	ug/L	1.0	0.40	1		04/20/16 13:39	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 13:39	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		04/20/16 13:39	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 13:39	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 13:39	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 13:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 13:39	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		04/20/16 13:39	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		1		04/20/16 13:39	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: RADISSON
Pace Project No.: 40130986

Sample: 14A **Lab ID: 40130986010** Collected: 04/14/16 00:00 Received: 04/19/16 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		04/20/16 17:56	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 17:56	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		04/20/16 17:56	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 17:56	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 17:56	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 17:56	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 17:56	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		04/20/16 17:56	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		04/20/16 17:56	98-08-8	

Sample: 14B **Lab ID: 40130986011** Collected: 04/14/16 00:00 Received: 04/19/16 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		04/20/16 18:22	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 18:22	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		04/20/16 18:22	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 18:22	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 18:22	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 18:22	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 18:22	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		04/20/16 18:22	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		1		04/20/16 18:22	98-08-8	

Sample: 15A **Lab ID: 40130986012** Collected: 04/14/16 00:00 Received: 04/19/16 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		04/20/16 18:47	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 18:47	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		04/20/16 18:47	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 18:47	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 18:47	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 18:47	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 18:47	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		04/20/16 18:47	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		04/20/16 18:47	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: RADISSON
Pace Project No.: 40130986

Sample: 15B **Lab ID: 40130986013** Collected: 04/14/16 00:00 Received: 04/19/16 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		04/20/16 19:13	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 19:13	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		04/20/16 19:13	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 19:13	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		04/20/16 19:13	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 19:13	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/20/16 19:13	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		04/20/16 19:13	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		04/20/16 19:13	98-08-8	

Sample: 16 **Lab ID: 40130986014** Collected: 04/14/16 00:00 Received: 04/19/16 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		04/21/16 10:01	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		04/21/16 10:01	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		04/21/16 10:01	1634-04-4	
Naphthalene	**0.91J**	ug/L	1.0	0.42	1		04/21/16 10:01	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		04/21/16 10:01	108-88-3	
1,2,4-Trimethylbenzene	**0.47J**	ug/L	1.0	0.42	1		04/21/16 10:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/21/16 10:01	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		04/21/16 10:01	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		1		04/21/16 10:01	98-08-8	

Sample: P-1 **Lab ID: 40130986015** Collected: 04/14/16 00:00 Received: 04/19/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**3.9**	ug/L	1.0	0.40	1		04/21/16 10:27	71-43-2	
Ethylbenzene	**156**	ug/L	1.0	0.39	1		04/21/16 10:27	100-41-4	
Methyl-tert-butyl ether	**1.5**	ug/L	1.0	0.48	1		04/21/16 10:27	1634-04-4	
Naphthalene	**9.7**	ug/L	1.0	0.42	1		04/21/16 10:27	91-20-3	
Toluene	**13.2**	ug/L	1.0	0.39	1		04/21/16 10:27	108-88-3	
1,2,4-Trimethylbenzene	**51.1**	ug/L	1.0	0.42	1		04/21/16 10:27	95-63-6	
1,3,5-Trimethylbenzene	**2.7**	ug/L	1.0	0.42	1		04/21/16 10:27	108-67-8	
Xylene (Total)	**45.0**	ug/L	3.0	1.2	1		04/21/16 10:27	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	114	%	80-120		1		04/21/16 10:27	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: RADISSON
Pace Project No.: 40130986

Sample: P-2 **Lab ID: 40130986016** Collected: 04/14/16 00:00 Received: 04/19/16 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		04/21/16 10:53	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		04/21/16 10:53	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		04/21/16 10:53	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		04/21/16 10:53	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		04/21/16 10:53	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/21/16 10:53	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/21/16 10:53	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		04/21/16 10:53	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		04/21/16 10:53	98-08-8	

Sample: TRIP BLANK **Lab ID: 40130986017** Collected: 04/14/16 00:00 Received: 04/19/16 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		04/21/16 13:56	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		04/21/16 13:56	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		04/21/16 13:56	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		04/21/16 13:56	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		04/21/16 13:56	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/21/16 13:56	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/21/16 13:56	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		04/21/16 13:56	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	106	%	80-120		1		04/21/16 13:56	98-08-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: RADISSON
Pace Project No.: 40130986

QC Batch: GCV/15921 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40130986001, 40130986002, 40130986003, 40130986004, 40130986005, 40130986006, 40130986007, 40130986008, 40130986009, 40130986010, 40130986011, 40130986012, 40130986013

METHOD BLANK: 1322801 Matrix: Water
Associated Lab Samples: 40130986001, 40130986002, 40130986003, 40130986004, 40130986005, 40130986006, 40130986007, 40130986008, 40130986009, 40130986010, 40130986011, 40130986012, 40130986013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	04/20/16 08:05	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	04/20/16 08:05	
Benzene	ug/L	<0.40	1.0	04/20/16 08:05	
Ethylbenzene	ug/L	<0.39	1.0	04/20/16 08:05	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	04/20/16 08:05	
Naphthalene	ug/L	<0.42	1.0	04/20/16 08:05	
Toluene	ug/L	<0.39	1.0	04/20/16 08:05	
Xylene (Total)	ug/L	<1.2	3.0	04/20/16 08:05	
a,a,a-Trifluorotoluene (S)	%	106	80-120	04/20/16 08:05	

LABORATORY CONTROL SAMPLE & LCSD: 1322802 1322803

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	20.8	20.7	104	103	80-120	1	20	
1,3,5-Trimethylbenzene	ug/L	20	20.3	20.3	101	101	80-120	0	20	
Benzene	ug/L	20	20.5	20.6	103	103	80-120	0	20	
Ethylbenzene	ug/L	20	20.2	20.1	101	101	80-120	0	20	
Methyl-tert-butyl ether	ug/L	20	21.5	21.2	108	106	80-120	2	20	
Naphthalene	ug/L	20	21.6	21.2	108	106	80-120	1	20	
Toluene	ug/L	20	20.3	20.1	101	100	80-120	1	20	
Xylene (Total)	ug/L	60	61.0	60.4	102	101	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				104	103	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1322926 1322927

