



April 14, 2013

Pat Collins  
Wisconsin Department of Natural Resources  
890 Spruce St.  
Baldwin, Wisconsin 54002

Subject: **Progress Report and Change Order**  
Corner Store  
100 Tonnar St (Hwy. 25)  
Ridgeland, Wisconsin  
BRRTS No. 03-17-223007  
Commerce No. 54763-9623-02  
Meridian No. 05F761

Dear Pat:

This letter provides the results of ground water sampling completed at the Corner Store site in Ridgeland, Wisconsin during the past year.

The monitoring wells were sampled July 27 and October 16, 2012 and January 18, 2013. Based on the sampling results, we recommend the site be submitted for Closure with GIS Registry for Soil and Ground Water.

The reader is referred to file reports for a detailed description of the site and previous work.

### RECENT WORK

The monitoring wells (Figure 1) were sampled three times (July 27 and October 16, 2012 and January 18, 2013). Samples were also collected from the onsite water supply (labeled "Store") as well as the Amundson residence and the water supply at the nearby Park. The analytical reports are provided in Appendix A and summarized in Table 1. The water levels were measured in the monitoring wells (Table 2).

### DATA EVALUATION

#### Hydrogeology

The landscape around Ridgeland is agricultural with ridges and valleys. Regional drainage is to the north into the South Fork of Lower Pine Creek. The site itself is relatively flat with local surface drainage in a northerly direction.

The site geology consists of 30 to 45 feet of fine to medium, well-sorted sand overlying sandstone bedrock (Figure 2). Ground water is typically quite shallow (within 10 feet of grade) across the Village. The Village does not have a public water supply so residents utilize the shallow ground water for water supply. Many of the private wells are less than 50 feet deep. Sand points are still used in some houses (e.g., Amundsen house directly north of site).

The ground water level measurements indicate ground water flow is northwesterly (Figure 3). The ground water levels are relatively stable (Figure 4).

There appears to be a slight, downward vertical gradient beneath the site based on the water levels measured in MW-6 and PZ-1 (Table 2).

#### Extent of Impacted Soil

The extent of impacted soil was defined with the soil borings. A remedial excavation removed most of the accessible impacted soil. Residual impacted soil remains around the perimeter of the excavation. The concentrations are minor and do not warrant further investigation or remediation.

We do not recommend any further work with respect to soil contamination.

#### Extent of Impacted Ground Water

The extent of impacted ground water is generally defined horizontally and vertically. A plume of impacted ground water extends northwesterly across the street (Figure 5).

The primary concern of this plume is its potential to impact the drinking water well (sand point) at the Amundson residence. Based on the sampling data, it appears the impacted ground water does not impact the Amundson well. The plume geometry appears to trend northwestward away from the Amundson well.

#### Vapor Intrusion

The DNR published *Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin* in December 2010. This guidance suggests that vapor intrusion is not a concern if there is “5 feet of clean, unsaturated soil with an oxygen content  $\geq 5\%$  between the residual petroleum and the building”. In addition, the guidance suggests that vapor intrusion should be investigated if “benzene concentration in ground water underlying a building is  $> 1000$  ppb and there is less than 20 feet of unsaturated soil between the ground water and the building foundation”.

There are two buildings that were evaluated using these criteria: the site building and the Amundson residence.

The site building is of steel construction sitting on a cement slab. Soil within 5 feet of the onsite building appears to have concentrations below NR720 and NR746 Table Values. No petroleum odors have been detected in the building. In our opinion, the concentrations in the soil are low enough so that vapor intrusion is not of concern.

The Amundson residence has a basement about 4 feet below grade. The basement is stone and concrete and appears to be maintained. The house is greater than 5 feet away from contaminated soil. Benzene concentrations in the ground water, if any, are well below the 1000 ppb criteria noted in the guidance.

### CONCLUSIONS

Based on the available data, we have the following conclusions:

- The petroleum system has been removed from the site.
- The extent of impacted soil has been defined and adequately remediated. The remedial excavation successfully removed source soils from the site. Residual petroleum impacts remain around the perimeter of the excavation and at the capillary fringe.
- The vertical and horizontal extent of impacted ground water is defined adequately.
- None of the private well samples had petroleum impacts.

### RECOMMENDATIONS

We recommend the site be submitted for Closure with GIS Registry for Soil and Ground Water. The monitoring wells will be abandoned after Closure is granted.

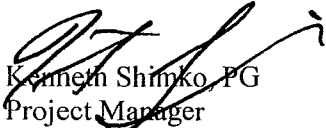
### COST ESTIMATE

Attached is a cost estimate to prepare the Closure documents and abandon the monitoring wells.

Please contact us with any comments or questions.

Sincerely,

**MERIDIAN ENVIRONMENTAL CONSULTING, LLC**

  
Kenneth Shimko, PG  
Project Manager

C: Brad Shipley  
Tim Zeichert

# **CHANGE ORDER**

Usual & Customary Standardized Invoice

PECFA #: 54763-9623-02

Vendor Name: Change Order

BRRT's #: 03-17-223007

Invoice #: Change Order

Site Name: Corner Store

Invoice Date: April 2013

Site Address: Ridgeland

Check #: Change Order

Personal information you provide may be used for a secondary purposes [Privacy Law, s. 15.04 (1) (m), Stats.].

TASK CODE/ACTIVITY REFERENCE CODE	TASK DESCRIPTIONS/ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAXIMUM REIMBURSEABLE UNIT COST	UNITS INVOICED	UNIT COST CLAIMED	AMOUNT CLAIMED
GS30	Temp Well Abandonment (T1)	WELL	\$25.70	1.00	\$ 25.70	\$ 25.70
<b>5 CLOSURE REQUEST</b>						
CR05	Primary Closure Request	SUBMITTAL	\$1,969.50		\$ -	\$ 1,969.50
CR15	GIS Packet Submittal (For Source Property only)	PACKET	\$483.20	1.00	\$ 483.20	\$ 483.20
CR20	GIS Packet Submittal (For off-site Properties only)	PER ADDITIONAL PROPERTY	\$212.10	2.00	\$ 212.10	\$ 424.20
<b>8 WELL ABANDONMENT</b>						
CONSULTANT SERVICES						
WAB05	Coordination	SITE	\$155.10	1.00	\$ 155.10	\$ 155.10
WAB10	Water column < 30 ft	FT	\$2.40	115.00	\$ 2.40	\$ 276.00
WAB15	Water column > 30 ft	FT	\$8.40		\$ -	\$ -
WAB20	Bentonite Pellets (50lb bag - 1/4" pellet)	BAG	\$10.30	4.00	\$ 10.30	\$ 41.20
WAB25	Portland Cement (94lb bag)	BAG	\$7.80		\$ -	\$ -
WAB30	Primary Mob/Demob	SITE	\$345.00	1.00	\$ 345.00	\$ 345.00
<b>36 CHANGE ORDER REQUEST (includes cost cap exceedence requests)</b>						
COR05	Change Order Request	CHANGE ORDER	\$363.60	1.00	\$ 363.60	\$ 363.60
<b>TOTAL AMOUNT CLAIMED</b>						<b>\$ 4,057.80</b>

# TABLES



**Table 2: Ground Water Measurements**

Corner Store  
Ridgeland, WI  
Meridian No. 05F761

MW-1			MW-2			MW-2R (installed 5/31/11)			MW-3		
Surface Elevation (ft)		100.5	Surface Elevation (ft)		100.66	Surface Elevation (ft)		99.75	Surface Elevation (ft)		99.00
Top of Casing Elevation (ft)		100	Top of Casing Elevation (ft)		100.16	Top of Casing Elevation (ft)		99.51	Top of Casing Elevation (ft)		98.95
Top of Screen Elevation (ft)		95.7	Top of Screen Elevation (ft)		95.16	Top of Screen Elevation (ft)		96.00	Top of Screen Elevation (ft)		94.00
Bottom of Screen Elevation (ft)		85.7	Bottom of Screen Elevation (ft)		85.16	Bottom of Screen Elevation (ft)		86.00	Bottom of Screen Elevation (ft)		84.00
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)
6/22/2010	5.57	94.43	6/22/2010	6.93	93.23				6/22/2010	6.01	92.94
9/21/2010	5.1	94.9	9/21/2010	6.6	93.56				9/21/2010	5.59	93.36
6/9/2011	3.8	96.2	destroyed during excavation 5/24/11			6/9/2011	4.31	95.20	6/9/2011	4.64	94.31
9/28/2011	4.01	95.99				9/28/2011	4.54	94.97	9/28/2011	4.85	94.10
7/27/2012	4.59	95.41				7/27/2012	5.07	94.44	7/27/2012	5.45	93.50
10/16/2012	5.93	94.07				10/16/2012	6.3	93.21	10/16/2012	6.59	92.36
1/18/2013	could not locate - snow					1/18/2013	could not locate - ice		1/18/2013	6.82	92.13

MW-4			MW-5 (installed 5/31/11)			MW-6 (installed 5/31/11)			MW-7 (installed 6/1/11)		
Surface Elevation (ft)		100.14	Surface Elevation (ft)		98.75	Surface Elevation (ft)		98.25	Surface Elevation (ft)		100.25
Top of Casing Elevation (ft)		99.64	Top of Casing Elevation (ft)		98.45	Top of Casing Elevation (ft)		98.04	Top of Casing Elevation (ft)		100.05
Top of Screen Elevation (ft)		94.64	Top of Screen Elevation (ft)		94.75	Top of Screen Elevation (ft)		94.25	Top of Screen Elevation (ft)		96.25
Bottom of Screen Elevation (ft)		84.64	Bottom of Screen Elevation (ft)		84.75	Bottom of Screen Elevation (ft)		84.25	Bottom of Screen Elevation (ft)		86.25
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)
6/22/2010	6.16	93.48									
9/21/2010	5.72	93.92									
6/9/2011	4.64	95.00	6/9/2011	4.15	94.30	6/9/2011	4.29	93.75	6/9/2011	5.53	94.52
9/28/2011	4.88	94.76	9/28/2011	4.33	94.12	9/28/2011	4.48	93.56	9/28/2011	5.82	94.23
7/27/2012	5.41	94.23	7/27/2012	4.85	93.60	7/27/2012	5.05	92.99	7/27/2012	6.29	93.76
10/16/2012	6.58	93.06	10/16/2012	6.01	92.44	10/16/2012	6.1	91.94	10/16/2012	7.48	92.57
1/18/2013	6.78	92.86	1/18/2013	6.2	92.25	1/18/2013	6.26	91.78	1/18/2013	7.67	92.38

