REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

August 17, 2017

Wisconsin Department of Natural Resources
Attn: Mr. Ralph Smith
101 S. Webster Street
PO Box 7921
Madison, WI 53707-7921

Subject:

Update Report
Hedlund DX
10557 State Highway 70
Falun, WI
BRRTS #03-07-000151
PECFA #54840-9999-00

Dear Mr. Smith:

Enclosed is the Update Report for the above-mentioned site. REI identified additional soil and groundwater contamination associated with the Hedlund DX release on the neighboring property. REI recommends a soil excavation with quarterly groundwater sampling to bring this investigation to closure.

Please call me with questions or comments toll free at 877-734-7745 or contact me electronically at dlarsen@reiengineering.com.

Sincerely,
REI Engineering, Inc.

David N. Larsen, P.G.
Hydrogeologist/Project Manager

Enclosure

CC: Burnett County, Attn: Mr. Nathan Ehalt, 7410 County Road K, #116, Webster, WI 54872

REI

CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

Update Report
Hedlund DX
Falun, Wisconsin

WDNR BRRTS #03-07-000151
PECFA #54840-9999-00
REI Project #7367

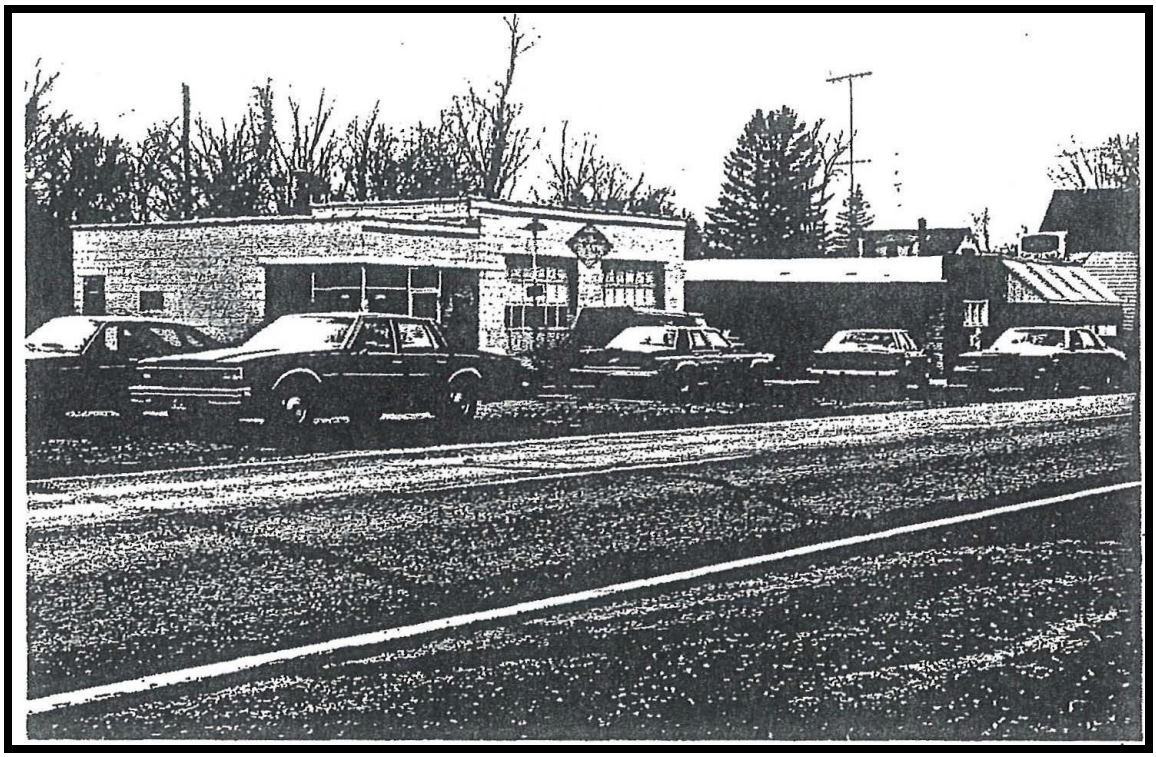
COMPREHENSIVE SERVICES WITH PRACTICAL SOLUTIONS

UPDATE REPORT

HEDLUND DX
10557 STATE HIGHWAY 70
FALUN, WI

BRRTS #03-07-000151
PECFA #54840-9999-00

REI #7367



PREPARED FOR:

Burnett County
Attn: Mr. Nathan Ehalt
7410 Cty Road K, #116
Siren, WI 54872

AUGUST 2017

UPDATE REPORT

HEDLUND DX
10557 STATE HIGHWAY 70
FALUN, WI

BRRTS #03-07-000151
PECFA #54840-9999-00

REI #7367

The recommendations contained in this report are based on the information obtained from our study of the site and were arrived at in accordance with accepted hydrogeologic and engineering practices at this time and location.

"I, Scott Blado, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Scott J Blado

Environmental Scientist

8-17-17

Date

"I, David N. Larsen, hereby certify that I am a registered Professional Geologist in the state of Wisconsin as defined in Wisconsin Statues Chapter 470.01. I also certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

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UPDATE REPORT

HEDLUND DX
10557 STATE HIGHWAY 70
FALUN, WI

BRRTS #03-07-000151
PECFA #54840-9999-00

REI #7367

1.0 INTRODUCTION

The Hedlund DX site is located in the NW ¼ of the NW ¼ of Section 19, Township 38 North, Range 17 West, in the Town of Daniels, Burnett County, Wisconsin (Figure 1). The site address is 10557 State Highway 70, Falun, Wisconsin 54840. Wisconsin Transverse Mercator (WTM) coordinates are 323585, 591806.

During the completion of the approved scope of services, it was determined that the Hedlund DX release had migrated beyond the property boundary and impacted the neighboring property to the east. The property to the east, Bob's Service (BRRTS #03-07-000148) is currently undergoing an environmental investigation.

2.0 SUMMARY OF ACTIVITIES

2.1 Geoprobe Borings

REI was on-site to oversee the advancement of four (4) Geoprobe push borings (GP8-GP11) on May 22, 2017. Gestra Engineering, Inc., Milwaukee, WI was subcontracted to complete the Geoprobe advancement. All borings were advanced to a depth of fifteen (15) feet bls . Field work for the Bob's Service investigation (Geoprobe soil and groundwater sampling) was conducted during the May 22, 2017 mobilization. A copy of the Bob's Service Update Report is included in Appendix A.

The borings were placed on the neighboring property to the east (Bob's Service). Two (2) of the borings were advanced in the location of the former Hedlund DX 1,000-gallon UST that was installed on the Bob's Service property. Two (2) additional borings were advanced in the northwest corner of the Bob's Service property that also appear to have been impacted from the Hedlund DX release.