Parameter	Units	40130998016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	376	200	200	595	623	110	124	48-177	5	20	
1,3,5-Trimethylbenzene	ug/L	122	200	200	331	346	104	112	73-145	4	20	
Benzene	ug/L	<4.0	200	200	223	228	112	114	74-139	2	20	
Ethylbenzene	ug/L	27.0	200	200	248	252	110	112	74-140	2	20	
Methyl-tert-butyl ether	ug/L	<4.8	200	200	216	217	108	109	80-120	1	20	
Naphthalene	ug/L	161	200	200	388	397	114	118	73-133	2	20	
Toluene	ug/L	<3.9	200	200	224	227	112	114	80-128	2	20	
Xylene (Total)	ug/L	176	600	600	827	844	108	111	69-143	2	20	
a,a,a-Trifluorotoluene (S)	%						108	108	80-120			

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: RADISSON
Pace Project No.: 40130986

QC Batch: GCV/15924 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40130986014, 40130986015, 40130986016, 40130986017

METHOD BLANK: 1323362 Matrix: Water
Associated Lab Samples: 40130986014, 40130986015, 40130986016, 40130986017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	04/21/16 08:18	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	04/21/16 08:18	
Benzene	ug/L	<0.40	1.0	04/21/16 08:18	
Ethylbenzene	ug/L	<0.39	1.0	04/21/16 08:18	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	04/21/16 08:18	
Naphthalene	ug/L	<0.42	1.0	04/21/16 08:18	
Toluene	ug/L	<0.39	1.0	04/21/16 08:18	
Xylene (Total)	ug/L	<1.2	3.0	04/21/16 08:18	
a,a,a-Trifluorotoluene (S)	%	104	80-120	04/21/16 08:18	

LABORATORY CONTROL SAMPLE & LCSD: 1323363 1323364

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	21.3	21.3	107	107	80-120	0	20	
1,3,5-Trimethylbenzene	ug/L	20	20.9	20.8	104	104	80-120	0	20	
Benzene	ug/L	20	21.1	21.0	106	105	80-120	0	20	
Ethylbenzene	ug/L	20	20.9	20.7	104	104	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	20.9	21.2	105	106	80-120	1	20	
Naphthalene	ug/L	20	20.8	21.7	104	109	80-120	5	20	
Toluene	ug/L	20	20.9	20.8	104	104	80-120	0	20	
Xylene (Total)	ug/L	60	63.0	61.7	105	103	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				104	103	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1323709 1323710

Parameter	Units	40131088001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	<0.42	20	20	14.0	18.1	70	91	48-177	26	20	R1
1,3,5-Trimethylbenzene	ug/L	<0.42	20	20	14.9	18.7	75	94	73-145	23	20	R1
Benzene	ug/L	<0.40	20	20	16.6	20.7	83	104	74-139	22	20	R1
Ethylbenzene	ug/L	<0.39	20	20	17.1	20.4	86	102	74-140	18	20	
Methyl-tert-butyl ether	ug/L	<0.48	20	20	16.3	20.2	82	101	80-120	21	20	R1
Naphthalene	ug/L	<0.42	20	20	17.6	20.3	88	101	73-133	14	20	
Toluene	ug/L	<0.39	20	20	17.0	20.4	85	102	80-128	18	20	
Xylene (Total)	ug/L	<1.2	60	60	49.6	60.4	83	101	69-143	20	20	
a,a,a-Trifluorotoluene (S)	%						103	103	80-120			

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: RADISSON
Pace Project No.: 40130986

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.

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TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

R1	RPD value was outside control limits.
S7	Surrogate recovery outside control limits (not confirmed by re-analysis).

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: RADISSON
Pace Project No.: 40130986

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40130986001	DE	WI MOD GRO	GCV/15921		
40130986002	DW	WI MOD GRO	GCV/15921		
40130986003	3R	WI MOD GRO	GCV/15921		
40130986004	5R	WI MOD GRO	GCV/15921		
40130986005	10	WI MOD GRO	GCV/15921		
40130986006	11	WI MOD GRO	GCV/15921		
40130986007	12	WI MOD GRO	GCV/15921		
40130986008	13A	WI MOD GRO	GCV/15921		
40130986009	13B	WI MOD GRO	GCV/15921		
40130986010	14A	WI MOD GRO	GCV/15921		
40130986011	14B	WI MOD GRO	GCV/15921		
40130986012	15A	WI MOD GRO	GCV/15921		
40130986013	15B	WI MOD GRO	GCV/15921		
40130986014	16	WI MOD GRO	GCV/15924		
40130986015	P-1	WI MOD GRO	GCV/15924		
40130986016	P-2	WI MOD GRO	GCV/15924		
40130986017	TRIP BLANK	WI MOD GRO	GCV/15924		

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BH

Pg. 1 of 2

40130986

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	Meridian Env-Cst
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	715-832-6608
Project Number:	
Project Name:	Radisson
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Ken Shimko
Mail To Company:	Meridian Env-Cst
Mail To Address:	2711 N. Bloor 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 DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested: Pick Letter	X PVOC + Naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	DE	4/14	4/14	GW				X		3-40ml VB	
002	DW										
003	3R		K?								
004	5R										
005	10										
006	11										
007	12										
008	13A										
009	13B										
010	14A										
011	14B										
012	15A										
013	15B										

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Ken Shimko	4/19/16 0730	Susan K Wyly Pace	4/19/16 0730

SEE Pg TWO

PACE Project No.
40130986

Receipt Temp = ROT °C

Sample Receipt pH
OK / Adjusted

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

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Page 17 of 18

4.282

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CHAIN OF CUSTODY

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

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

Quote #:	
Mail To Contact:	Ken Shimko
Mail To Company:	Meridian Env Co
Mail To Address:	2716 N. Flico Rd Fall Creek WI 54742
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