MW-8 (installed 6/1/11)			PZ-1 (installed 5/31/11)			TMW		
Surface Elevation (ft)		98.00	Surface Elevation (ft)		98.00	Surface Elevation (ft)		99.46
Top of Casing Elevation (ft)		97.84	Top of Casing Elevation (ft)		97.89	Top of Casing Elevation (ft)		99.21
Top of Screen Elevation (ft)		94.00	Top of Screen Elevation (ft)		73.00	Top of Screen Elevation (ft)		94.46
Bottom of Screen Elevation (ft)		84.00	Bottom of Screen Elevation (ft)		68.00	Bottom of Screen Elevation (ft)		84.46
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)
						6/22/2010	6.43	91.46
						9/21/2010	5.8	92.09
6/9/2011	4.97	92.87	6/9/2011	4.22	93.67	6/9/2011	4.79	93.10
9/28/2011	5.15	92.69	9/28/2011	4.4	93.49	9/28/2011	5.02	92.87
7/27/2012	5.65	92.19	7/27/2012	4.96	92.93	7/27/2012	5.62	92.27
10/16/2012	6.65	91.19	10/16/2012	6.03	91.86	10/16/2012	6.8	91.09
1/18/2013	6.78	91.06	1/18/2013	6.18	91.71	1/18/2013	7.1	90.79

**Vertical Gradient Measurements (between MW-6 and PZ-1)**

**Free Product Measurements (MW-2)**

Well	6/9/2011	9/28/2011	7/27/2012	10/16/2012	1/18/2012	Date	PT (in)	Bail (gallons)
MW-6	93.75	93.56	92.99	91.94	91.78	June 22, 2010	5	3
PZ-1	93.67	93.49	92.93	91.86	91.71	July 29, 2010	10	3
Gradient	downward	downward	downward	downward	downward	September 21, 2010	2	3



## **FIGURES**



● Park Well

MW-8

Amundson

Garage

Rosen

PZ-1 MW-6

MW-5

Sewer

E MAIN STREET

Crosby-Nelson

MW-7

MW-3

TMW-1

SB-10

PRIVATE WELL

MW-2R

P3

P1

P2

P2

SB-5

SB-8

SB-11

T1

T2

T3

T4

CORNER STORE

FORMER TANKS

4K Tank (removed)

Auto Repair & Sales

HIGHWAY 25

Excavation

MW-1

Approx. Property Boundary

Legend

- Private Well
- T Buried Telephone Line
- E Buried Electrical Line

0 10 20 30 40 50



approximate scale (ft)

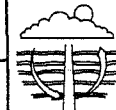
Figure 1  
 Site Map  
 Fosters Corner Store  
 Ridgeland, Wisconsin

PROJECT NO.  
05F761

PREPARED BY  
KAS

DATE  
4/15/13

REVIEWED BY  
KAS



Meridian  
Environmental  
Consulting, LLC

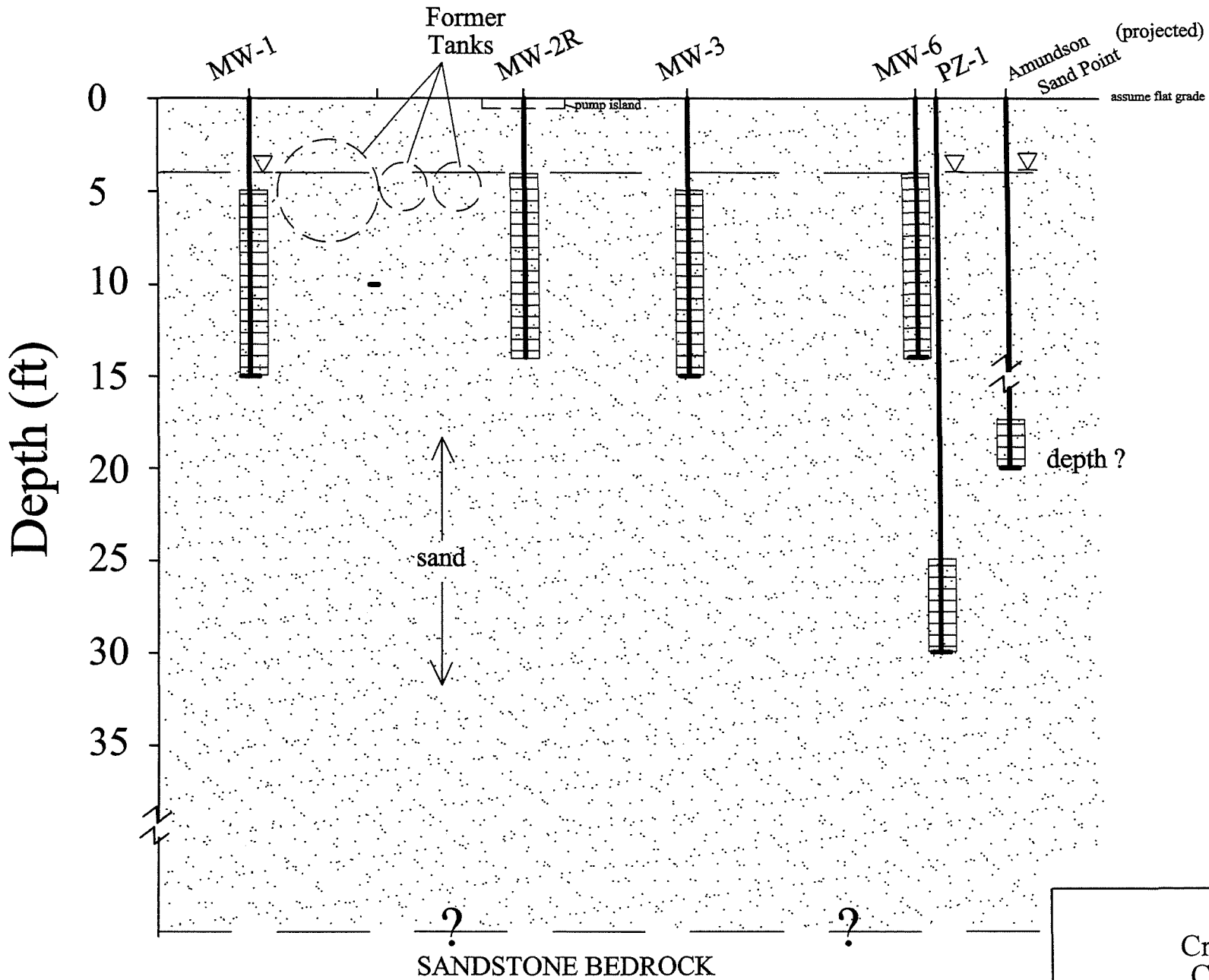
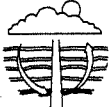
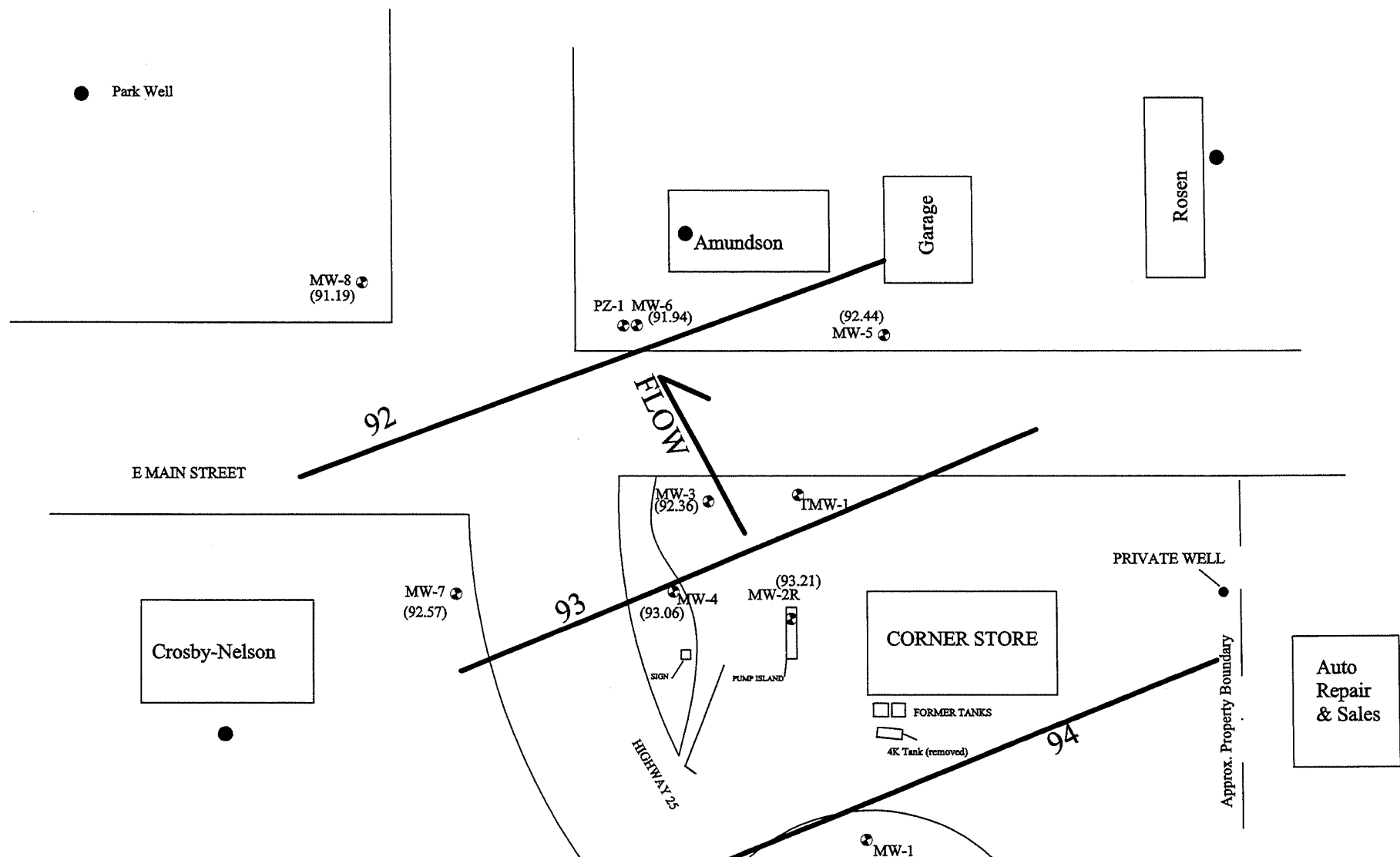


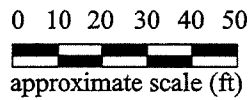
Figure 2  
Cross-Section  
Corner Store  
Ridgeland, WI