Figure 2 documents the locations of the soil borings advanced during the site investigation. Soil Boring Logs (WDNR Form 4400-122) and Borehole Abandonment Forms (WDNR Form 3300-5) are included in Appendix B. Methods and Procedures are included in Appendix C. Investigative waste disposal is included in Appendix D.

A total of seven (7) soil samples and two (2) groundwater samples were collected and submitted for laboratory analysis during this scope of services. Soil samples were obtained to describe the lateral and vertical extent of the petroleum contamination in the subsurface. Analytical results were directly compared against the State of Wisconsin's cleanup criteria listed in the Chapter NR720. Numerous soil sample locations document the presence of petroleum compounds exceeding the NR720.09 (04) Residual Contaminant Level (RCL). Soil analytical results are summarized on Table 1.

The soil borings performed during the Hedlund DX investigation indicate the site geology consists mainly of gravel and sand fill material overlying clay to a depth of approximately fourteen (14) feet below land surface (bls) to encounter of saturated fine to medium grained sands.

Soil samples at soil borings GP8 and GP9 were not significantly impacted, but both groundwater samples documented elevated petroleum impacts. Soil boring GP8 appears to have been advanced adjacent to the former 1,000-gallon UST and GP9 appears to have been advanced directly into the backfill of the former UST location. The soil samples collected at sample locations GP10 and GP11 documented significant petroleum impacts to the unsaturated soil and were likely a result of releases associated with the Hedlund DX dispenser location. Figure 3 presents the estimated extent of petroleum related soil contamination.

Groundwater samples were also collected from Borings GP8 and GP9. A groundwater sample was attempted from GP11, but yield was insufficient to allow sample to be collected. Groundwater analytical results revealed impact exceeding NR 140 enforcements standards at both Geoprobe boring locations. Geoprobe groundwater analytical results are included in Table 2. Locations of the completed Geoprobe borings are included in Figure 2. Laboratory analytical results are included in Appendix E.

3.0 Conclusion

REI is recommending the completion of a soil excavation at the Hedlund DX site to remove the known contaminant mass and limit further contaminant loading to groundwater. Due to artesian conditions, groundwater will need to be dewatered and treated to allow the excavation to reach the intended depth of approximately fourteen (14) feet. REI is also recommending quarterly groundwater sampling be completed during the investigation. Groundwater samples should, at a minimum, be sampled for PVOC and naphthalene compounds and the neighboring potable wells be sampled for VOC's using EPA method 524.4.

Table 1
Summary of Soil Analytical Results
Geoprobe Borings
Hedlund DX
Falun, Wisconsin

			Date -->	5/22/2017		5/22/2017	5/22/2017		5/22/2017	
			Sample ID -->	GP8		GP9	GP10		GP11	
			Sample Depth (Feet) -->	2-4	12-13	2-4	2-4	8-9	2-4	7-8
			Percent Moisture -->	29.6%	30.5%	13.5%	27.0%	30.5%	17.7%	28.5%
Lead (mg/kg)	400	13.5	BTV @52	20.4	14.7	9.7	15.7	18.2	8.4	18.4
Petroleum VOC's (µg/kg)	Non-Industrial Not-To-Exceed DC RCL	NR 140 Groundwater Pathway Protection (DF=2)								
Benzene	1,490	5.1		< 29.4	*149*	< 39.7	*902*	*4,140*	**6,360**	*19,000*
Ethylbenzene	7,470	1,570		< 29.4	343	< 39.7	450	*3,770*	**17,700**	*24,800*
Toluene	818,000	1,107		< 29.4	< 26.9	< 39.7	107	*1,620*	*22,000*	*44,500*
Xylenes (Total)	258,000	3,940		< 58.8	475	< 79.4	284	*9,843*	*74,900*	*87,400*
Methly tert Butyl Ether	59,400	27		< 29.4	< 26.9	< 39.7	< 25	*41.8*[J]	*797*	*1,180*
1,2,4-Trimethylbenzene	89,800	NS		< 29.4	< 26.9	< 39.7	60.9[J]	4,270	42,100	35,600
1,3,5-Trimethylbenzene	182,000	NS		< 29.4	< 26.9	< 39.7	131	1,230	15,900	14,000
Trimethylbenzenes (Total)	NS	1,379		< 29.4	< 26.9	< 39.7	192	*5,500*	*58,000*	*49,600*
Naphthalene	5,150	658.7		< 29.4	< 26.9	< 39.7	166	*883*	**6,720**	*8,390*

Notes:

NR720 Standards Obtained From WDNR Online Excel Database

RCL - NR 720 Proposed Soil Residual Contaminant Level

DC - Direct Contact

Background Threshold Value

Exceeds Non-Industrial Not-To-Exceed DC RCL — **Bold**

Exceeds NR 140 Groundwater Pathway Protection — *Italic*

NS - No Standard

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

< - Concentration below listed laboratory detection limit

NA - Not Analyzed

Table 2
Summary of Groundwater Analytical Results
Geoprobe Borings
Hedlund DX
Falun, Wisconsin

			Sample Location ->	GP8	GP9
			Date ->	5/22/2017	5/22/2017
Detected VOC Parameters	ES	PAL	Units		
Benzene	5	0.5	µg/l	**158**	**932**
Ethylbenzene	700	140	µg/l	125	**794**
Toluene	800	160	µg/l	25.3	*166*
Xylenes (mixed isomers)	2,000	400	µg/l	320.5	*1,415.9*
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	2.3	*16.5*
Trimethylbenzenes (mixed isomers)	480	96	µg/l	83	**772**
Naphthalene	100	10	µg/l	*11.0*	**119**