FILTERED? (YES/NO) — Y/N
PRESERVATION (CODE)* — Pick Letter

Analyses Requested: PVOC trip blank

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
014	16	4/14		GW		3-40ml VB	
015	P-1	↓		↓		↓	
016	P-2	↓		↓		↓	
017	① Trip Blank					2-40ml VB	

① In Shipment. Lab added to COC. 4/19/16 SKW

	Relinquished By:	Date/Time:	Received By:	Date/Time:
Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:		4/18/16 9a		4/18/16 9a
Transmit Prelim Rush Results by (complete what you want):		4-19-16 0730		4/19/16 0730
Email #1:	Relinquished By:	Date/Time:	Received By:	Date/Time:
Email #2:	Relinquished By:	Date/Time:	Received By:	Date/Time:
Telephone:	Relinquished By:	Date/Time:	Received By:	Date/Time:
Fax:	Relinquished By:	Date/Time:	Received By:	Date/Time:

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

PACE Project No.: 40130986
Receipt Temp = 2.0 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 08/14/06

C019a(27Jun2006)

ORIGINAL

Sample Condition Upon Receipt

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

Pace Analytical™

Project #: **WO# : 40130986**

40130986

Client Name: Meridian

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

Tracking #: 1157858

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 /Corr: **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Person examining contents:
Date: 4-19-16
Initials: SW

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

				Comments:
Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☐Yes	☒No	☐N/A	2. No collect time 4-19-16 SW
Chain of Custody Relinquished:	☐Yes	☒No	☐N/A	3. Only page 2 of CA 4-19-16 SW
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes	☐No		Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☒No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	7.
Sufficient Volume:	☒Yes	☐No	☐N/A	8.
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
-Pace IR Containers Used:	☐Yes	☐No	☒N/A	
Containers Intact:	☒Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC:	☐Yes	☒No	☐N/A	12. No collect date on all samples 4-19-16 SW
-Includes date/time/ID/Analysis Matrix: W				
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes	☐No	☒N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes	☐No	☒N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes	☐No		Initial when completed / Lab Std #ID of preservative / Date/Time:
Headspace in VOA Vials (>6mm):	☒Yes	☐No	☐N/A	14. 002 - 1 vial. 4-19-16 SW
Trip Blank Present:	☒Yes	☐No	☐N/A	15.
Trip Blank Custody Seals Present	☒Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): 357				4-19-16 SW

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

Person Contacted: Date/Time:

Comments/ Resolution: Original and copy of COC in shipment. 4-19-16 SW
010, 012, 014 vials have about 2cm sediment at 9119116

Project Manager Review: Date: 4-19-16

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

May 10, 2016

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

RE: Project: Adam's Garage
Pace Project No.: 10347141

Dear Kenneth Shimko:
Enclosed are the analytical results for sample(s) received by the laboratory on May 04, 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,

Carolynne Trout

Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: Adam's Garage
Pace Project No.: 10347141

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
525 N 8th Street, Salina, KS 67401
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: Adam's Garage
Pace Project No.: 10347141

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10347141001	crawlspace-East	Air	05/02/16 01:45	05/04/16 10:15
10347141002	crawlspace-West	Air	05/02/16 01:50	05/04/16 10:15

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SAMPLE ANALYTE COUNT

Project: Adam's Garage
Pace Project No.: 10347141

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10347141001	crawlspace-East	TO-15	MJL	8	PASI-M
10347141002	crawlspace-West	TO-15	MJL	8	PASI-M

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ANALYTICAL RESULTS

Project: Adam's Garage
Pace Project No.: 10347141

Sample: crawlspace-East **Lab ID: 10347141001** Collected: 05/02/16 01:45 Received: 05/04/16 10:15 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Benzene	**1.8**	ug/m3	1.2	0.23	1.92		05/06/16 20:36	71-43-2	
Ethylbenzene	**2.4**	ug/m3	1.7	0.82	1.92		05/06/16 20:36	100-41-4	
Methyl-tert-butyl ether	**<0.58**	ug/m3	7.0	0.58	1.92		05/06/16 20:36	1634-04-4	
Toluene	**9.2**	ug/m3	1.5	0.30	1.92		05/06/16 20:36	108-88-3	
1,2,4-Trimethylbenzene	**2.4**	ug/m3	1.9	0.24	1.92		05/06/16 20:36	95-63-6	
1,3,5-Trimethylbenzene	**1.4J**	ug/m3	1.9	0.35	1.92		05/06/16 20:36	108-67-8	
m&p-Xylene	**6.1**	ug/m3	3.4	1.5	1.92		05/06/16 20:36	179601-23-1	
o-Xylene	**1.6J**	ug/m3	1.7	0.67	1.92		05/06/16 20:36	95-47-6	

Sample: crawlspace-West **Lab ID: 10347141002** Collected: 05/02/16 01:50 Received: 05/04/16 10:15 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Benzene	**1.6**	ug/m3	1.3	0.25	2.01		05/06/16 21:03	71-43-2	
Ethylbenzene	**2.3**	ug/m3	1.8	0.85	2.01		05/06/16 21:03	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/m3	7.4	0.61	2.01		05/06/16 21:03	1634-04-4	
Toluene	**10.6**	ug/m3	1.5	0.31	2.01		05/06/16 21:03	108-88-3	
1,2,4-Trimethylbenzene	**6.0**	ug/m3	2.0	0.25	2.01		05/06/16 21:03	95-63-6	
1,3,5-Trimethylbenzene	**2.8**	ug/m3	2.0	0.37	2.01		05/06/16 21:03	108-67-8	
m&p-Xylene	**6.9**	ug/m3	3.6	1.6	2.01		05/06/16 21:03	179601-23-1	
o-Xylene	**2.1**	ug/m3	1.8	0.71	2.01		05/06/16 21:03	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Adam's Garage
Pace Project No.: 10347141

QC Batch: AIR/25863 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10347141001, 10347141002