PROJECT NO. 05F761	PREPARED BY KAS	 Meridian Environmental Consulting, LLC
DATE 4/15/13	REVIEWED BY KAS	




**Legend**

- Private Well
- T Buried Telephone Line
- E Buried Electrical Line

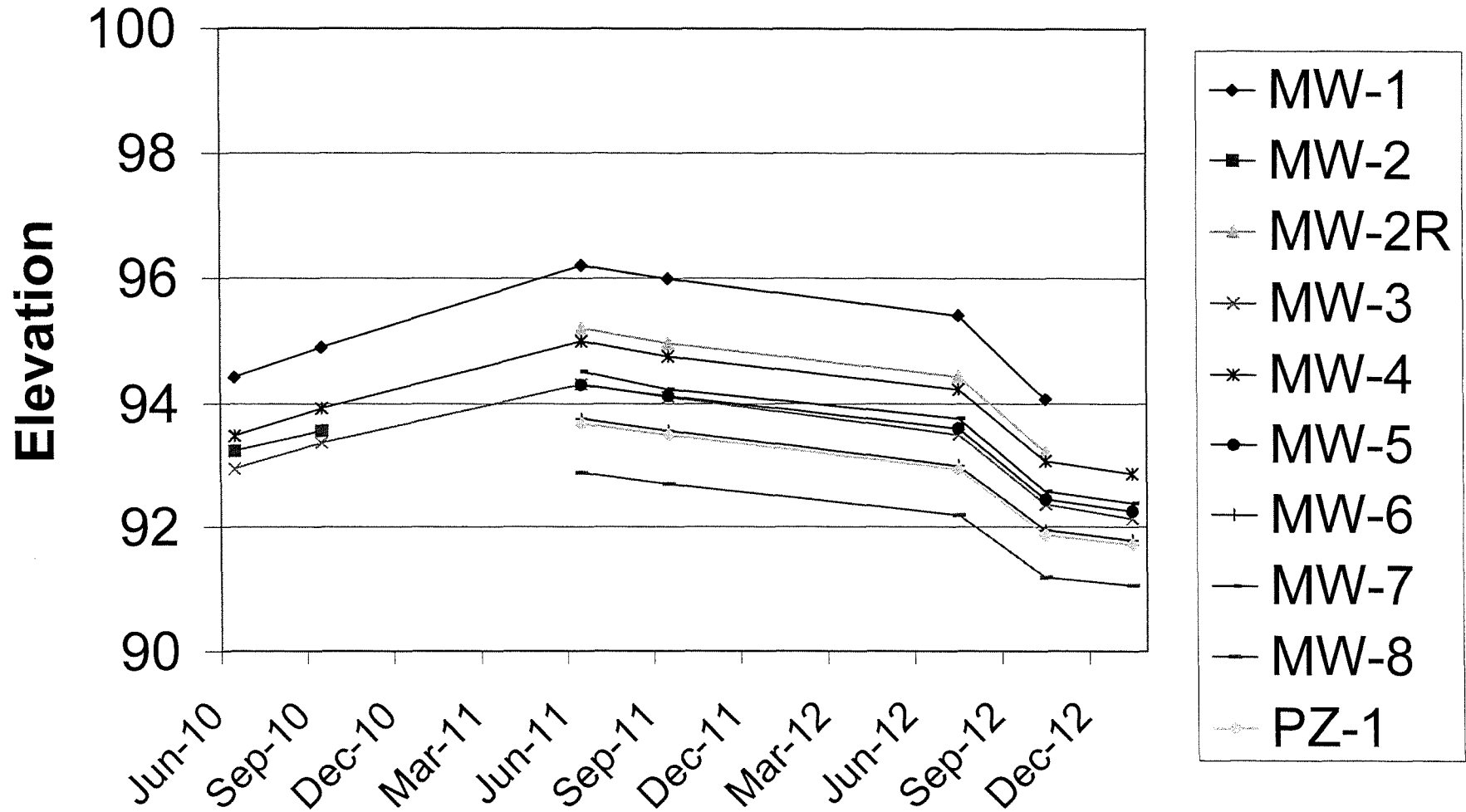


**Figure 3**  
**Ground Water Table (10/16/12)**  
**Fosters Corner Store**  
**Ridgeland, Wisconsin**

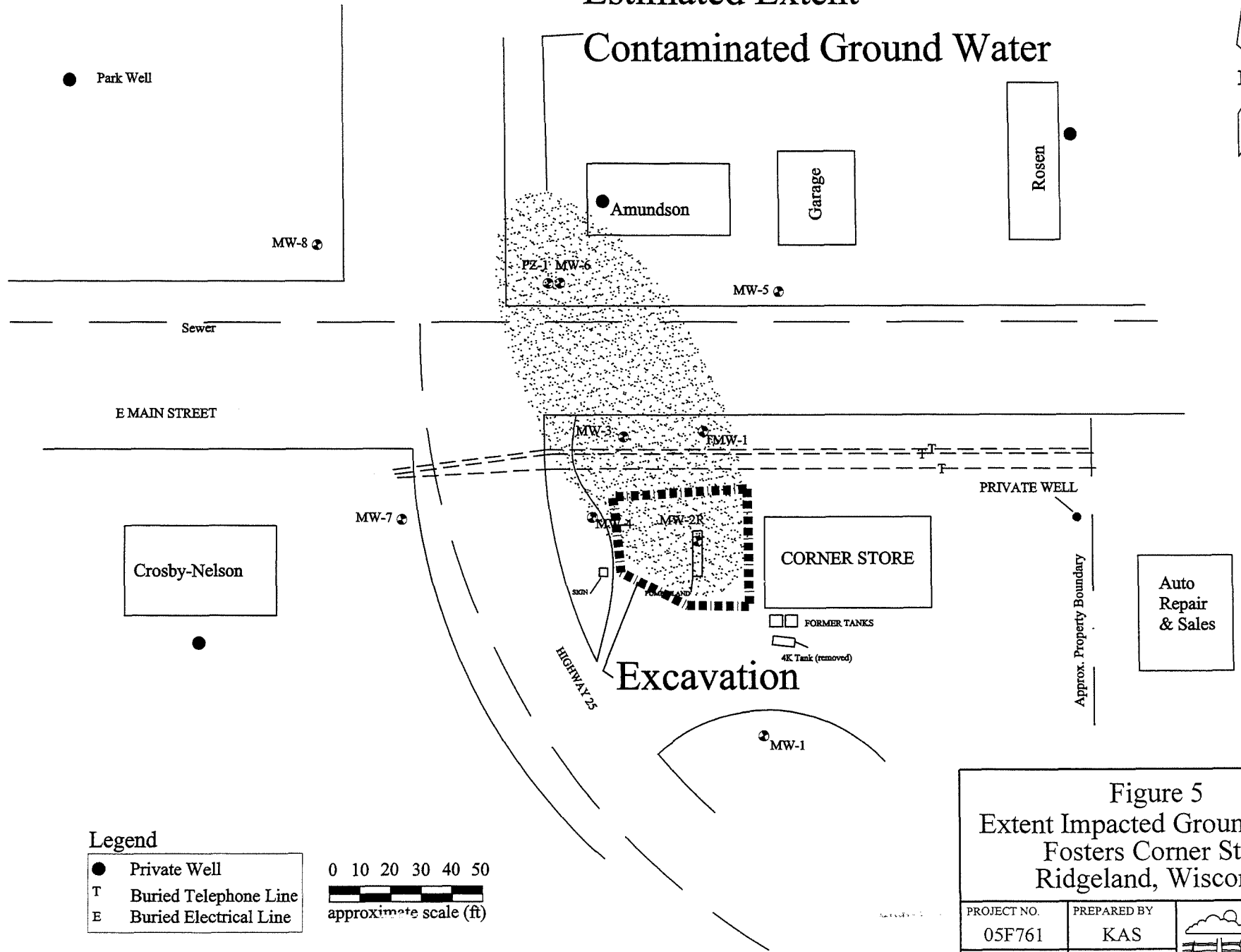
PROJECT NO. 05F761	PREPARED BY KAS	
DATE 4/15/13	REVIEWED BY KAS	

Meridian Environmental Consulting, LLC

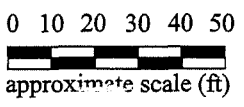
# Figure 4: Hydrograph




# Estimated Extent Contaminated Ground Water



- Legend**
- Private Well
  - T Buried Telephone Line
  - E Buried Electrical Line



**Figure 5**  
**Extent Impacted Ground Water**  
**Fosters Corner Store**  
**Ridgeland, Wisconsin**

PROJECT NO. 05F761	PREPARED BY KAS	 Meridian Environmental Consulting, LLC
DATE 4/15/13	REVIEWED BY KAS	

**APPENDIX A**  
**ANALYTICAL RESULTS**



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

August 03, 2012

Kennith Shimko  
Meridain Environmental Consulting, LLC  
2711 North Elco Rd  
Fall Creek, WI 54742

RE: Project: FOSTERS  
Pace Project No.: 4064225

Dear Kennith Shimko:

Enclosed are the analytical results for sample(s) received by the laboratory on July 28, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Brian Basten

brian.basten@pacelabs.com  
Project Manager

Enclosures



**REPORT OF LABORATORY ANALYSIS**

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..