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

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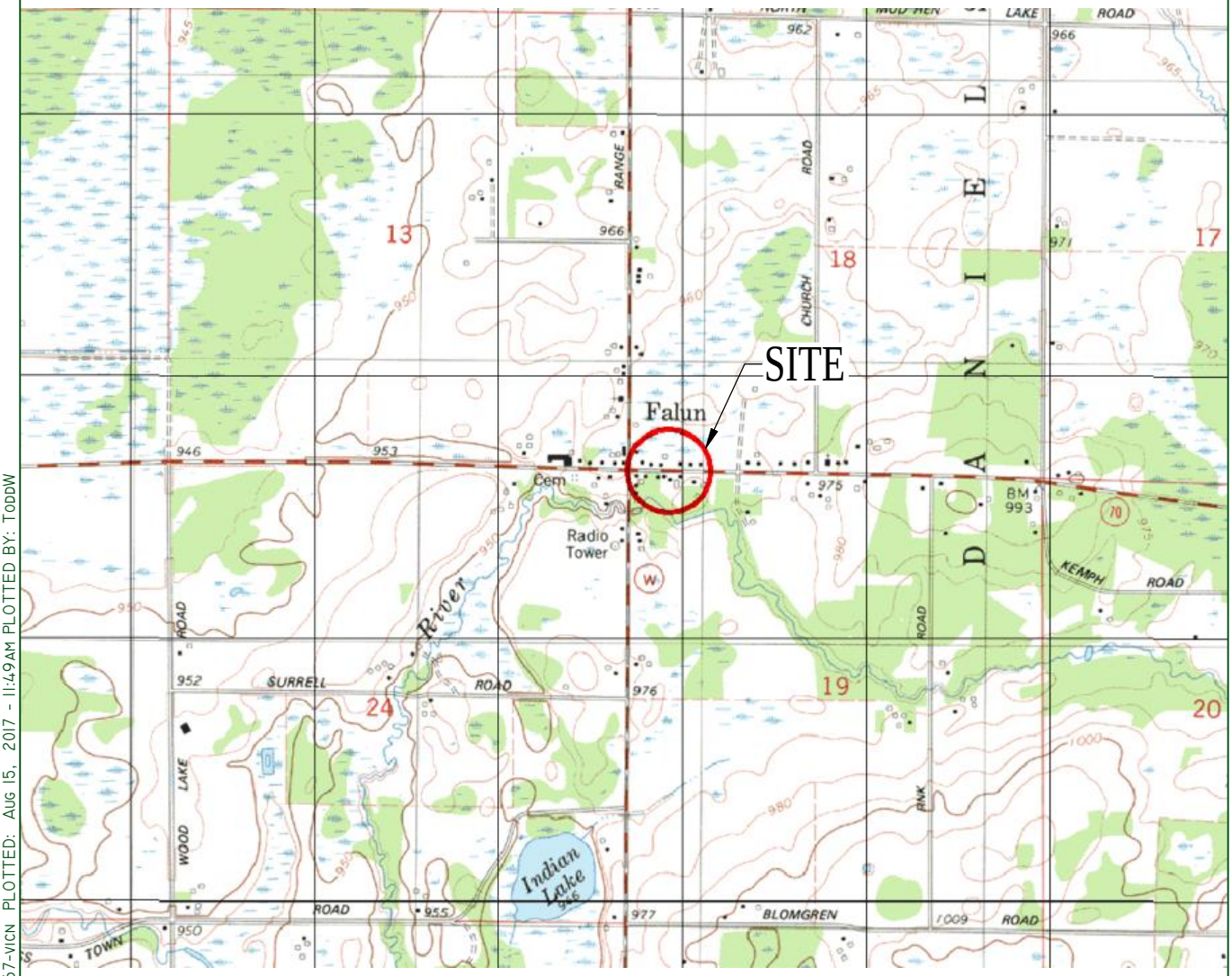


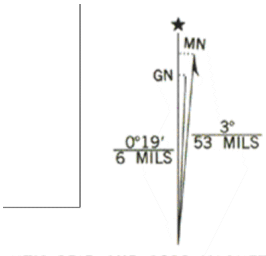
SCALE 1:24 000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929



UTM GRID AND 1982 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

FALUN, WIS.
SE/4 GRANTSBURG 15' QUADRANGLE
N4545–W9230/7.5
1982
DMA 2475 I SE–SERIES V861

QUADRANGLE LOCATION

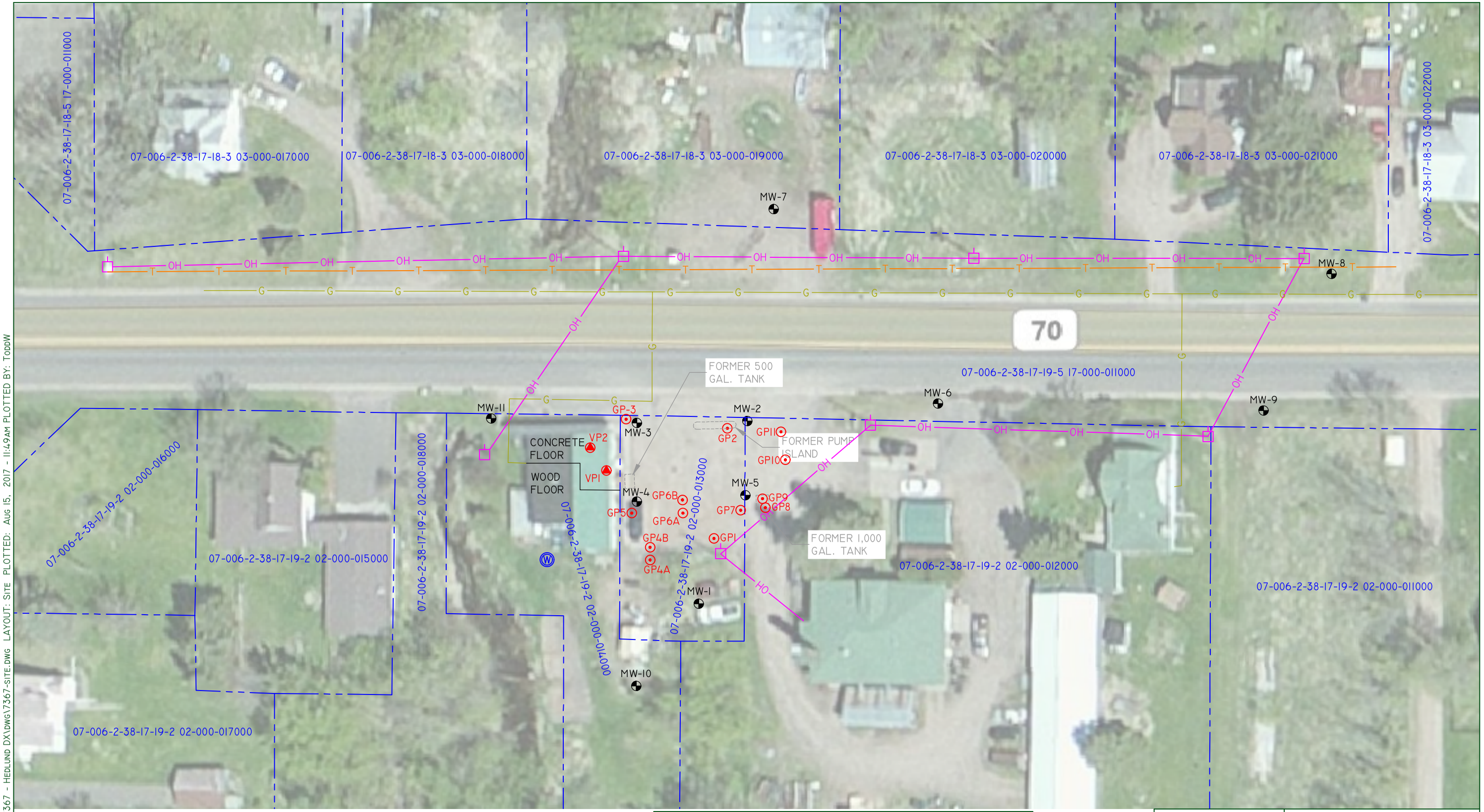
REI Engineering, INC.