METHOD BLANK: 2251747 Matrix: Air
Associated Lab Samples: 10347141001, 10347141002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/m3	<0.12	1.0	05/06/16 12:15	
1,3,5-Trimethylbenzene	ug/m3	<0.18	1.0	05/06/16 12:15	
Benzene	ug/m3	<0.12	0.65	05/06/16 12:15	
Ethylbenzene	ug/m3	<0.42	0.88	05/06/16 12:15	
m&p-Xylene	ug/m3	<0.79	1.8	05/06/16 12:15	
Methyl-tert-butyl ether	ug/m3	<0.30	3.7	05/06/16 12:15	
o-Xylene	ug/m3	<0.35	0.88	05/06/16 12:15	
Toluene	ug/m3	<0.15	0.77	05/06/16 12:15	

LABORATORY CONTROL SAMPLE: 2251748

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/m3	50	57.6	115	57-143	
1,3,5-Trimethylbenzene	ug/m3	50	56.2	112	54-147	
Benzene	ug/m3	32.5	33.6	103	62-141	
Ethylbenzene	ug/m3	44.2	47.8	108	59-149	
m&p-Xylene	ug/m3	88.3	97.1	110	59-146	
Methyl-tert-butyl ether	ug/m3	183	214	117	64-135	
o-Xylene	ug/m3	44.2	49.8	113	54-149	
Toluene	ug/m3	38.3	41.2	107	61-138	

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

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: Adam's Garage
Pace Project No.: 10347141

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-M Pace Analytical Services - Minneapolis

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Adam's Garage
Pace Project No.: 10347141

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10347141001	crawlspace-East	TO-15	AIR/25863		
10347141002	crawlspace-West	TO-15	AIR/25863		

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

24744

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Meridian Env. Clty	Report To: Ken Shimko	Attention: Ken Shimko
Address: 2711 N. Elco Rd	Copy To:	Company Name: Meridian Env. Clty WI
Fall Creek WI 54742		Address: 2711 N. Elco Rd, Fall Creek
Email To:	Purchase Order No.:	Pace Quote Reference: 54742
Phone: 715 832 6608 Fax:	Project Name: Adams Garage	Pace Project Manager/Sales Rep.
Requested Due Date/TAT:	Project Number:	Pace Profile #:

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ X mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level II.___ III.___ IV.___ Other___

Valid Media Codes: Tedlar Bag TB; 1 Liter Summa Can 1LC; 6 Liter Summa Can 6LC; Low Volume Puff LVP; High Volume Puff HVP; Other PM10

ITEM #	'Section D Required Client Information AIR SAMPLE ID (Sample IDs MUST BE UNIQUE)	MEDIA CODE	PID Reading (Client only)	COLLECTED Composite Start / Grab DATE	COLLECTED Composite Start / Grab TIME	COLLECTED Composite End DATE	COLLECTED Composite End TIME	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method: PM10	3C- Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO15 Short List*	* PUBC	Pace Lab ID
1	Crawlspace - East	62C		5/1	1:42	5/2	1:45	29	8	2043									X			
2	crawlspace - West	↓		5/1	1:45	5/2	1:50	28	9	2180									X			
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	5/		Matt F / Pace	5/4/16	1015	Amb

SAMPLE CONDITIONS			
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ken Shimko

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5-3-16

ORIGINAL

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414 Air Technical Phone: 612.607.6386

Pace Analytical	Document Name: Air Sample Condition Upon Receipt	Document Revised: 26APR2016 Page 1 of 1
	Document No.: F-MN-A-106-rev.11	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: Meridian Env. Consulting

Project #: WO#: 10347141

10347141

Courier: ☑ Fed Ex ☐ UPS ☐ Speedee ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 6637 5036 4780

Custody Seal on Cooler/Box Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Tin Can ☐ Other: Temp Blank rec: ☐ Yes ☑ No

Temp. (TO17 and TO13 samples only) (°C): — Corrected Temp (°C): — Thermom. Used: ☐ B88A912167504 ☐ B88A0143310098 ☐ 151401163 ☐ 151401164

Temp should be above freezing to 6°C Correction Factor: — Date & Initials of Person Examining Contents: 5-4-16 MT

Type of Ice Received ☐ Blue ☐ Wet ☑ None

				Comments:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☐ Yes	☑ No	☐ N/A	3. Date/time incomplete
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Media: (Air Can) Airbag Filter TDT Passive				11.
Sample Labels Match COC?	☐ Yes	☑ No	☐ N/A	12. NO sample ID's on can tags.

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID
Crawlspace-East	2043	608			
Crawlspace-West	2180	352			

CLIENT NOTIFICATION/RESOLUTION Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Carolynne Trout Date: 5/4/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical
www.pacelabs.com

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

July 18, 2016

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

RE: Project: ADAM'S
Pace Project No.: 40135114

Dear Kenneth Shimko:
Enclosed are the analytical results for sample(s) received by the laboratory on July 13, 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

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

CERTIFICATIONS

Project: ADAM'S
Pace Project No.: 40135114

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

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

SAMPLE SUMMARY

Project: ADAM'S
Pace Project No.: 40135114

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40135114001	3R	Water	07/11/16 00:00	07/13/16 07:20
40135114002	5R	Water	07/11/16 00:00	07/13/16 07:20
40135114003	10	Water	07/11/16 00:00	07/13/16 07:20
40135114004	11	Water	07/11/16 00:00	07/13/16 07:20
40135114005	12	Water	07/11/16 00:00	07/13/16 07:20
40135114006	13A	Water	07/11/16 00:00	07/13/16 07:20
40135114007	13B	Water	07/11/16 00:00	07/13/16 07:20
40135114008	14A	Water	07/11/16 00:00	07/13/16 07:20
40135114009	14B	Water	07/11/16 00:00	07/13/16 07:20
40135114010	15A	Water	07/11/16 00:00	07/13/16 07:20
40135114011	15B	Water	07/11/16 00:00	07/13/16 07:20
40135114012	16	Water	07/11/16 00:00	07/13/16 07:20
40135114013	P-1	Water	07/11/16 00:00	07/13/16 07:20
40135114014	P-2	Water	07/11/16 00:00	07/13/16 07:20
40135114015	D-E	Water	07/11/16 00:00	07/13/16 07:20
40135114016	D-W	Water	07/11/16 00:00	07/13/16 07:20
40135114017	TRIP BLANK	Water	07/11/16 00:00	07/13/16 07:20