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

### CERTIFICATIONS

Project: FOSTERS  
Pace Project No.: 4064225

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#### 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

New York Certification #: 11888  
North Carolina Certification #: 503  
North Dakota Certification #: R-150  
South Carolina Certification #: 83006001  
US Dept of Agriculture #: S-76505  
Wisconsin Certification #: 405132750

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### SAMPLE SUMMARY

Project: FOSTERS  
Pace Project No.: 4064225

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4064225001	MW-1	Water	07/27/12 00:00	07/28/12 09:20
4064225002	MW-2R	Water	07/27/12 00:00	07/28/12 09:20
4064225003	MW-3	Water	07/27/12 00:00	07/28/12 09:20
4064225004	MW-4	Water	07/27/12 00:00	07/28/12 09:20
4064225005	MW-5	Water	07/27/12 00:00	07/28/12 09:20
4064225006	MW-6	Water	07/27/12 00:00	07/28/12 09:20
4064225007	MW-7	Water	07/27/12 00:00	07/28/12 09:20
4064225008	MW-8	Water	07/27/12 00:00	07/28/12 09:20
4064225009	PZ-1	Water	07/27/12 00:00	07/28/12 09:20
4064225010	T-1	Water	07/27/12 00:00	07/28/12 09:20
4064225011	AMUNDSEN	Water	07/27/12 00:00	07/28/12 09:20
4064225012	STORE	Water	07/27/12 00:00	07/28/12 09:20
4064225013	PARK	Water	07/27/12 00:00	07/28/12 09:20
4064225014	TRIP BLANK	Water	07/27/12 00:00	07/28/12 09:20

### REPORT OF LABORATORY ANALYSIS



### SAMPLE ANALYTE COUNT

Project: FOSTERS  
Pace Project No.: 4064225

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4064225001	MW-1	WI MOD GRO	LCM	9	PASI-G
4064225002	MW-2R	WI MOD GRO	LCM	9	PASI-G
4064225003	MW-3	WI MOD GRO	LCM	9	PASI-G
4064225004	MW-4	WI MOD GRO	LCM	9	PASI-G
4064225005	MW-5	WI MOD GRO	LCM	9	PASI-G
4064225006	MW-6	WI MOD GRO	LCM	9	PASI-G
4064225007	MW-7	WI MOD GRO	LCM	9	PASI-G
4064225008	MW-8	WI MOD GRO	LCM	9	PASI-G
4064225009	PZ-1	WI MOD GRO	LCM	9	PASI-G
4064225010	T-1	WI MOD GRO	LCM	9	PASI-G
4064225011	AMUNDSEN	WI MOD GRO	LCM	9	PASI-G
4064225012	STORE	WI MOD GRO	LCM	9	PASI-G
4064225013	PARK	WI MOD GRO	LCM	9	PASI-G
4064225014	TRIP BLANK	WI MOD GRO	LCM	9	PASI-G

### REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: FOSTERS  
Pace Project No.: 4064225

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**Method:** WI MOD GRO  
**Description:** WIGRO GCV  
**Client:** Meridian Environmental Consulting, LLC  
**Date:** August 03, 2012

**General Information:**

14 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

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

**Initial Calibrations (including MS Tune as applicable):**

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

**Continuing Calibration:**

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

**Internal Standards:**

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

**Surrogates:**

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

**Method Blank:**

All analytes were below the report limit in the method blank 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/8774

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 4064147001

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

- MS (Lab ID: 645762)
- 1,2,4-Trimethylbenzene

**Additional Comments:**

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

## REPORT OF LABORATORY ANALYSIS



**ANALYTICAL RESULTS**

Project: FOSTERS  
 Pace Project No.: 4064225

Sample: MW-1      Lab ID: 4064225001      Collected: 07/27/12 00:00      Received: 07/28/12 09:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		08/02/12 02:14	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		08/02/12 02:14	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		08/02/12 02:14	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		08/02/12 02:14	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		08/02/12 02:14	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		08/02/12 02:14	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		08/02/12 02:14	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		08/02/12 02:14	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	102 %		80-120		1		08/02/12 02:14	98-08-8	

Sample: MW-2R      Lab ID: 4064225002      Collected: 07/27/12 00:00      Received: 07/28/12 09:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	304	ug/L	1.0	0.39	1		08/02/12 02:40	71-43-2	
Ethylbenzene	223	ug/L	1.0	0.41	1		08/02/12 02:40	100-41-4	
Methyl-tert-butyl ether	2.4	ug/L	1.0	0.38	1		08/02/12 02:40	1634-04-4	
Naphthalene	55.9	ug/L	1.0	0.40	1		08/02/12 02:40	91-20-3	
Toluene	120	ug/L	1.0	0.42	1		08/02/12 02:40	108-88-3	
1,2,4-Trimethylbenzene	175.9 151	ug/L	1.0	0.43	1		08/02/12 02:40	95-63-6	
1,3,5-Trimethylbenzene	24.9	ug/L	1.0	0.40	1		08/02/12 02:40	108-67-8	
Xylene (Total)	242	ug/L	3.0	1.3	1		08/02/12 02:40	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	106 %		80-120		1		08/02/12 02:40	98-08-8	

Sample: MW-3      Lab ID: 4064225003      Collected: 07/27/12 00:00      Received: 07/28/12 09:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	1420	ug/L	10.0	3.9	10		08/02/12 00:57	71-43-2	
Ethylbenzene	451	ug/L	10.0	4.1	10		08/02/12 00:57	100-41-4	
Methyl-tert-butyl ether	<3.8	ug/L	10.0	3.8	10		08/02/12 00:57	1634-04-4	
Naphthalene	114	ug/L	10.0	4.0	10		08/02/12 00:57	91-20-3	
Toluene	48.1	ug/L	10.0	4.2	10		08/02/12 00:57	108-88-3	
1,2,4-Trimethylbenzene	435.9 369	ug/L	10.0	4.3	10		08/02/12 00:57	95-63-6	
1,3,5-Trimethylbenzene	66.9	ug/L	10.0	4.0	10		08/02/12 00:57	108-67-8	
Xylene (Total)	1480	ug/L	30.0	12.5	10		08/02/12 00:57	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	98 %		80-120		10		08/02/12 00:57	98-08-8	

### ANALYTICAL RESULTS

Project: FOSTERS  
Pace Project No.: 4064225

Sample: MW-4 Lab ID: 4064225004 Collected: 07/27/12 00:00 Received: 07/28/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b>		Analytical Method: WI MOD GRO							
Benzene	<0.39	ug/L	1.0	0.39	1		08/01/12 18:03	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		08/01/12 18:03	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		08/01/12 18:03	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		08/01/12 18:03	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		08/01/12 18:03	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		08/01/12 18:03	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		08/01/12 18:03	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		08/01/12 18:03	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	101 %		80-120		1		08/01/12 18:03	98-08-8	

Sample: MW-5 Lab ID: 4064225005 Collected: 07/27/12 00:00 Received: 07/28/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b>		Analytical Method: WI MOD GRO							
Benzene	<0.39	ug/L	1.0	0.39	1		08/01/12 18:28	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		08/01/12 18:28	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		08/01/12 18:28	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		08/01/12 18:28	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		08/01/12 18:28	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		08/01/12 18:28	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		08/01/12 18:28	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		08/01/12 18:28	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	101 %		80-120		1		08/01/12 18:28	98-08-8	

Sample: MW-6 Lab ID: 4064225006 Collected: 07/27/12 00:00 Received: 07/28/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b>		Analytical Method: WI MOD GRO							
Benzene	178	ug/L	1.0	0.39	1		08/01/12 18:54	71-43-2	
Ethylbenzene	3.5	ug/L	1.0	0.41	1		08/01/12 18:54	100-41-4	
Methyl-tert-butyl ether	0.46J	ug/L	1.0	0.38	1		08/01/12 18:54	1634-04-4	
Naphthalene	2.8	ug/L	1.0	0.40	1		08/01/12 18:54	91-20-3	
Toluene	0.74J	ug/L	1.0	0.42	1		08/01/12 18:54	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		08/01/12 18:54	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		08/01/12 18:54	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		08/01/12 18:54	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	96 %		80-120		1		08/01/12 18:54	98-08-8	



**ANALYTICAL RESULTS**

Project: FOSTERS  
 Pace Project No.: 4064225

Sample: MW-7 Lab ID: 4064225007 Collected: 07/27/12 00:00 Received: 07/28/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		08/01/12 19:20	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		08/01/12 19:20	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		08/01/12 19:20	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		08/01/12 19:20	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		08/01/12 19:20	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		08/01/12 19:20	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		08/01/12 19:20	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		08/01/12 19:20	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	101 %		80-120		1		08/01/12 19:20	98-08-8	

Sample: MW-8 Lab ID: 4064225008 Collected: 07/27/12 00:00 Received: 07/28/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		08/01/12 19:46	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		08/01/12 19:46	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		08/01/12 19:46	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		08/01/12 19:46	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		08/01/12 19:46	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		08/01/12 19:46	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		08/01/12 19:46	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		08/01/12 19:46	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	101 %		80-120		1		08/01/12 19:46	98-08-8	

Sample: PZ-1 Lab ID: 4064225009 Collected: 07/27/12 00:00 Received: 07/28/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		08/01/12 20:12	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		08/01/12 20:12	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		08/01/12 20:12	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		08/01/12 20:12	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		08/01/12 20:12	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		08/01/12 20:12	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		08/01/12 20:12	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		08/01/12 20:12	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	101 %		80-120		1		08/01/12 20:12	98-08-8	



### ANALYTICAL RESULTS

Project: FOSTERS

Pace Project No.: 4064225

Sample: T-1      Lab ID: 4064225010      Collected: 07/27/12 00:00      Received: 07/28/12 09:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	46.9	ug/L	10.0	3.9	10		08/01/12 20:38	71-43-2	
Ethylbenzene	<4.1	ug/L	10.0	4.1	10		08/01/12 20:38	100-41-4	
Methyl-tert-butyl ether	<3.8	ug/L	10.0	3.8	10		08/01/12 20:38	1634-04-4	
Naphthalene	<4.0	ug/L	10.0	4.0	10		08/01/12 20:38	91-20-3	
Toluene	<4.2	ug/L	10.0	4.2	10		08/01/12 20:38	108-88-3	
1,2,4-Trimethylbenzene	<4.3	ug/L	10.0	4.3	10		08/01/12 20:38	95-63-6	
1,3,5-Trimethylbenzene	<4.0	ug/L	10.0	4.0	10		08/01/12 20:38	108-67-8	
Xylene (Total)	<12.5	ug/L	30.0	12.5	10		08/01/12 20:38	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	103	%	80-120		10		08/01/12 20:38	98-08-8	F1

Sample: AMUNDSEN      Lab ID: 4064225011      Collected: 07/27/12 00:00      Received: 07/28/12 09:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		08/01/12 21:04	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		08/01/12 21:04	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		08/01/12 21:04	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		08/01/12 21:04	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		08/01/12 21:04	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		08/01/12 21:04	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		08/01/12 21:04	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		08/01/12 21:04	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		08/01/12 21:04	98-08-8	

Sample: STORE      Lab ID: 4064225012      Collected: 07/27/12 00:00      Received: 07/28/12 09:20      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		08/02/12 18:13	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		08/02/12 18:13	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		08/02/12 18:13	1634-04-4	
Naphthalene	0.43J	ug/L	1.0	0.40	1		08/02/12 18:13	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		08/02/12 18:13	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		08/02/12 18:13	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		08/02/12 18:13	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		08/02/12 18:13	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		08/02/12 18:13	98-08-8	





**ANALYTICAL RESULTS**

Project: FOSTERS  
 Pace Project No.: 4064225

Sample: **PARK** Lab ID: **4064225013** Collected: 07/27/12 00:00 Received: 07/28/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b>		Analytical Method: WI MOD GRO							
Benzene	<0.39	ug/L	1.0	0.39	1		08/02/12 17:47	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		08/02/12 17:47	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		08/02/12 17:47	1634-04-4	
Naphthalene	0.41J	ug/L	1.0	0.40	1		08/02/12 17:47	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		08/02/12 17:47	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		08/02/12 17:47	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		08/02/12 17:47	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		08/02/12 17:47	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	102 %.		80-120		1		08/02/12 17:47	98-08-8	