BURNETT COUNTY–FORMER HEDLUND DX
10557 STATE HIGHWAY 70
FALUN, WISCONSIN 54872

FIGURE 1 : SITE VICINITY MAP

PROJECT NO.	DRAWN BY:	DATE:
7367AxUC	TAW	8/15/2017

DRAWING FILE: P:\7300-7399\7367 - HEDLUND DX\DWG\7367-VICN.DWG LAYOUT: 7367-VICN PLOTTED: AUG 15, 2017 - 11:49AM PLOTTED BY: TODDW



LEGEND

SCALE: 1" = 40'

- GEOPROBE SOIL BORING
- MONITORING WELL
- POTABLE WELL
- UTILITY POLE
- OH — OVERHEAD UTILITIES LINE
- PROPERTY LINE (APPROXIMATE)
- G — GAS LINE
- T — TELEPHONE LINE
- SUB-SLAB VAPOR PROBE

REI Engineering, INC.

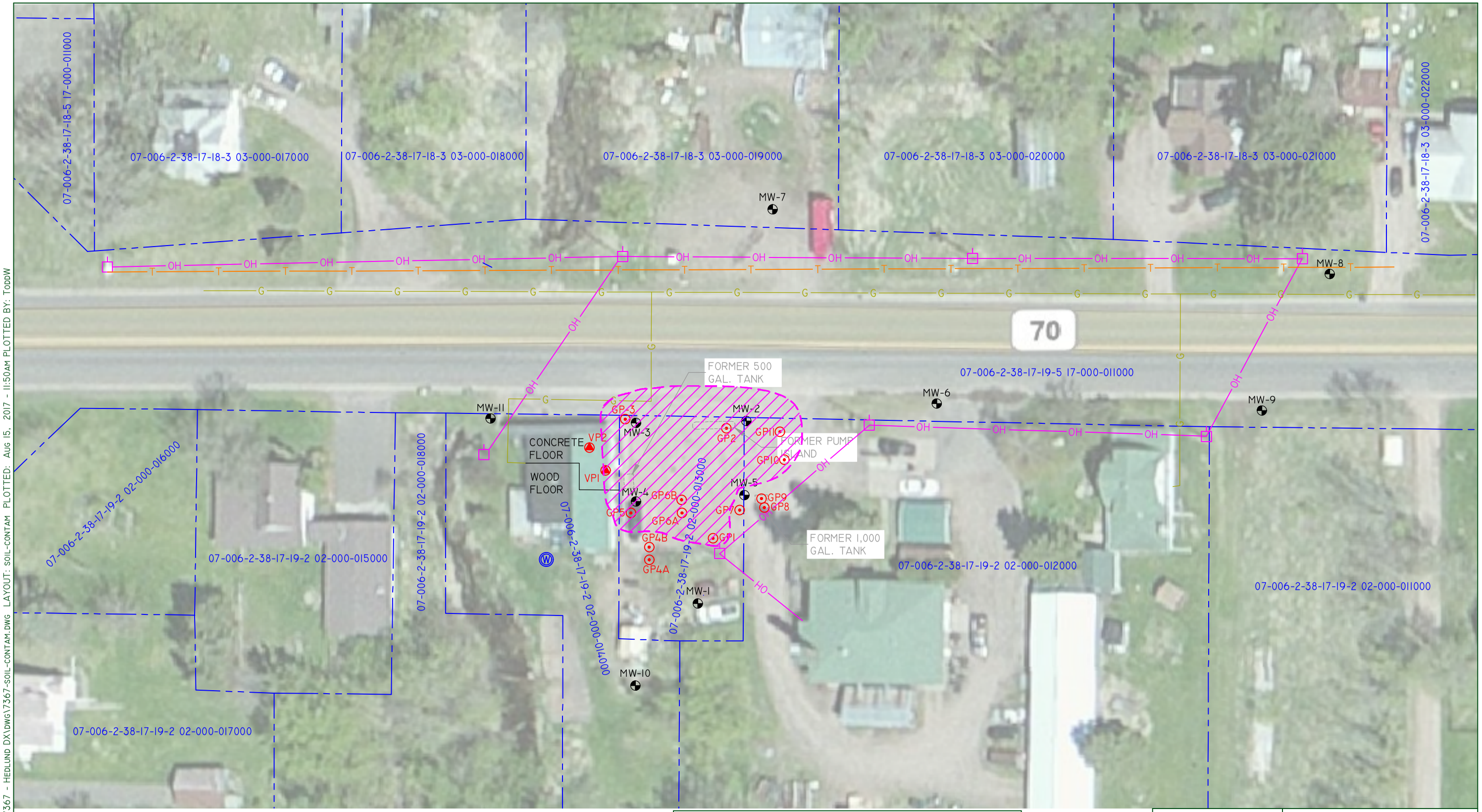
REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

BURNETT COUNTY–FORMER HEDLUND DX
10557 STATE HIGHWAY 70
FALUN, WISCONSIN 54872

FIGURE 2 : SITE MAP

PROJECT No.	DRAWN BY:	DATE:
7367AxUC	AJG	8/15/2017

DRAWING FILE: P:\17300-73991\7367 - HEDLUND DX\DWG\7367-SITE.DWG LAYOUT: SITE PLOTTED: AUG 15, 2017 - 11:49AM PLOTTED BY: TODDW



LEGEND

SCALE: 1" = 40'

- GEOPROBE SOIL BORING
- MONITORING WELL
- POTABLE WELL
- UTILITY POLE
- OH — OVERHEAD UTILITIES LINE
- G — GAS LINE
- T — TELEPHONE LINE
- ESTIMATED SOIL CONTAMINATION
- SUB-SLAB VAPOR PROBE

N

REI Engineering, INC.