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SAMPLE ANALYTE COUNT

Project: ADAM'S
Pace Project No.: 40135114

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40135114001	3R	WI MOD GRO	PMS	9	PASI-G
40135114002	5R	WI MOD GRO	PMS	9	PASI-G
40135114003	10	WI MOD GRO	PMS	9	PASI-G
40135114004	11	WI MOD GRO	PMS	9	PASI-G
40135114005	12	WI MOD GRO	PMS	9	PASI-G
40135114006	13A	WI MOD GRO	PMS	9	PASI-G
40135114007	13B	WI MOD GRO	PMS	9	PASI-G
40135114008	14A	WI MOD GRO	PMS	9	PASI-G
40135114009	14B	WI MOD GRO	PMS	9	PASI-G
40135114010	15A	WI MOD GRO	PMS	9	PASI-G
40135114011	15B	WI MOD GRO	PMS	9	PASI-G
40135114012	16	WI MOD GRO	PMS	9	PASI-G
40135114013	P-1	WI MOD GRO	PMS	9	PASI-G
40135114014	P-2	WI MOD GRO	PMS	9	PASI-G
40135114015	D-E	WI MOD GRO	PMS	9	PASI-G
40135114016	D-W	WI MOD GRO	PMS	9	PASI-G
40135114017	TRIP BLANK	WI MOD GRO	PMS	9	PASI-G

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PROJECT NARRATIVE

Project: ADAM'S
Pace Project No.: 40135114

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: Meridian Environmental Consulting, LLC
Date: July 18, 2016

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

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

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

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

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

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

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

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

QC Batch: 229825

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40135114001

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

- MS (Lab ID: 1364020)
  - 1,3,5-Trimethylbenzene
- MSD (Lab ID: 1364021)
  - 1,3,5-Trimethylbenzene

Additional Comments:

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

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ANALYTICAL RESULTS

Project: ADAM'S
Pace Project No.: 40135114

Sample: 3R **Lab ID: 40135114001** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 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		07/14/16 11:36	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 11:36	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/14/16 11:36	1634-04-4	
Naphthalene	**1.1**	ug/L	1.0	0.42	1		07/14/16 11:36	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 11:36	108-88-3	
1,2,4-Trimethylbenzene	**3.6**	ug/L	1.0	0.42	1		07/14/16 11:36	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 11:36	108-67-8	M1
Xylene (Total)	**2.0J**	ug/L	3.0	1.2	1		07/14/16 11:36	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	106	%	80-120		1		07/14/16 11:36	98-08-8	

Sample: 5R **Lab ID: 40135114002** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 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		07/14/16 12:01	71-43-2	
Ethylbenzene	**1.5**	ug/L	1.0	0.39	1		07/14/16 12:01	100-41-4	
Methyl-tert-butyl ether	**1.1**	ug/L	1.0	0.48	1		07/14/16 12:01	1634-04-4	
Naphthalene	**1.1**	ug/L	1.0	0.42	1		07/14/16 12:01	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 12:01	108-88-3	
1,2,4-Trimethylbenzene	**1.3**	ug/L	1.0	0.42	1		07/14/16 12:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 12:01	108-67-8	
Xylene (Total)	**2.5J**	ug/L	3.0	1.2	1		07/14/16 12:01	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	110	%	80-120		1		07/14/16 12:01	98-08-8	

Sample: 10 **Lab ID: 40135114003** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 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		07/14/16 12:27	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 12:27	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/14/16 12:27	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 12:27	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 12:27	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 12:27	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 12:27	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		07/14/16 12:27	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		07/14/16 12:27	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ADAM'S
Pace Project No.: 40135114

Sample: 11 **Lab ID: 40135114004** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 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		07/14/16 12:52	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 12:52	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/14/16 12:52	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 12:52	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 12:52	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 12:52	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 12:52	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		07/14/16 12:52	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1		07/14/16 12:52	98-08-8	

Sample: 12 **Lab ID: 40135114005** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 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		07/14/16 13:18	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 13:18	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/14/16 13:18	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 13:18	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 13:18	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 13:18	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 13:18	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		07/14/16 13:18	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1		07/14/16 13:18	98-08-8	

Sample: 13A **Lab ID: 40135114006** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 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		07/14/16 13:44	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 13:44	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/14/16 13:44	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 13:44	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 13:44	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 13:44	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 13:44	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		07/14/16 13:44	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1		07/14/16 13:44	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ADAM'S
Pace Project No.: 40135114

Sample: 13B **Lab ID: 40135114007** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1.6**	ug/L	1.0	0.40	1		07/14/16 14:19	71-43-2	
Ethylbenzene	**1.1**	ug/L	1.0	0.39	1		07/14/16 14:19	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/14/16 14:19	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 14:19	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 14:19	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 14:19	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 14:19	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		07/14/16 14:19	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		07/14/16 14:19	98-08-8	

Sample: 14A **Lab ID: 40135114008** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 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		07/14/16 14:45	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 14:45	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/14/16 14:45	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 14:45	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 14:45	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 14:45	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 14:45	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		07/14/16 14:45	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		07/14/16 14:45	98-08-8	

Sample: 14B **Lab ID: 40135114009** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 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		07/14/16 15:10	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 15:10	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/14/16 15:10	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 15:10	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 15:10	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 15:10	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 15:10	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		07/14/16 15:10	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1		07/14/16 15:10	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ADAM'S
Pace Project No.: 40135114

Sample: 15A **Lab ID: 40135114010** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 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		07/15/16 09:52	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		07/15/16 09:52	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/15/16 09:52	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 09:52	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/15/16 09:52	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 09:52	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 09:52	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		07/15/16 09:52	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1		07/15/16 09:52	98-08-8	