Sample: **TRIP BLANK** Lab ID: **4064225014** Collected: 07/27/12 00:00 Received: 07/28/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b>		Analytical Method: WI MOD GRO							
Benzene	<0.39	ug/L	1.0	0.39	1		08/01/12 21:29	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		08/01/12 21:29	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		08/01/12 21:29	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		08/01/12 21:29	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		08/01/12 21:29	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		08/01/12 21:29	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		08/01/12 21:29	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		08/01/12 21:29	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	101 %.		80-120		1		08/01/12 21:29	98-08-8	



**QUALITY CONTROL DATA**

Project: FOSTERS  
 Pace Project No.: 4064225

QC Batch: GCV/8774 Analysis Method: WI MOD GRO  
 QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water  
 Associated Lab Samples: 4064225001, 4064225002, 4064225003, 4064225004, 4064225005, 4064225006, 4064225007, 4064225008,  
 4064225009, 4064225010, 4064225011, 4064225012, 4064225013, 4064225014

METHOD BLANK: 645628 Matrix: Water  
 Associated Lab Samples: 4064225001, 4064225002, 4064225003, 4064225004, 4064225005, 4064225006, 4064225007, 4064225008,  
 4064225009, 4064225010, 4064225011, 4064225012, 4064225013, 4064225014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	08/01/12 16:19	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	08/01/12 16:19	
Benzene	ug/L	<0.39	1.0	08/01/12 16:19	
Ethylbenzene	ug/L	<0.41	1.0	08/01/12 16:19	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	08/01/12 16:19	
Naphthalene	ug/L	<0.40	1.0	08/01/12 16:19	
Toluene	ug/L	<0.42	1.0	08/01/12 16:19	
Xylene (Total)	ug/L	<1.3	3.0	08/01/12 16:19	
a,a,a-Trifluorotoluene (S)	%	101	80-120	08/01/12 16:19	

LABORATORY CONTROL SAMPLE & LCSD: 645629 645630

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	20.1	19.9	100	100	80-120	1	20	
1,3,5-Trimethylbenzene	ug/L	20	20.2	20.3	101	102	80-120	0	20	
Benzene	ug/L	20	20.7	20.7	104	103	80-120	0	20	
Ethylbenzene	ug/L	20	20.1	20.2	101	101	80-120	0	20	
Methyl-tert-butyl ether	ug/L	20	18.4	18.4	92	92	80-120	0	20	
Naphthalene	ug/L	20	18.3	18.2	92	91	80-120	1	20	
Toluene	ug/L	20	20.4	20.2	102	101	80-120	1	20	
Xylene (Total)	ug/L	60	60.2	60.5	100	101	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				101	101	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 645762 645763

Parameter	Units	4064147001 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	1020	200	200	1480	1410	232	197	10-200	5	20	M1
1,3,5-Trimethylbenzene	ug/L	494	200	200	797	766	152	136	56-169	4	20	
Benzene	ug/L	31.9	200	200	247	249	108	108	33-173	1	20	
Ethylbenzene	ug/L	404	200	200	649	625	123	110	49-158	4	20	
Methyl-tert-butyl ether	ug/L	4.1J	200	200	188	197	92	97	80-130	5	20	
Naphthalene	ug/L	113	200	200	314	317	101	102	67-141	1	20	
Toluene	ug/L	391	200	200	632	611	120	110	79-132	3	20	
Xylene (Total)	ug/L	4860	600	600	6010	5680	191	137	42-173	6	20	E3
a,a,a-Trifluorotoluene (S)	%						105	105	80-120			



## QUALIFIERS

Project: FOSTERS  
Pace Project No.: 4064225

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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

ES The reported result is estimated because one or more of the constituent results are qualified as such.

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

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



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FOSTERS  
Pace Project No.: 4064225

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4064225001	MW-1	WI MOD GRO	GCV/8774		
4064225002	MW-2R	WI MOD GRO	GCV/8774		
4064225003	MW-3	WI MOD GRO	GCV/8774		
4064225004	MW-4	WI MOD GRO	GCV/8774		
4064225005	MW-5	WI MOD GRO	GCV/8774		
4064225006	MW-6	WI MOD GRO	GCV/8774		
4064225007	MW-7	WI MOD GRO	GCV/8774		
4064225008	MW-8	WI MOD GRO	GCV/8774		
4064225009	PZ-1	WI MOD GRO	GCV/8774		
4064225010	T-1	WI MOD GRO	GCV/8774		
4064225011	AMUNDSEN	WI MOD GRO	GCV/8774		
4064225012	STORE	WI MOD GRO	GCV/8774		
4064225013	PARK	WI MOD GRO	GCV/8774		
4064225014	TRIP BLANK	WI MOD GRO	GCV/8774		

(Please Print Clearly)

UPPER MIDWEST REGION

Company Name: Meridian Env. Gty.

Branch/Location:

Project Contact: Ken Shimko

Phone: 715-579-0723 cell

Project Number:

Project Name: Fosters

Project State:

Sampled By (Print): Ken Shimko

Sampled By (Sign): *[Signature]*

PO #:

Regulatory Program:



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

*JKF* 41064225

# 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: SAMR

Mail To Company: \_\_\_\_\_

Mail To Address: \_\_\_\_\_

Invoice To Contact: \_\_\_\_\_

Invoice To Company: \_\_\_\_\_

Invoice To Address: \_\_\_\_\_

Invoice To Phone: \_\_\_\_\_

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
-----------------	-----------------------------	-----------

Profile # 3-40ml<sup>B</sup>

3-40ml<sup>B</sup>

2-40ml<sup>B</sup>

Filtered? (YES/NO)	Preservation (CODE)	Y/N	Pick Letter	Analysis Requested												
				X	P	V	O	C	T	N						

<b>Data Package Options</b> (billable)	<b>MS/MSD</b>	<b>Matrix Codes</b>
<input type="checkbox"/> EPA Level III	<input type="checkbox"/> On your sample (billable)	A = Air W = Water
<input type="checkbox"/> EPA Level IV	<input type="checkbox"/> NOT needed on your sample	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		MATRIX	Analysis Requested											
		DATE	TIME													
001	MW-1	7/27/12	AM	GW	X	P	V	O	C	T						
002	MW-2R															
003	MW-3															
004	MW-4															
005	MW-5															
006	MW-6															
007	MW-7															
008	MW-8															
009	PZ-1															
010	T-1															
011	Amundsen															
012	Store															
13/14*	Party/Trip blank															

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By: <i>[Signature]</i> Date/Time: <u>7/27/12 3pm</u>	Received By: <u>Dunham</u> Date/Time: _____	PACE Project No. <u>41064225</u>
Transmit Prelim Rush Results by (complete what you want):	Relinquished By: <u>Dunham</u> Date/Time: <u>7/28/12 0920</u>	Received By: <u>[Signature] PaceGB</u> Date/Time: <u>7/28/12 0920</u>	
Email #1:	Relinquished By:	Received By:	Sample Receipt pH OK / Adjusted
Email #2:	Relinquished By:	Received By:	Cooler Custody Seal Present / <u>Not Present</u> Intact / Not Intact
Telephone:	Relinquished By:	Received By:	
Fax:	Relinquished By:	Received By:	
Samples on HOLD are subject to special pricing and release of liability	Relinquished By:	Received By:	

\*added to COC by lab EMH 7/28/12



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

October 24, 2012

Kennith Shimko  
Meridain Environmental Consulting, LLC  
2711 North Elco Rd  
Fall Creek, WI 54742

RE: Project: FOSTER'S  
Pace Project No.: 4069116

Dear Kennith Shimko:

Enclosed are the analytical results for sample(s) received by the laboratory on October 18, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Brian Basten

brian.basten@pacelabs.com  
Project Manager

Enclosures



### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
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Pace Analytical Services, Inc.  
1241 Bellevue Street - Suite 9  
Green Bay, WI 54302  
(920)469-2436

### CERTIFICATIONS

Project: FOSTER'S  
Pace Project No.: 4069116

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#### 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

New York Certification #: 11888  
North Carolina Certification #: 503  
North Dakota Certification #: R-150  
South Carolina Certification #: 83006001  
US Dept of Agriculture #: S-76505  
Wisconsin Certification #: 405132750

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

### SAMPLE SUMMARY

Project: FOSTER'S

Pace Project No.: 4069116

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4069116001	MW-1	Water	10/16/12 00:00	10/18/12 09:05
4069116002	MW-2R	Water	10/16/12 00:00	10/18/12 09:05
4069116003	MW-3	Water	10/16/12 00:00	10/18/12 09:05
4069116004	MW-4	Water	10/16/12 00:00	10/18/12 09:05
4069116005	MW-5	Water	10/16/12 00:00	10/18/12 09:05
4069116006	MW-6	Water	10/16/12 00:00	10/18/12 09:05
4069116007	MW-7	Water	10/16/12 00:00	10/18/12 09:05
4069116008	MW-8	Water	10/16/12 00:00	10/18/12 09:05
4069116009	PZ-1	Water	10/16/12 00:00	10/18/12 09:05
4069116010	T-1	Water	10/16/12 00:00	10/18/12 09:05
4069116011	AMUNDSEN	Water	10/16/12 00:00	10/18/12 09:05
4069116012	STORE	Water	10/16/12 00:00	10/18/12 09:05
4069116013	TRIP BLANK	Water	10/16/12 00:00	10/18/12 09:05

### REPORT OF LABORATORY ANALYSIS





### SAMPLE ANALYTE COUNT

Project: FOSTER'S  
Pace Project No.: 4069116

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4069116001	MW-1	WI MOD GRO	LCM	9	PASI-G
4069116002	MW-2R	WI MOD GRO	LCM	9	PASI-G
4069116003	MW-3	WI MOD GRO	LCM	9	PASI-G
4069116004	MW-4	WI MOD GRO	LCM	9	PASI-G
4069116005	MW-5	WI MOD GRO	LCM	9	PASI-G
4069116006	MW-6	WI MOD GRO	LCM	9	PASI-G
4069116007	MW-7	WI MOD GRO	LCM	9	PASI-G
4069116008	MW-8	WI MOD GRO	LCM	9	PASI-G
4069116009	PZ-1	WI MOD GRO	LCM	9	PASI-G
4069116010	T-1	WI MOD GRO	LCM	9	PASI-G
4069116011	AMUNDSEN	WI MOD GRO	LCM	9	PASI-G
4069116012	STORE	WI MOD GRO	LCM	9	PASI-G
4069116013	TRIP BLANK	WI MOD GRO	LCM	9	PASI-G

### REPORT OF LABORATORY ANALYSIS



## PROJECT NARRATIVE

Project: FOSTER'S  
Pace Project No.: 4069116

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**Method:** WI MOD GRO  
**Description:** WIGRO GCV  
**Client:** Meridian Environmental Consulting, LLC  
**Date:** October 24, 2012

**General Information:**

13 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

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

**Initial Calibrations (including MS Tune as applicable):**

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

**Continuing Calibration:**

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

**Internal Standards:**

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

**Surrogates:**

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

**Method Blank:**

All analytes were below the report limit in the method blank 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.