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

BURNETT COUNTY–FORMER HEDLUND DX
10557 STATE HIGHWAY 70
FALUN, WISCONSIN 54872

FIGURE 3 : ESTIMATED EXTENT OF PETROLEUM RELATED SOIL CONTAMINATION

PROJECT No.	DRAWN BY:	DATE:
7367AxUC	TAW	8/15/2017

DRAWING FILE: P:\7300-7399\7367 - HEDLUND DX\DWG\7367-SOIL-CONTAM.DWG LAYOUT: SOIL-CONTAM PLOTTED: AUG 15, 2017 - 11:50AM PLOTTED BY: TODDW

APPENDIX A

BOB'S SERVICE UPDATE REPORT

REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

August 9, 2017

Wisconsin Department of Natural Resources
Attn: Mr. Ralph Smith
101 S. Webster Street
PO Box 7921
Madison, WI 53707

Subject:

Update Report
Bob's Service
10545 STH 70
Falun, WI 54840
BRRTS #03-07-000148
PECFA #54872-8522-31

Dear Mr. Smith:

Enclosed is the Update Report for the above-mentioned site. This report documents the completion of the soil and groundwater sampling via Geoprobe at the subject property. Minimal soil and groundwater contamination was encountered during the advancement of Geoprobe borings at the site.

The contamination does not appear to have originated at this property. The adjacent property to the west, open LUST site Hedlund DX (BRRTS#03-07-000151), appears to be responsible for the majority of the contamination observed at the Bob's Service site.

Please call me with questions or comments toll free at 877-734-7745 or contact me electronically at sblado@reiengineering.com.

Sincerely,
REI Engineering, Inc.

Scott J. Blado
Environmental Scientist

Enclosures

CC: Mr. Robert Anderson, 10531 STH 70, Siren, WI 54872

REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

UPDATE REPORT

BOB'S SERVICE
10545 STH 70
FALUN, WI 54840

BRRTS#03-07-000148
PECFA#54872-8522-31

COMPREHENSIVE SERVICES WITH PRACTICAL SOLUTIONS

UPDATE REPORT

BOB'S SERVICE
10545 STH 70
FALUN, WI 54840
BRRTS #03-07-000148

PECFA#54872-8522-31
REI #7679

PREPARED FOR:

Bob's Service
Mr. Robert Anderson
10531 STH 70
Siren, WI 54872

AUGUST 2017

UPDATE REPORT

BOB'S SERVICE
10545 STH 70
FALUN, WI 54840
BRRTS #03-07-000148

PECFA#54872-8522-31
REI #7679

The recommendations contained in this report are based on the information obtained from our study of the site and were arrived at in accordance with accepted hydrogeologic and engineering practices at this time and location.

"I, Scott Blado, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Scott J Blado

Environmental Scientist

8/9/2017

Date

"I, David N. Larsen, hereby certify that I am a registered Professional Geologist in the State of Wisconsin as defined in the Wisconsin Statutes Chapter 470.01. I am also a hydrogeologist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

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UPDATE REPORT

BOB'S SERVICE
10545 STH 70
FALUN, WI 54840
BRRTS #03-07-000148

PECFA#54872-8522-31
REI #7679

1.0 INTRODUCTION

The Bob's Service property is located at 10545 STH 70, in the NW ¼ of the NW ¼ of Section 19 Township 38 North, Range 17 West, Town of Daniels, Burnett County, Wisconsin (Figure 1).

The Wisconsin Department of Natural Resources (WDNR) was notified of the release in 1990 following reconstruction of State Highway 70. The retail petroleum system was removed in 1993 and an environmental site investigation was initiated. A Site Investigation Report was submitted to the WDNR in 1996. The majority of the contamination identified on site was observed in the soil at a depth of five (5) to nine (9) feet and may have been related to groundwater impact rather than soil impacts. Additionally, the greatest soil impact was observed at TP3 from 7.5-9.5-foot depth and returned a benzene detection of 58.5 ppb. The neighboring Hedlund DX site, located immediately west of Bob's Service, is also a known petroleum impacted site and is was very probable that the Bob's Service site was being impacted from the release at the Hedlund DX site. Site work on Bob's Service stalled until the investigation at the Hedlund site was initiated. REI Engineering, Inc. (REI) was retained to complete the environmental investigation at the Hedlund DX site in 2015.

REI was retained to complete the Bob's Service investigation in 2017 and had approval for the advancement of ten (10) Geoprobe borings at the site to determine the degree and extent of the residual contamination and the preparation of a follow-up report.

2.0 SUMMARY OF ACTIVITIES

2.1 Geoprobe Boring Advancement

A total of ten (10) Geoprobe borings were advanced during the investigation. Two (2) soil samples were collected from each Geoprobe boring location. Groundwater samples were collected from five (5) locations where temporary monitoring wells were placed. Locations of the borings are presented on Figure 2.

Geoprobes were advanced based on estimated locations of former underground storage tanks and dispenser systems. A summary of groundwater analytical results is presented in Table 1 and a summary of soil sample analytical results are presented in Table 2. Investigative waste disposal documentation is included in Appendix A. Groundwater and soil samples were collected and submitted to a State certified laboratory for chemical analysis. Copies of the complete analytical chemistry reports are presented in Appendix B.

2.2 Discussion

Soil contamination exceeding NR140 Groundwater Pathway Protection levels was discovered in boring "B1" at a depth of eight to nine (8-9) feet. Boring location B3 also revealed a detection of benzene in soil exceeding the NR140 Groundwater Pathway Protection level. This detection was noted with a lab qualifier (J), meaning it was between the limit of detection (LOD) and the limit of quantification (LOQ) and should be considered an estimate.

In addition, groundwater contamination exceeding NR720 Enforcement Standards and Preventative Action Levels was observed in boring B1. These boring locations are located near the northern property boundary of the Bob's Service site. Aside from the groundwater sample from B10 which had detections of petroleum related compounds below all standards, all other boring locations were non-detect for all soil and groundwater parameters analyzed. Boring locations are depicted on Figure 2.

Open LUST site, Hedlund DX (BRRTS#03-07-000151) exist immediately adjacent to the Bob's Service site to the west. Extensive contamination has been documented at

the Hedlund DX site, and the limited identified soil contamination at the Bob's Service site is likely attributable to the release at the Hedlund DX site. Information specific to the Hedlund DX release has been provided to the WDNR and is publicly available for review.

3.0 CONCLUSION AND RECOMMENDATIONS

Based on soil and groundwater sampling results, it appears that the limited contamination identified at the Bob's Service site is attributable to the adjacent Hedlund DX open LUST site. Boring location B1 revealed levels of soil and groundwater contamination exceeding WDNR standards. Based on the vicinity of the identified contamination in relation to the adjacent site, it is likely that the contaminant source is the same for both properties.

It is the opinion of REI Engineering, Inc. that no further investigation is warranted into the Bob's Service site. Soil and groundwater sampling near the former UST basin and dispensers has indicated that identified contamination at the site is not resultant of the Bob's Service petroleum system. Soil and groundwater data collected during this investigation and the historical investigation scopes should be utilized to aid in defining the degree and extent of the contamination originating from the Hedlund DX site, adjacent to the west. REI recommends that the Bob's Service site should be submitted for closure.