Sample: 15B **Lab ID: 40135114011** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 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		07/15/16 10:18	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		07/15/16 10:18	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/15/16 10:18	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 10:18	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/15/16 10:18	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 10:18	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 10:18	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		07/15/16 10:18	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		07/15/16 10:18	98-08-8	

Sample: 16 **Lab ID: 40135114012** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 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		07/15/16 10:59	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		07/15/16 10:59	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/15/16 10:59	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 10:59	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/15/16 10:59	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 10:59	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 10:59	108-67-8	
Xylene (Total)	<1.2	ug/L	3.0	1.2	1		07/15/16 10:59	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		07/15/16 10:59	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ADAM'S
Pace Project No.: 40135114

Sample: P-1 **Lab ID: 40135114013** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**2.4**	ug/L	1.0	0.40	1		07/15/16 11:25	71-43-2	
Ethylbenzene	**43.3**	ug/L	1.0	0.39	1		07/15/16 11:25	100-41-4	
Methyl-tert-butyl ether	**0.52J**	ug/L	1.0	0.48	1		07/15/16 11:25	1634-04-4	
Naphthalene	**0.78J**	ug/L	1.0	0.42	1		07/15/16 11:25	91-20-3	
Toluene	**2.0**	ug/L	1.0	0.39	1		07/15/16 11:25	108-88-3	
1,2,4-Trimethylbenzene	**8.3**	ug/L	1.0	0.42	1		07/15/16 11:25	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 11:25	108-67-8	
Xylene (Total)	**8.4**	ug/L	3.0	1.2	1		07/15/16 11:25	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	106	%	80-120		1		07/15/16 11:25	98-08-8	

Sample: P-2 **Lab ID: 40135114014** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 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		07/15/16 11:50	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		07/15/16 11:50	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/15/16 11:50	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 11:50	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/15/16 11:50	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 11:50	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 11:50	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		07/15/16 11:50	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		07/15/16 11:50	98-08-8	

Sample: D-E **Lab ID: 40135114015** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 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		07/15/16 12:16	71-43-2	
Ethylbenzene	**0.65J**	ug/L	1.0	0.39	1		07/15/16 12:16	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/15/16 12:16	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 12:16	91-20-3	
Toluene	**0.52J**	ug/L	1.0	0.39	1		07/15/16 12:16	108-88-3	
1,2,4-Trimethylbenzene	**0.67J**	ug/L	1.0	0.42	1		07/15/16 12:16	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 12:16	108-67-8	
Xylene (Total)	**2.6J**	ug/L	3.0	1.2	1		07/15/16 12:16	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1		07/15/16 12:16	98-08-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: ADAM'S
Pace Project No.: 40135114

Sample: D-W **Lab ID: 40135114016** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 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		07/15/16 12:41	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		07/15/16 12:41	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/15/16 12:41	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 12:41	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/15/16 12:41	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 12:41	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/15/16 12:41	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		07/15/16 12:41	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		07/15/16 12:41	98-08-8	

Sample: TRIP BLANK **Lab ID: 40135114017** Collected: 07/11/16 00:00 Received: 07/13/16 07:20 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		07/14/16 15:36	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 15:36	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/14/16 15:36	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 15:36	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/14/16 15:36	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 15:36	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/14/16 15:36	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		07/14/16 15:36	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1		07/14/16 15:36	98-08-8	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: ADAM'S
Pace Project No.: 40135114

QC Batch: 229825 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40135114001, 40135114002, 40135114003, 40135114004, 40135114005, 40135114006, 40135114007, 40135114008, 40135114009, 40135114010, 40135114011, 40135114012, 40135114013, 40135114014, 40135114015, 40135114016, 40135114017

METHOD BLANK: 1363627 Matrix: Water
Associated Lab Samples: 40135114001, 40135114002, 40135114003, 40135114004, 40135114005, 40135114006, 40135114007, 40135114008, 40135114009, 40135114010, 40135114011, 40135114012, 40135114013, 40135114014, 40135114015, 40135114016, 40135114017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	07/14/16 08:52	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	07/14/16 08:52	
Benzene	ug/L	<0.40	1.0	07/14/16 08:52	
Ethylbenzene	ug/L	<0.39	1.0	07/14/16 08:52	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	07/14/16 08:52	
Naphthalene	ug/L	<0.42	1.0	07/14/16 08:52	
Toluene	ug/L	<0.39	1.0	07/14/16 08:52	
Xylene (Total)	ug/L	<1.2	3.0	07/14/16 08:52	
a,a,a-Trifluorotoluene (S)	%	98	80-120	07/14/16 08:52	

LABORATORY CONTROL SAMPLE & LCSD: 1363628 1363629

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	20.4	21.5	102	108	80-120	5	20	
1,3,5-Trimethylbenzene	ug/L	20	19.6	20.7	98	104	80-120	5	20	
Benzene	ug/L	20	20.4	21.0	102	105	80-120	3	20	
Ethylbenzene	ug/L	20	19.4	20.3	97	101	80-120	4	20	
Methyl-tert-butyl ether	ug/L	20	19.8	19.9	99	99	80-120	0	20	
Naphthalene	ug/L	20	19.4	20.1	97	101	80-120	4	20	
Toluene	ug/L	20	19.7	20.4	99	102	80-120	4	20	
Xylene (Total)	ug/L	60	59.0	61.5	98	102	80-120	4	20	
a,a,a-Trifluorotoluene (S)	%				100	100	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1364020 1364021

Parameter	Units	40135114001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	3.6	20	20	16.9	18.2	67	73	48-177	7	20	
1,3,5-Trimethylbenzene	ug/L	<0.42	20	20	13.3	14.1	67	71	73-145	6	20	M1
Benzene	ug/L	<0.40	20	20	19.3	19.8	97	99	74-139	3	20	
Ethylbenzene	ug/L	<0.39	20	20	15.2	16.4	76	82	74-140	7	20	
Methyl-tert-butyl ether	ug/L	<0.48	20	20	21.0	20.7	105	103	80-120	2	20	
Naphthalene	ug/L	1.1	20	20	20.4	20.5	96	97	73-133	1	20	
Toluene	ug/L	<0.39	20	20	16.7	17.7	84	88	80-128	5	20	
Xylene (Total)	ug/L	2.0J	60	60	45.9	48.7	73	78	69-143	6	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: ADAM'S
Pace Project No.: 40135114