## REPORT OF LABORATORY ANALYSIS



### ANALYTICAL RESULTS

Project: FOSTER'S  
 Pace Project No.: 4069116

Sample: MW-1 Lab ID: 4069116001 Collected: 10/16/12 00:00 Received: 10/18/12 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		10/19/12 13:14	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		10/19/12 13:14	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		10/19/12 13:14	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		10/19/12 13:14	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		10/19/12 13:14	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		10/19/12 13:14	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		10/19/12 13:14	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		10/19/12 13:14	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		10/19/12 13:14	98-08-8	

Sample: MW-2R Lab ID: 4069116002 Collected: 10/16/12 00:00 Received: 10/18/12 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	227	ug/L	1.0	0.39	1		10/19/12 13:40	71-43-2	
Ethylbenzene	168	ug/L	1.0	0.41	1		10/19/12 13:40	100-41-4	
Methyl-tert-butyl ether	1.4	ug/L	1.0	0.38	1		10/19/12 13:40	1634-04-4	
Naphthalene	33.4	ug/L	1.0	0.40	1		10/19/12 13:40	91-20-3	
Toluene	202	ug/L	1.0	0.42	1		10/19/12 13:40	108-88-3	
1,2,4-Trimethylbenzene	106	ug/L	1.0	0.43	1		10/19/12 13:40	95-63-6	
1,3,5-Trimethylbenzene	21.9	ug/L	1.0	0.40	1		10/19/12 13:40	108-67-8	
Xylene (Total)	332	ug/L	3.0	1.3	1		10/19/12 13:40	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		10/19/12 13:40	98-08-8	

Sample: MW-3 Lab ID: 4069116003 Collected: 10/16/12 00:00 Received: 10/18/12 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	673	ug/L	5.0	1.9	5		10/19/12 18:30	71-43-2	
Ethylbenzene	141	ug/L	5.0	2.1	5		10/19/12 18:30	100-41-4	
Methyl-tert-butyl ether	<1.9	ug/L	5.0	1.9	5		10/19/12 18:30	1634-04-4	
Naphthalene	44.2	ug/L	5.0	2.0	5		10/19/12 18:30	91-20-3	
Toluene	16.1	ug/L	5.0	2.1	5		10/19/12 18:30	108-88-3	
1,2,4-Trimethylbenzene	126	ug/L	5.0	2.2	5		10/19/12 18:30	95-63-6	
1,3,5-Trimethylbenzene	14.2	ug/L	5.0	2.0	5		10/19/12 18:30	108-67-8	
Xylene (Total)	423	ug/L	15.0	6.3	5		10/19/12 18:30	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	101	%	80-120		5		10/19/12 18:30	98-08-8	



**ANALYTICAL RESULTS**

Project: FOSTER'S  
 Pace Project No.: 4069116

Sample: MW-4      Lab ID: 4069116004      Collected: 10/16/12 00:00      Received: 10/18/12 09:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		10/22/12 12:27	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		10/22/12 12:27	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		10/22/12 12:27	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		10/22/12 12:27	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		10/22/12 12:27	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		10/22/12 12:27	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		10/22/12 12:27	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		10/22/12 12:27	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		10/22/12 12:27	98-08-8	

Sample: MW-5      Lab ID: 4069116005      Collected: 10/16/12 00:00      Received: 10/18/12 09:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		10/19/12 14:32	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		10/19/12 14:32	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		10/19/12 14:32	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		10/19/12 14:32	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		10/19/12 14:32	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		10/19/12 14:32	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		10/19/12 14:32	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		10/19/12 14:32	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		10/19/12 14:32	98-08-8	

Sample: MW-6      Lab ID: 4069116006      Collected: 10/16/12 00:00      Received: 10/18/12 09:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	37.0	ug/L	1.0	0.39	1		10/19/12 14:58	71-43-2	
Ethylbenzene	1.5	ug/L	1.0	0.41	1		10/19/12 14:58	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		10/19/12 14:58	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		10/19/12 14:58	91-20-3	
Toluene	0.56J	ug/L	1.0	0.42	1		10/19/12 14:58	108-88-3	
1,2,4-Trimethylbenzene	0.74J	ug/L	1.0	0.43	1		10/19/12 14:58	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		10/19/12 14:58	108-67-8	
Xylene (Total)	3.0J	ug/L	3.0	1.3	1		10/19/12 14:58	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		10/19/12 14:58	98-08-8	



**ANALYTICAL RESULTS**

Project: FOSTER'S

Pace Project No.: 4069116

Sample: MW-7 Lab ID: 4069116007 Collected: 10/16/12 00:00 Received: 10/18/12 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		10/19/12 16:20	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		10/19/12 16:20	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		10/19/12 16:20	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		10/19/12 16:20	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		10/19/12 16:20	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		10/19/12 16:20	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		10/19/12 16:20	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		10/19/12 16:20	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	104 %		80-120		1		10/19/12 16:20	98-08-8	

Sample: MW-8 Lab ID: 4069116008 Collected: 10/16/12 00:00 Received: 10/18/12 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		10/19/12 16:46	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		10/19/12 16:46	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		10/19/12 16:46	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		10/19/12 16:46	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		10/19/12 16:46	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		10/19/12 16:46	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		10/19/12 16:46	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		10/19/12 16:46	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	104 %		80-120		1		10/19/12 16:46	98-08-8	

Sample: PZ-1 Lab ID: 4069116009 Collected: 10/16/12 00:00 Received: 10/18/12 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		10/19/12 17:12	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		10/19/12 17:12	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		10/19/12 17:12	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		10/19/12 17:12	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		10/19/12 17:12	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		10/19/12 17:12	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		10/19/12 17:12	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		10/19/12 17:12	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	104 %		80-120		1		10/19/12 17:12	98-08-8	



**ANALYTICAL RESULTS**

Project: FOSTER'S  
 Pace Project No.: 4069116

Sample: T-1 Lab ID: 4069116010 Collected: 10/16/12 00:00 Received: 10/18/12 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	31.8	ug/L	1.0	0.39	1		10/19/12 17:38	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		10/19/12 17:38	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		10/19/12 17:38	1634-04-4	
Naphthalene	0.70J	ug/L	1.0	0.40	1		10/19/12 17:38	91-20-3	
Toluene	0.62J	ug/L	1.0	0.42	1		10/19/12 17:38	108-88-3	
1,2,4-Trimethylbenzene	0.75J	ug/L	1.0	0.43	1		10/19/12 17:38	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		10/19/12 17:38	108-67-8	
Xylene (Total)	2.7J	ug/L	3.0	1.3	1		10/19/12 17:38	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	103 %		80-120		1		10/19/12 17:38	98-08-8	

Sample: AMUNDSEN Lab ID: 4069116011 Collected: 10/16/12 00:00 Received: 10/18/12 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		10/19/12 21:56	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		10/19/12 21:56	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		10/19/12 21:56	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		10/19/12 21:56	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		10/19/12 21:56	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		10/19/12 21:56	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		10/19/12 21:56	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		10/19/12 21:56	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	103 %		80-120		1		10/19/12 21:56	98-08-8	

Sample: STORE Lab ID: 4069116012 Collected: 10/16/12 00:00 Received: 10/18/12 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		10/19/12 22:22	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		10/19/12 22:22	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		10/19/12 22:22	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		10/19/12 22:22	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		10/19/12 22:22	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		10/19/12 22:22	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		10/19/12 22:22	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		10/19/12 22:22	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	103 %		80-120		1		10/19/12 22:22	98-08-8	



**ANALYTICAL RESULTS**

Project: FOSTER'S  
 Pace Project No.: 4069116

Sample: TRIP BLANK      Lab ID: 4069116013      Collected: 10/16/12 00:00      Received: 10/18/12 09:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b>		Analytical Method: WI MOD GRO							
Benzene	<0.39	ug/L	1.0	0.39	1		10/19/12 18:03	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		10/19/12 18:03	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		10/19/12 18:03	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		10/19/12 18:03	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		10/19/12 18:03	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		10/19/12 18:03	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		10/19/12 18:03	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		10/19/12 18:03	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		10/19/12 18:03	98-08-8	



**QUALITY CONTROL DATA**

Project: FOSTER'S  
 Pace Project No.: 4069116

QC Batch: GCV/9187 Analysis Method: WI MOD GRO  
 QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water  
 Associated Lab Samples: 4069116001, 4069116002, 4069116003, 4069116004, 4069116005, 4069116006, 4069116007, 4069116008,  
 4069116009, 4069116010, 4069116011, 4069116012, 4069116013

METHOD BLANK: 696504 Matrix: Water  
 Associated Lab Samples: 4069116001, 4069116002, 4069116003, 4069116004, 4069116005, 4069116006, 4069116007, 4069116008,  
 4069116009, 4069116010, 4069116011, 4069116012, 4069116013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	10/19/12 11:31	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	10/19/12 11:31	
Benzene	ug/L	<0.39	1.0	10/19/12 11:31	
Ethylbenzene	ug/L	<0.41	1.0	10/19/12 11:31	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	10/19/12 11:31	
Naphthalene	ug/L	<0.40	1.0	10/19/12 11:31	
Toluene	ug/L	<0.42	1.0	10/19/12 11:31	
Xylene (Total)	ug/L	<1.3	3.0	10/19/12 11:31	
a,a,a-Trifluorotoluene (S)	%	103	80-120	10/19/12 11:31	

LABORATORY CONTROL SAMPLE & LCSD: 696505 696506

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	18.8	19.0	94	95	80-120	1	20	
1,3,5-Trimethylbenzene	ug/L	20	19.9	19.9	100	100	80-120	0	20	
Benzene	ug/L	20	21.5	21.5	108	108	80-120	0	20	
Ethylbenzene	ug/L	20	20.6	20.6	103	103	80-120	0	20	
Methyl-tert-butyl ether	ug/L	20	19.3	18.8	96	94	80-120	3	20	
Naphthalene	ug/L	20	18.1	18.4	90	92	80-120	2	20	
Toluene	ug/L	20	21.1	21.0	105	105	80-120	1	20	
Xylene (Total)	ug/L	60	61.6	61.7	103	103	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				103	103	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 698127 698128

Parameter	Units	4069116003		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
1,2,4-Trimethylbenzene	ug/L	126	100	100	308	301	182	175	10-200	2	20		
1,3,5-Trimethylbenzene	ug/L	14.2	100	100	138	136	124	122	56-169	1	20		
Benzene	ug/L	673	100	100	805	783	132	110	33-173	3	20		
Ethylbenzene	ug/L	141	100	100	267	262	126	121	49-158	2	20		
Methyl-tert-butyl ether	ug/L	<1.9	100	100	96.4	94.3	96	94	80-130	2	20		
Naphthalene	ug/L	44.2	100	100	145	142	100	98	67-141	2	20		
Toluene	ug/L	16.1	100	100	128	127	112	111	79-132	1	20		
Xylene (Total)	ug/L	423	300	300	888	870	155	149	42-173	2	20	ES	
a,a,a-Trifluorotoluene (S)	%						100	98	80-120				





## QUALIFIERS

Project: FOSTER'S  
Pace Project No.: 4069116

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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

ES The reported result is estimated because one or more of the constituent results are qualified as such.