Table 1a
Summary of Groundwater Analytical Results - Geoprobes
Bob's Service
10545 STH 70, Falun, WI

		Sample Location		B1	B2	B6	B7	B10
			Date	5/22/2017	5/22/2017	5/22/2017	5/22/2017	5/22/2017
VOC Parameters	ES	PAL	Units					
Benzene	5	0.5	µg/l	**1,100**	<0.40	<0.40	<0.40	<0.40
Toluene	800	160	µg/l	*648*	0.43J	<0.39	<0.39	<0.39
Ethylbenzene	700	140	µg/l	*553*	<0.39	<0.39	<0.39	0.84J
Xylenes (mixed isomers)	2,000	400	µg/l	*1,928*	<0.80	<0.80	<0.80	22.7
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	*12.1*	<0.48	<0.48	<0.48	<0.48
Trimethylbenzenes (mixed isomers)	480	96	µg/l	*380.8*	<0.42	<0.42	<0.42	19.4

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
NA = Not Analyzed
Enforcement Standard exceeded **BOLD**
Preventive Action Limit exceeded *Italics*
J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 1b
Summary of Potable Water Analytical Results
Bob's Service
10545 STH 70, Falun, WI

			Potable
PARAMETER	**ES**	**PAL**	***5/22/17***
Detected VOC's (ug/L)			
Benzene	5	0.5	<0.086
Bromobenzene			<0.081
Bromochloromethane			<0.16
Bromodichloromethane	0.6	0.06	<0.090
Bromoform	4.4	0.44	<0.23
Bromomethane	10	1	<0.20
n-Butylbenzene			<0.081
sec-Butylbenzene			<0.063
tert-Butylbenzene			<0.097
Carbon Tetrachloride	5	0.5	<0.076
Chlorobenzene			<0.068
Chloroethane	400	80	<0.18
Chloroform	6	0.6	<0.10
Chloromethane	30	3	<0.21
2-Chlorotoluene			<0.11
4-Chlorotoluene			<0.10
1,2-Dibromo-3-chloropropane	0.2	0.02	<0.18
Dibrochloromomethane	60	6	<0.13
1,2-Dibromoethane (EDB)	0.05	0.005	<0.091
Dibromomethane			<0.098
1,2-Dichlorobenzene	600	60	<0.10
1,3-Dichlorobenzene	600	120	<0.082
1,4-Dichlorobenzene	75	15	<0.075
Dichlorodifluoromethane	1,000	200	<0.16
1,1-Dichloroethane	850	85	<0.088
1,2-Dichloroethane	5	0.5	<0.092
1,1-Dichloroethene	7	0.7	<0.089
cis-1,2-Dichloroethene	70	7	<0.085
trans-1,2-Dichloroethene	100	20	<0.11
1,2-Dichloropropane	5	0.5	<0.084
1,3-Dichloropropane			<0.094
2,2-Dichloropropane			<0.097
1,1-Dichloropropene			<0.080
cis-1,3-Dichloropropene	0.4	0.04	<0.071
trans-1,3-Dichloropropene	0.4	0.04	<0.055
Ethylbenzene	700	140	<0.051
Hexachloro(1,3)butadiene			<0.11
Isopropylbenzene			<0.11
p-Isopropyltoluene			<0.083
Methylene Chloride	5	0.5	<0.20
Naphthalene	100	10	<0.064
n-Propylbenzene			<0.096
Styrene	100	10	<0.075
1,1,1,2 - Tetrachloroethane	70	7	<0.062
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.11
Tetrachloroethene	5	0.5	<0.12
Toluene	800	160	<0.080
1,2,3-Trichlorobenzene			<0.10
1,2,4-Trichlorobenzene	70	14	<0.12
1,1,1-Trichloroethane	200	40	<0.10
1,1,2-Trichloroethane	5	0.5	<0.098
Trichloroethene	5	0.5	<0.044
Trichlorofluoromethane	3,490	698	<0.13
1,2,3-Trichloropropane	60	12	<0.073
Total Trimethylbenzenes	480	96	<0.083
Vinyl Chloride	0.2	0.02	<0.098
Total Xylenes	2,000	400	<0.073

PAL = Preventive Action Limit
ES = Enforcement Standards
Exceeds Enforcement Standard — **BOLD**
Exceeds Preventative Action Limit — *Italic*
NA - Not Analyzed
< - Concentration less than listed detection limit
J - Estimated Value between detection limit and quantification limit

Table 2
Summary of Soil Analytical Results - Geoprobes
Bob's Service
10545 STH 70, Falun, WI

		Date -->	***5/22/17***	***5/22/17***	***5/22/17***	***5/22/17***	***5/22/17***	***5/22/17***	***5/22/17***	***5/22/17***	***5/22/17***	***5/22/17***
		Sample ID -->	***B1***	***B1***	***B2***	***B2***	***B3***	***B3***	***B4***	***B4***	***B5***	***B5***
		Sample Depth -->	***2-4***	***8-9***	***2-4***	***13-14***	***2-4***	***13-14***	***2-4***	***8-9***	***2-4***	***12-14***
		Percent Moisture (%) -->	***9.2***	***29.1***	***27.3***	***22.2***	***17.1***	***30.5***	***11.9***	***22.8***	***11.6***	***30.3***
Petroleum VOC's (mg/kg)	Non-Industrial Not-To-Exceed DC RCL	NR 140 Groundwater Pathway Protection (DF=2)										
Benzene	1.49	0.0051	<0.0263	**11.8**	<0.0250	<0.0250	<0.0250	*0.0824J*	<0.0250	<0.0373	<0.0250	<0.0250
Ethylbenzene	7.47	1.57	<0.0263	*5.91*	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0373	<0.0250	<0.0250
Toluene	818	1.1072	<0.0263	*8.11*	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0373	<0.0250	<0.0250
Xylenes (Total)	258	3.9400	<0.0526	*21.090*	<0.050	<0.050	<0.050	<0.050	<0.050	<0.0746	<0.050	<0.050
Methly tert Butyl Ether	59.4	0.027	<0.0263	*0.120J*	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0373	<0.0250	<0.0250
1,2,4-Trimethylbenzene	89.8	NS	<0.0263	7.62	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0373	<0.0250	<0.0250
1,3,5-Trimethylbenzene	182	NS	<0.0263	2.43	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0373	<0.0250	<0.0250
Trimethylbenzenes (Total)	NS	1.3793	<0.0263	*10.05*	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0373	<0.0500	<0.0500
Naphthalene	5.15	0.6587	<0.0263	*2.15*	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0373	<0.0250	<0.0250