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1364020 1364021

Parameter	Units	40135114001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
a,a,a-Trifluorotoluene (S)	%						104	102	80-120			HS

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: ADAM'S
Pace Project No.: 40135114

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ADAM'S
Pace Project No.: 40135114

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40135114001	3R	WI MOD GRO	229825		
40135114002	5R	WI MOD GRO	229825		
40135114003	10	WI MOD GRO	229825		
40135114004	11	WI MOD GRO	229825		
40135114005	12	WI MOD GRO	229825		
40135114006	13A	WI MOD GRO	229825		
40135114007	13B	WI MOD GRO	229825		
40135114008	14A	WI MOD GRO	229825		
40135114009	14B	WI MOD GRO	229825		
40135114010	15A	WI MOD GRO	229825		
40135114011	15B	WI MOD GRO	229825		
40135114012	16	WI MOD GRO	229825		
40135114013	P-1	WI MOD GRO	229825		
40135114014	P-2	WI MOD GRO	229825		
40135114015	D-E	WI MOD GRO	229825		
40135114016	D-W	WI MOD GRO	229825		
40135114017	TRIP BLANK	WI MOD GRO	229825		

Page 1 of 2

40135114

Page 10 of 18

(Please Print Clearly)

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

Pace Analytical®
www.pacelabs.com

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

CHAIN OF CUSTODY

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

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

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

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

Matrix Codes

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: pvoc+mugh	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	3R	7-11		GW			X		3-40mlVB	
002	5R									
003	10									
004	11									
005	12									
006	13A									
007	13B									
008	14A									
009	14B									
010	15A									
011	15B									
012	16									

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dunbar	7-13-16 0720	mmcKnight	7/13/16 0720

See pg. 2

PACE Project No.
40135114

Receipt Temp = RO1 °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

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CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	Meridian R. C.
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	
Project Number:	
Project Name:	Adam's
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Ken Shimko
Mail To Company:	Meridian R. C.
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

FILTERED? (YES/NO) — Y/N
PRESERVATION (CODE)* — Pick Letter

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: PVOC+Naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
013	P-1	7/11		GW	X		3-40mlVB	
014	P-2	↓		↓	↓		↓	
015	D-E							
016	D-W						2-40mlVB	
017	tripblank①							

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	7-12-16 9a	Dunham	7-13-16 9a
Dunham 7131	0720	mai mckay face 7131	0720

PACE Project No.: 4035114
Receipt Temp = R01 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

① tripblank added to COC per Lab. mm 7131

ORIGINAL

Sample Condition Upon Receipt

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

Pace Analytical™

Project # **WO#: 40135114**

40135114

Client Name: meridian

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

Tracking #: 1101348

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: RD1 /Corr: **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 7-13-16
Initials: mm

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

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. Branch/location phone Project #.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3. Page 1 of 2 not relinq.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. no collect date on vials: mm no collect time on vials 7-13-16
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct COC. mm 71316
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes ☐No ☑N/A	
exceptions: VOA coliform, TOC, TOX, TOH, O&G, WIDRO, Phenolics, OTHER:	☑Yes ☐No	Initial when completed / Lab Std #ID of preservative / Date/Time:
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	14.
Trip Blank Present:	☑Yes ☐No ☐N/A	15.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 357		

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

Person Contacted: Date/Time:

Comments/ Resolution: 0 trip blank added to COC. mm 71316
DI2 out of sediment. mm 71316

Project Manager Review: [signature] **Date:** 7-13-16

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

August 19, 2016

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

RE: Project: Adam's Garage
Pace Project No.: 10358235

Dear Kenneth Shimko:
Enclosed are the analytical results for sample(s) received by the laboratory on August 08, 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,

Carolynne Trout

Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: Adam's Garage
Pace Project No.: 10358235

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
525 N 8th Street, Salina, KS 67401
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

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(612)607-1700

SAMPLE SUMMARY

Project: Adam's Garage
Pace Project No.: 10358235

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10358235001	Crawlspace-East	Air	08/03/16 06:46	08/08/16 09:30
10358235002	Crawlspace-West	Air	08/03/16 06:46	08/08/16 09:30

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SAMPLE ANALYTE COUNT

Project: Adam's Garage
Pace Project No.: 10358235

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10358235001	Crawlspace-East	TO-15	DR1	8	PASI-M
10358235002	Crawlspace-West	TO-15	DR1	8	PASI-M

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ANALYTICAL RESULTS

Project: Adam's Garage
Pace Project No.: 10358235

Sample: Crawlspace-East **Lab ID: 10358235001** Collected: 08/03/16 06:46 Received: 08/08/16 09:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Benzene	**5.8**	ug/m3	2.2	0.82	6.76		08/17/16 23:52	71-43-2	
Ethylbenzene	**<2.9**	ug/m3	5.9	2.9	6.76		08/17/16 23:52	100-41-4	
Methyl-tert-butyl ether	**<2.0**	ug/m3	24.8	2.0	6.76		08/17/16 23:52	1634-04-4	
Toluene	**19.2**	ug/m3	5.2	1.0	6.76		08/17/16 23:52	108-88-3	
1,2,4-Trimethylbenzene	**8.0**	ug/m3	6.8	0.84	6.76		08/17/16 23:52	95-63-6	
1,3,5-Trimethylbenzene	**3.1J**	ug/m3	6.8	1.2	6.76		08/17/16 23:52	108-67-8	
m&p-Xylene	**9.7J**	ug/m3	12.0	5.3	6.76		08/17/16 23:52	179601-23-1	
o-Xylene	**3.5J**	ug/m3	5.9	2.4	6.76		08/17/16 23:52	95-47-6	