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FOSTER'S  
Pace Project No.: 4069116

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4069116001	MW-1	WI MOD GRO	GCV/9187		
4069116002	MW-2R	WI MOD GRO	GCV/9187		
4069116003	MW-3	WI MOD GRO	GCV/9187		
4069116004	MW-4	WI MOD GRO	GCV/9187		
4069116005	MW-5	WI MOD GRO	GCV/9187		
4069116006	MW-6	WI MOD GRO	GCV/9187		
4069116007	MW-7	WI MOD GRO	GCV/9187		
4069116008	MW-8	WI MOD GRO	GCV/9187		
4069116009	PZ-1	WI MOD GRO	GCV/9187		
4069116010	T-1	WI MOD GRO	GCV/9187		
4069116011	AMUNDSEN	WI MOD GRO	GCV/9187		
4069116012	STORE	WI MOD GRO	GCV/9187		
4069116013	TRIP BLANK	WI MOD GRO	GCV/9187		

(Please Print Clearly)

**Company Name:** Meridian Env Co. Inc.  
**Branch/Location:**  
**Project Contact:** Ken Shimko  
**Phone:** 715-579-0323  
**Project Number:**  
**Project Name:** Foster's  
**Project State:** WI  
**Sampled By (Print):** Ken Shimko  
**Sampled By (Sign):**  
**PO #:** Regulatory Program:



**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

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

Y/N	Prep Lab
	Analysis Requested
X	Puoct map

**Quote #:**  
**Mail To Contact:** Ken Shimko  
**Mail To Company:** Meridian  
**Mail To Address:** 2711 N. Elcor Rd  
 Fall Creek, WI 54742  
**Invoice To Contact:** SAME  
**Invoice To Company:**  
**Invoice To Address:**  
**Invoice To Phone:**  
**CLIENT COMMENTS**      **LAB COMMENTS (Lab Use Only)**      **Profile #**

4069116

SB

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

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	MW-1	10/16/12	AM	GW
002	-2R			
003	-3			
004	-4			
005	-5			
006	-6			
007	-7			
008	-8			
009	PZ-1			
010	T-1			
011	Amundsen			
012	Store			
013	Trip 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

<b>Relinquished By:</b> [Signature]	<b>Date/Time:</b> 10/17/12 8m
<b>Relinquished By:</b> Danham	<b>Date/Time:</b> 10/16/12 0905
<b>Relinquished By:</b>	<b>Date/Time:</b>
<b>Relinquished By:</b>	<b>Date/Time:</b>

<b>Received By:</b> Danham	<b>Date/Time:</b> 10/17/12 8m
<b>Received By:</b> E. Kelly	<b>Date/Time:</b> 10/16/12 0905
<b>Received By:</b>	<b>Date/Time:</b>
<b>Received By:</b>	<b>Date/Time:</b>

**PACE Project No.** 4069116  
**Receipt Temp =** ROI °C  
**Sample Receipt pH** OK / Adjusted  
**Cooler Custody Seal**  
 Present (Not Present) Intact / Not Intact

\* added to COC by lab EMH 10/18/12



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

January 24, 2013

Kennith Shimko  
Meridain Environmental Consulting, LLC  
2711 North Elco Rd  
Fall Creek, WI 54742

RE: Project: FOSTER'S  
Pace Project No.: 4073090

Dear Kennith Shimko:

Enclosed are the analytical results for sample(s) received by the laboratory on January 19, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Brian Basten

brian.basten@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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

## CERTIFICATIONS

Project: FOSTER'S  
Pace Project No.: 4073090

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### 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

New York Certification #: 11888  
North Dakota Certification #: R-150  
South Carolina Certification #: 83006001  
US Dept of Agriculture #: S-76505  
Wisconsin Certification #: 405132750

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## REPORT OF LABORATORY ANALYSIS

Page 2 of 13

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### SAMPLE SUMMARY

Project: FOSTER'S  
Pace Project No.: 4073090

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4073090001	MW-3	Water	01/18/13 00:00	01/19/13 08:10
4073090002	MW-4	Water	01/18/13 00:00	01/19/13 08:10
4073090003	MW-5	Water	01/18/13 00:00	01/19/13 08:10
4073090004	MW-6	Water	01/18/13 00:00	01/19/13 08:10
4073090005	MW-7	Water	01/18/13 00:00	01/19/13 08:10
4073090006	MW-8	Water	01/18/13 00:00	01/19/13 08:10
4073090007	PZ-1	Water	01/18/13 00:00	01/19/13 08:10
4073090008	T-1	Water	01/18/13 00:00	01/19/13 08:10
4073090009	STORE	Water	01/18/13 00:00	01/19/13 08:10
4073090010	TRIP BLANK	Water	01/18/13 00:00	01/19/13 08:10

### REPORT OF LABORATORY ANALYSIS



### SAMPLE ANALYTE COUNT

Project: FOSTER'S  
Pace Project No.: 4073090

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4073090001	MW-3	WI MOD GRO	PMS	9	PASI-G
4073090002	MW-4	WI MOD GRO	PMS	9	PASI-G
4073090003	MW-5	WI MOD GRO	PMS	9	PASI-G
4073090004	MW-6	WI MOD GRO	PMS	9	PASI-G
4073090005	MW-7	WI MOD GRO	PMS	9	PASI-G
4073090006	MW-8	WI MOD GRO	PMS	9	PASI-G
4073090007	PZ-1	WI MOD GRO	PMS	9	PASI-G
4073090008	T-1	WI MOD GRO	PMS	9	PASI-G
4073090009	STORE	WI MOD GRO	PMS	9	PASI-G
4073090010	TRIP BLANK	WI MOD GRO	MRS	9	PASI-G

### REPORT OF LABORATORY ANALYSIS



## PROJECT NARRATIVE

Project: FOSTER'S  
Pace Project No.: 4073090

---

**Method:** WI MOD GRO  
**Description:** WIGRO GCV  
**Client:** Meridian Environmental Consulting, LLC  
**Date:** January 24, 2013

**General Information:**

10 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

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

**Initial Calibrations (including MS Tune as applicable):**

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

**Continuing Calibration:**

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

**Internal Standards:**

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

**Surrogates:**

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

**Method Blank:**

All analytes were below the report limit in the method blank 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/9674

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

**Additional Comments:**

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

## REPORT OF LABORATORY ANALYSIS





### ANALYTICAL RESULTS

Project: FOSTER'S  
 Pace Project No.: 4073090

Sample: MW-3      Lab ID: 4073090001      Collected: 01/18/13 00:00      Received: 01/19/13 08:10      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	302	ug/L	4.0	1.6	4		01/22/13 10:09	71-43-2	
Ethylbenzene	80.7	ug/L	4.0	1.7	4		01/22/13 10:09	100-41-4	
Methyl-tert-butyl ether	<1.5	ug/L	4.0	1.5	4		01/22/13 10:09	1634-04-4	
Naphthalene	20.1	ug/L	4.0	1.6	4		01/22/13 10:09	91-20-3	
Toluene	6.5	ug/L	4.0	1.7	4		01/22/13 10:09	108-88-3	
1,2,4-Trimethylbenzene	89.8	ug/L	4.0	1.7	4		01/22/13 10:09	95-63-6	
1,3,5-Trimethylbenzene	15.8	ug/L	4.0	1.6	4		01/22/13 10:09	108-67-8	
Xylene (Total)	297	ug/L	12.0	5.0	4		01/22/13 10:09	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	101	%	80-120		4		01/22/13 10:09	98-08-8	

Sample: MW-4      Lab ID: 4073090002      Collected: 01/18/13 00:00      Received: 01/19/13 08:10      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	0.54J	ug/L	1.0	0.39	1		01/21/13 17:48	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		01/21/13 17:48	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		01/21/13 17:48	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		01/21/13 17:48	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		01/21/13 17:48	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		01/21/13 17:48	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		01/21/13 17:48	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		01/21/13 17:48	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		01/21/13 17:48	98-08-8	

Sample: MW-5      Lab ID: 4073090003      Collected: 01/18/13 00:00      Received: 01/19/13 08:10      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		01/21/13 18:13	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		01/21/13 18:13	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		01/21/13 18:13	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		01/21/13 18:13	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		01/21/13 18:13	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		01/21/13 18:13	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		01/21/13 18:13	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		01/21/13 18:13	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		01/21/13 18:13	98-08-8	



**ANALYTICAL RESULTS**

Project: FOSTER'S  
 Pace Project No.: 4073090

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: MW-6</b> Lab ID: 4073090004 Collected: 01/18/13 00:00 Received: 01/19/13 08:10 Matrix: Water									
Analytical Method: WI MOD GRO									
Benzene	88.4	ug/L	1.0	0.39	1		01/21/13 18:39	71-43-2	
Ethylbenzene	4.8	ug/L	1.0	0.41	1		01/21/13 18:39	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		01/21/13 18:39	1634-04-4	
Naphthalene	0.45J	ug/L	1.0	0.40	1		01/21/13 18:39	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		01/21/13 18:39	108-88-3	
1,2,4-Trimethylbenzene	6.2	ug/L	1.0	0.43	1		01/21/13 18:39	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		01/21/13 18:39	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		01/21/13 18:39	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		01/21/13 18:39	98-08-8	