		Date -->	***5/22/17***	***5/22/17***	***5/22/17***	***5/22/17***	***5/22/17***	***5/22/17***	***5/22/17***	***5/22/17***	***5/22/17***	***5/22/17***
		Sample ID -->	***B6***	***B6***	***B7***	***B7***	***B8***	***B8***	***B9***	***B9***	***B10***	***B10***
		Sample Depth -->	***2-4***	***13-14***	***2-4***	***12-14***	***2-4***	***11-13***	***2-4***	***8-9***	***2-4***	***11-13***
		Percent Moisture -->	***15.6***	***27.3***	***11.2***	***30.6***	***12.0***	***30.4***	***19.6***	***15.3***	***19.7***	***26.5***
Petroleum VOC's (mg/kg)	Non-Industrial Not-To-Exceed DC RCL	NR 140 Groundwater Pathway Protection (DF=2)										
Benzene	1.49	0.0051	<0.0263	<0.0250	<0.0250	<0.0263	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Ethylbenzene	7.47	1.57	<0.0263	<0.0250	<0.0250	<0.0263	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Toluene	818	1.1072	<0.0263	<0.0250	<0.0250	<0.0263	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Xylenes (Total)	258	3.9400	<0.0526	<0.050	<0.050	<0.0526	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Methly tert Butyl Ether	59.4	0.027	<0.0263	<0.0250	<0.0250	<0.0263	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
1,2,4-Trimethylbenzene	89.8	NS	<0.0263	<0.0250	<0.0250	<0.0263	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
1,3,5-Trimethylbenzene	182	NS	<0.0263	<0.0250	<0.0250	<0.0263	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Trimethylbenzenes (Total)	NS	1.3793	<0.0263	<0.0500	<0.0500	<0.0263	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Naphthalene	5.15	0.6587	<0.0263	<0.0250	<0.0250	<0.0263	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250

Notes:

NR720 Standards Obtained From WDNR Online Excel Database
RCL - NR 720 Soil Residual Contaminant Level
DC - Direct Contact
< - Concentration below listed laboratory detection limit
NS - No Standard
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

Exceeds non-industrial not to exceed DC RCL	**BOLD**
Exceeds NR140 Groundwater Pathway Protection RCL	*Italic*

REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

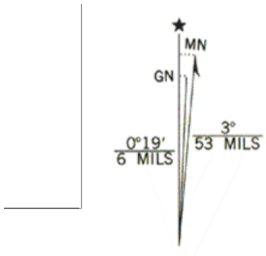
SCALE 1:24 000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929



UTM GRID AND 1982 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

FALUN, WIS.
SE/4 GRANTSBURG 15' QUADRANGLE
N4545–W9230/7.5
1982
DMA 2475 I SE–SERIES V861

QUADRANGLE LOCATION

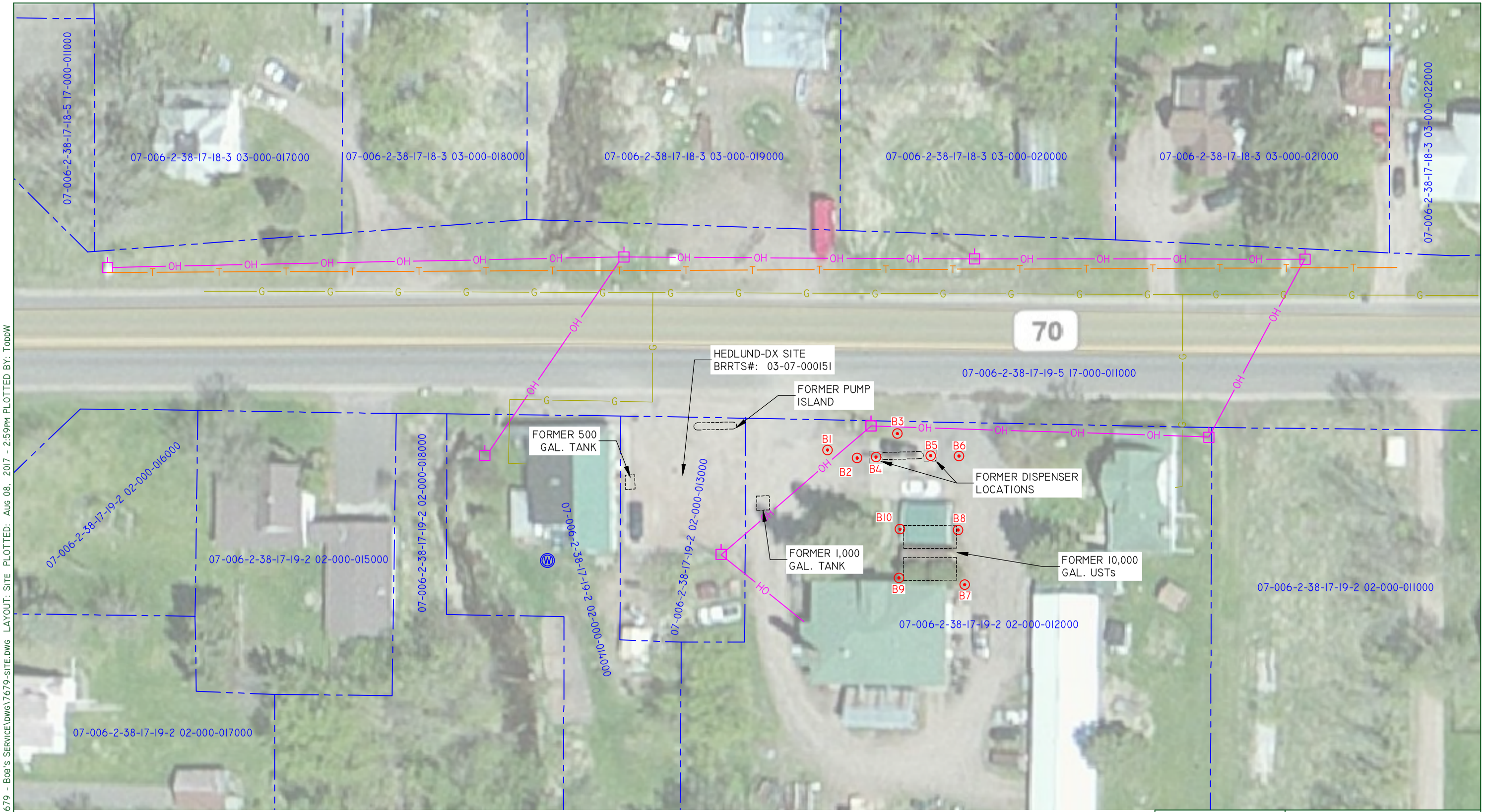
REI Engineering, INC.