Sample: Crawlspace-West **Lab ID: 10358235002** Collected: 08/03/16 06:46 Received: 08/08/16 09:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Benzene	**7.2**	ug/m3	0.50	0.19	1.55		08/18/16 00:24	71-43-2	
Ethylbenzene	**2.3**	ug/m3	1.4	0.66	1.55		08/18/16 00:24	100-41-4	
Methyl-tert-butyl ether	**<0.47**	ug/m3	5.7	0.47	1.55		08/18/16 00:24	1634-04-4	
Toluene	**19.4**	ug/m3	1.2	0.24	1.55		08/18/16 00:24	108-88-3	
1,2,4-Trimethylbenzene	**2.0**	ug/m3	1.5	0.19	1.55		08/18/16 00:24	95-63-6	
1,3,5-Trimethylbenzene	**0.60J**	ug/m3	1.5	0.28	1.55		08/18/16 00:24	108-67-8	
m&p-Xylene	**7.1**	ug/m3	2.7	1.2	1.55		08/18/16 00:24	179601-23-1	
o-Xylene	**1.7**	ug/m3	1.4	0.54	1.55		08/18/16 00:24	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Adam's Garage
Pace Project No.: 10358235

QC Batch: 431241 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10358235001, 10358235002

METHOD BLANK: 2345499 Matrix: Air
Associated Lab Samples: 10358235001, 10358235002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/m3	<0.12	1.0	08/17/16 08:48	
1,3,5-Trimethylbenzene	ug/m3	<0.18	1.0	08/17/16 08:48	
Benzene	ug/m3	<0.12	0.32	08/17/16 08:48	
Ethylbenzene	ug/m3	<0.42	0.88	08/17/16 08:48	
m&p-Xylene	ug/m3	<0.79	1.8	08/17/16 08:48	
Methyl-tert-butyl ether	ug/m3	<0.30	3.7	08/17/16 08:48	
o-Xylene	ug/m3	<0.35	0.88	08/17/16 08:48	
Toluene	ug/m3	<0.15	0.77	08/17/16 08:48	

LABORATORY CONTROL SAMPLE: 2345500

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/m3	50	53.8	108	57-143	
1,3,5-Trimethylbenzene	ug/m3	50	53.0	106	54-147	
Benzene	ug/m3	32.5	36.4	112	62-141	
Ethylbenzene	ug/m3	44.2	52.5	119	59-149	
m&p-Xylene	ug/m3	88.3	104	118	59-146	
Methyl-tert-butyl ether	ug/m3	91.6	84.2	92	64-135	
o-Xylene	ug/m3	44.2	52.4	119	54-149	
Toluene	ug/m3	38.3	46.8	122	61-138	

SAMPLE DUPLICATE: 2345948

Parameter	Units	10358203002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/m3	2.0	1.9	7	25	
1,3,5-Trimethylbenzene	ug/m3	ND	<0.27		25	
Benzene	ug/m3	1.4	1.3	5	25	
Ethylbenzene	ug/m3	1.4	1.3	6	25	
m&p-Xylene	ug/m3	4.8	4.4	8	25	
Methyl-tert-butyl ether	ug/m3	ND	<0.45		25	
o-Xylene	ug/m3	1.7	1.6	7	25	
Toluene	ug/m3	8.7	8.7	0	25	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Adam's Garage
Pace Project No.: 10358235

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-M Pace Analytical Services - Minneapolis

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(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Adam's Garage
Pace Project No.: 10358235

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10358235001	Crawlspace-East	TO-15	431241		
10358235002	Crawlspace-West	TO-15	431241		

10358235

Pace Analytical®
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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

20107

Section A Required Client Information:

Company: Meridian Env. Clty
Address: 2711 N. Elco Rd
Fall Creek, WI 54742
Email To: kshinko.meridianenv@gmail.com
Phone: 715 832 6608 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Ken Shinko
Copy To:
Purchase Order No.:
Project Name: Adams Garage
Project Number:

Section C Invoice Information:

Attention: Ken Shinko
Company Name: Meridian Env. Clty., LLC
Address: 2711 N. Elco Rd, Fall Creek, WI 54742
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ ___ mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level: II.___ III.___ IV.___ Other ___

Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

Method: PM10 | 3C- Fixed Gas (%) | TO-3 | TO-3M (Methane) | TO-4 (PCBs) | TO-13 (PAH) | TO-14 | TO-15 | TO15 Short List* | *PVOC 2

ITEM #	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START / END/GRAB DATE	COLLECTED COMPOSITE START / END/GRAB TIME	COLLECTED COMPOSITE - DATE	COLLECTED COMPOSITE - TIME	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	TO15 Short List*	Pace Lab ID
1	6L	⊖	8/2/16	6:26	8/3/16	6:46	27	24	2064		X	001
2	6L	⊖	↓	6:26	↓	6:46	27	3	2703		X	002
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	8/5/16	3:30 pm	Fed. Ex.	8/5/16	3:30 pm
				8/8/16	0930

SAMPLE CONDITIONS

	Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
		Y/N	Y/N	Y/N
AMB		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kenneth Shinko

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY): 8/5/16

ORIGINAL

Pace Analytical	Document Name: Air Sample Condition Upon Receipt	Document Revised: 26APR2016 Page 1 of 1
	Document No.: F-MN-A-106-rev.11	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: Meridian Env. Cons. Project #: WO#: 10358235

10358235

Courier: ☒ Fed Ex ☐ UPS ☐ Speedee ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 6637 5038 1095

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: Temp Blank rec: ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): X Corrected Temp (°C): Y Thermom. Used: ☐ B88A912167504 ☐ B88A0143310098 ☐ 151401163 ☐ 151401164

Temp should be above freezing to 6°C Correction Factor: X Date & Initials of Person Examining Contents: 8/8/16

Type of ice Received ☐ Blue ☐ Wet ☒ None

				Comments:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☒ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☒ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	7.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	10.
Media: (Air Can) Airbag Filter TDT Passive				11.
Sample Labels Match COC?	☒ Yes	☐ No	☐ N/A	12.

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID
	2064	0748			
	2703	0767			

CLIENT NOTIFICATION/RESOLUTION Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Carolyne Trust Date: 8/8/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)