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: MW-7</b> Lab ID: 4073090005 Collected: 01/18/13 00:00 Received: 01/19/13 08:10 Matrix: Water									
Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		01/21/13 19:04	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		01/21/13 19:04	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		01/21/13 19:04	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		01/21/13 19:04	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		01/21/13 19:04	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		01/21/13 19:04	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		01/21/13 19:04	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		01/21/13 19:04	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		01/21/13 19:04	98-08-8	

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: MW-8</b> Lab ID: 4073090006 Collected: 01/18/13 00:00 Received: 01/19/13 08:10 Matrix: Water									
Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		01/21/13 19:30	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		01/21/13 19:30	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		01/21/13 19:30	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		01/21/13 19:30	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		01/21/13 19:30	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		01/21/13 19:30	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		01/21/13 19:30	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		01/21/13 19:30	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		01/21/13 19:30	98-08-8	



**ANALYTICAL RESULTS**

Project: FOSTER'S  
 Pace Project No.: 4073090

Sample: PZ-1      Lab ID: 4073090007      Collected: 01/18/13 00:00      Received: 01/19/13 08:10      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		01/21/13 19:55	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		01/21/13 19:55	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		01/21/13 19:55	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		01/21/13 19:55	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		01/21/13 19:55	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		01/21/13 19:55	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		01/21/13 19:55	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		01/21/13 19:55	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	101 %		80-120		1		01/21/13 19:55	98-08-8	

Sample: T-1      Lab ID: 4073090008      Collected: 01/18/13 00:00      Received: 01/19/13 08:10      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	127	ug/L	1.0	0.39	1		01/21/13 20:21	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		01/21/13 20:21	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		01/21/13 20:21	1634-04-4	
Naphthalene	3.9	ug/L	1.0	0.40	1		01/21/13 20:21	91-20-3	
Toluene	0.72J	ug/L	1.0	0.42	1		01/21/13 20:21	108-88-3	
1,2,4-Trimethylbenzene	1.7	ug/L	1.0	0.43	1		01/21/13 20:21	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		01/21/13 20:21	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		01/21/13 20:21	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	100 %		80-120		1		01/21/13 20:21	98-08-8	

Sample: STORE      Lab ID: 4073090009      Collected: 01/18/13 00:00      Received: 01/19/13 08:10      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	<0.39	ug/L	1.0	0.39	1		01/21/13 23:45	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		01/21/13 23:45	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		01/21/13 23:45	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		01/21/13 23:45	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		01/21/13 23:45	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		01/21/13 23:45	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		01/21/13 23:45	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		01/21/13 23:45	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	101 %		80-120		1		01/21/13 23:45	98-08-8	



**ANALYTICAL RESULTS**

Project: FOSTER'S  
 Pace Project No.: 4073090

Sample: TRIP BLANK      Lab ID: 4073090010      Collected: 01/18/13 00:00      Received: 01/19/13 08:10      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b>		Analytical Method: WI MOD GRO							
Benzene	<0.39	ug/L	1.0	0.39	1		01/22/13 09:48	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		01/22/13 09:48	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		01/22/13 09:48	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		01/22/13 09:48	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		01/22/13 09:48	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		01/22/13 09:48	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		01/22/13 09:48	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		01/22/13 09:48	1330-20-7	
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		01/22/13 09:48	98-08-8	



**QUALITY CONTROL DATA**

Project: FOSTER'S  
 Pace Project No.: 4073090

QC Batch: GCV/9672 Analysis Method: WI MOD GRO  
 QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water  
 Associated Lab Samples: 4073090001, 4073090002, 4073090003, 4073090004, 4073090005, 4073090006, 4073090007, 4073090008, 4073090009

METHOD BLANK: 740275 Matrix: Water  
 Associated Lab Samples: 4073090001, 4073090002, 4073090003, 4073090004, 4073090005, 4073090006, 4073090007, 4073090008, 4073090009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	01/21/13 15:14	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	01/21/13 15:14	
Benzene	ug/L	<0.39	1.0	01/21/13 15:14	
Ethylbenzene	ug/L	<0.41	1.0	01/21/13 15:14	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	01/21/13 15:14	
Naphthalene	ug/L	<0.40	1.0	01/21/13 15:14	
Toluene	ug/L	<0.42	1.0	01/21/13 15:14	
Xylene (Total)	ug/L	<1.3	3.0	01/21/13 15:14	
a,a,a-Trifluorotoluene (S)	%	99	80-120	01/21/13 15:14	

LABORATORY CONTROL SAMPLE & LCSD: 740276		740277								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.0	20.1	100	101	80-120	0	20	
1,3,5-Trimethylbenzene	ug/L	20	20.1	20.2	101	101	80-120	0	20	
Benzene	ug/L	20	21.5	21.6	107	108	80-120	1	20	
Ethylbenzene	ug/L	20	20.4	20.4	102	102	80-120	0	20	
Methyl-tert-butyl ether	ug/L	20	21.0	21.8	105	109	80-120	4	20	
Naphthalene	ug/L	20	19.7	21.1	98	105	80-120	7	20	
Toluene	ug/L	20	20.5	20.4	102	102	80-120	0	20	
Xylene (Total)	ug/L	60	61.0	61.1	102	102	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				102	103	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 740393		740394												
Parameter	Units	4073029001		MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
1,2,4-Trimethylbenzene	ug/L	361	500	500	895	938	107	116	10-200	5	20			
1,3,5-Trimethylbenzene	ug/L	94.0	500	500	637	673	109	116	56-169	5	20			
Benzene	ug/L	2270	500	500	2800	2980	106	142	33-173	6	20			
Ethylbenzene	ug/L	224	500	500	769	814	109	118	49-158	6	20			
Methyl-tert-butyl ether	ug/L	42.5	500	500	580	603	107	112	80-130	4	20			
Naphthalene	ug/L	125	500	500	647	695	104	114	67-141	7	20			
Toluene	ug/L	23.4J	500	500	575	599	110	115	79-132	4	20			
Xylene (Total)	ug/L	265	1500	1500	1890	2000	108	116	42-173	6	20			
a,a,a-Trifluorotoluene (S)	%						101	104	80-120					



**QUALITY CONTROL DATA**

Project: FOSTER'S  
 Pace Project No.: 4073090

QC Batch: GCV/9674 Analysis Method: WI MOD GRO  
 QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water  
 Associated Lab Samples: 4073090010

METHOD BLANK: 740476 Matrix: Water  
 Associated Lab Samples: 4073090010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	01/22/13 08:06	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	01/22/13 08:06	
Benzene	ug/L	<0.39	1.0	01/22/13 08:06	
Ethylbenzene	ug/L	<0.41	1.0	01/22/13 08:06	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	01/22/13 08:06	
Naphthalene	ug/L	<0.40	1.0	01/22/13 08:06	
Toluene	ug/L	<0.42	1.0	01/22/13 08:06	
Xylene (Total)	ug/L	<1.3	3.0	01/22/13 08:06	
a,a,a-Trifluorotoluene (S)	%	101	80-120	01/22/13 08:06	

LABORATORY CONTROL SAMPLE & LCSD: 740477

740478

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	20.3	102	102	80-120	0	20	
1,3,5-Trimethylbenzene	ug/L	20	21.0	20.9	105	105	80-120	0	20	
Benzene	ug/L	20	22.2	22.4	111	112	80-120	1	20	
Ethylbenzene	ug/L	20	20.8	20.9	104	105	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	22.0	21.5	110	107	80-120	3	20	
Naphthalene	ug/L	20	20.5	20.0	103	100	80-120	3	20	
Toluene	ug/L	20	21.2	21.3	106	107	80-120	1	20	
Xylene (Total)	ug/L	60	62.6	62.9	104	105	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				101	101	80-120			



### QUALIFIERS

Project: FOSTER'S  
Pace Project No.: 4073090

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#### DEFINITIONS

- DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
- ND - Not Detected at or above adjusted reporting limit.
- J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
- MDL - Adjusted Method Detection Limit.
- PRL - Pace Reporting Limit.
- RL - Reporting Limit.
- S - Surrogate
- 1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
- 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.
- 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

#### BATCH QUALIFIERS

Batch: GCV/9674  
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FOSTER'S  
Pace Project No.: 4073090

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4073090001	MW-3	WI MOD GRO	GCV/9672		
4073090002	MW-4	WI MOD GRO	GCV/9672		
4073090003	MW-5	WI MOD GRO	GCV/9672		
4073090004	MW-6	WI MOD GRO	GCV/9672		
4073090005	MW-7	WI MOD GRO	GCV/9672		
4073090006	MW-8	WI MOD GRO	GCV/9672		
4073090007	PZ-1	WI MOD GRO	GCV/9672		
4073090008	T-1	WI MOD GRO	GCV/9672		
4073090009	STORE	WI MOD GRO	GCV/9672		
4073090010	TRIP BLANK	WI MOD GRO	GCV/9674		



(Please Print Clearly)

UPPER MIDWEST REGION

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

Company Name: Meredean Env Co

Branch/Location:

Project Contact: Ken Shimko

Phone: 715-579-0723

Project Number:

Project Name: Foster's

Project State: WI

Sampled By (Print): Ken Shimko

Sampled By (Sign): [Signature]

PO #:

Regulatory Program:



✓ MWY

### 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

FILTERED?  
(YES/NO)

PRESERVATION  
(CODE)\*

Y/N	Pick Letter	Analysis Requested	DATE	TIME	MATRIX	
		P VOL + N/eqh	1-18	AM	BW	

Quote #: 4073090

Mail To Contact: Ken Shimko

Mail To Company: Meredean

Mail To Address: 2711 N. Blc rd  
Fall Creek WI

Invoice To Contact: 54742

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	<u>3-40mL<sup>B</sup></u>	
	<u>2-40mL<sup>B</sup></u> <u>3-40mL<sup>B</sup></u>	

**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		MATRIX
		DATE	TIME	
001	MW-3	1-18	AM	BW
002	-4			
003	-5			
004	-6			
005	-7			
006	-8			
007	PZ-1			
008	T-1			
009	store			
010	Trip Blank*			

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

Relinquished By: <u>[Signature]</u> Date/Time: <u>1-18-13 3pm</u>	Received By: <u>Dunham</u> Date/Time: <u>1-18-13 3pm</u>	PACE Project No. <u>4073090</u>
Relinquished By: <u>Dunham</u> Date/Time: <u>1-19-13 0810</u>	Received By: <u>[Signature]</u> Date/Time: <u>1-19-13 0810</u>	

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

Receipt Temp = 201 °C

Sample Receipt pH: OK / Adjusted NF

Cooler Custody Seal: Present / Not Present Intact / Not Intact

C019a(27Jun2006) \* received and added to COC by lab. 1-19-13 RF