BOB'S SERVICE
10545 STATE HIGHWAY 70
FALUN, WISCONSIN 54872

FIGURE 1 : SITE VICINITY MAP

PROJECT NO.	DRAWN BY:	DATE:
7679	AJG	7/5/2017

DRAWING FILE: P:\7600-7699\7679 - BOB'S SERVICE\DWG\7679-VICN.DWG LAYOUT: 7367-VICN PLOTTED: JUL 05, 2017 - 12:12PM PLOTTED BY: ALANG



DRAWING FILE: P:\7600-7699\7679 - BOB'S SERVICE\DWG\7679-SITE.DWG LAYOUT: SITE PLOTTED: AUG 08, 2017 - 2:59PM PLOTTED BY: TODDW

N

LEGEND

0 40

SCALE: 1" = 40'

- SOIL BORING
- POTABLE WELL
- UTILITY POLE
- OH — OVERHEAD UTILITIES LINE
- PROPERTY LINE (APPROXIMATE)
- G — GAS LINE
- T — TELEPHONE LINE

REI Engineering, INC.

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

BOB'S SERVICE
10545 STATE HIGHWAY 70
FALUN, WISCONSIN 54872

FIGURE 2 : SITE MAP

PROJECT No.	DRAWN BY:	DATE:
7679	TAW	8/8/2017

APPENDIX A

INVESTIGATIVE WASTE DISPOSAL DOCUMENTATION

LINCOLN COUNTY LANDFILL 715-536-9636
Site: N4750 Landfill Lane, Merrill, WI 54452
Mailing: 801 N Sales St, Ste 201, Merrill, WI 54452
OPERATING HOURS:
Monday-Friday
SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm
WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm
1st and 3rd Sat. 8:00 am - Noon

DATE: 5/31/2017 TICKET #: 230390 Vehicle #:
Time In: 08:54 AM Time Out: 08:54 AM

BILL TO: R.E.I.
HAULER : R.E.I.

JOB : 17 - 3 B - RE #7367axuc Hedlund DX, Falun
PO# : REI job #7367axuc

Continimated soil $150 minimum (CON MIN) 1 un
Gross: 1 Tare: 0 Net Weight: 1

Scale Notes: Charge Transaction

HAVE A NICE DAY!

Customer Signature _____
Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.

APPENDIX B

SOIL BORING LOGS AND ABANDONMENT FORMS

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

June 02, 2017

DAVID LARSEN
REI
4080 NORTH 20TH AVENUE
Wausau, WI 54401

RE: Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Dear DAVID LARSEN:
Enclosed are the analytical results for sample(s) received by the laboratory on May 24, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

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

Enclosures

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

CERTIFICATIONS

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: UST-078
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas Certification #: 88-0680
California Certification #: MN00064
CNMI Saipan Certification #:MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia WW Certification #: 382
Wisconsin Certification #: 999407970
Wyoming via EPA Region 8 Certification #: 8TMS-L

Green Bay Certification IDs

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

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

SAMPLE SUMMARY

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40150524001	**B1**	Water	05/22/17 15:35	05/24/17 09:00
40150524002	**B2**	Water	05/22/17 15:55	05/24/17 09:00
40150524003	**B6**	Water	05/22/17 17:35	05/24/17 09:00
40150524004	**B7**	Water	05/22/17 17:55	05/24/17 09:00
40150524005	**B10**	Water	05/22/17 19:00	05/24/17 09:00
40150524006	**B1 @ 2-4'**	Solid	05/22/17 14:38	05/24/17 09:00
40150524007	**B1 @ 8-9'**	Solid	05/22/17 14:44	05/24/17 09:00
40150524008	**B2 @ 2-4'**	Solid	05/22/17 15:09	05/24/17 09:00
40150524009	**B2 @ 13-14'**	Solid	05/22/17 15:18	05/24/17 09:00
40150524010	**B3 @ 2-4'**	Solid	05/22/17 15:40	05/24/17 09:00
40150524011	**B3 @ 13-14'**	Solid	05/22/17 15:45	05/24/17 09:00
40150524012	**B4 @ 2-4'**	Solid	05/22/17 16:02	05/24/17 09:00
40150524013	**B4 @ 8-9'**	Solid	05/22/17 16:08	05/24/17 09:00
40150524014	**B5 @ 2-4'**	Solid	05/22/17 16:30	05/24/17 09:00
40150524015	**B5 @ 12-14'**	Solid	05/22/17 16:35	05/24/17 09:00
40150524016	**B6 @ 2-4'**	Solid	05/22/17 16:55	05/24/17 09:00
40150524017	**B6 @ 13-14'**	Solid	05/22/17 17:05	05/24/17 09:00
40150524018	**B7 @ 2-4'**	Solid	05/22/17 17:26	05/24/17 09:00
40150524019	**B7 @ 12-14'**	Solid	05/22/17 17:34	05/24/17 09:00
40150524020	**B8 @ 2-4'**	Solid	05/22/17 17:44	05/24/17 09:00
40150524021	**B8 @ 11-13'**	Solid	05/22/17 18:00	05/24/17 09:00
40150524022	**B9 @ 2-4'**	Solid	05/22/17 18:20	05/24/17 09:00
40150524023	**B9 @ 8-9'**	Solid	05/22/17 18:25	05/24/17 09:00
40150524024	**B10 @ 2-4'**	Solid	05/22/17 18:38	05/24/17 09:00
40150524025	**B10 @ 11-13'**	Solid	05/22/17 18:47	05/24/17 09:00
40150524026	**POTABLE**	Water	05/22/17 16:10	05/24/17 09:00

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

SAMPLE ANALYTE COUNT

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40150524001	**B1**	WI MOD GRO	ALD	10	PASI-G
40150524002	**B2**	WI MOD GRO	ALD	10	PASI-G
40150524003	**B6**	WI MOD GRO	ALD	10	PASI-G
40150524004	**B7**	WI MOD GRO	ALD	10	PASI-G
40150524005	**B10**	WI MOD GRO	ALD	10	PASI-G
40150524006	**B1 @ 2-4'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524007	**B1 @ 8-9'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524008	**B2 @ 2-4'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524009	**B2 @ 13-14'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524010	**B3 @ 2-4'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524011	**B3 @ 13-14'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524012	**B4 @ 2-4'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524013	**B4 @ 8-9'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524014	**B5 @ 2-4'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524015	**B5 @ 12-14'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524016	**B6 @ 2-4'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G

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

SAMPLE ANALYTE COUNT

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974-87	KTS	1	PASI-G
40150524017	**B6 @ 13-14'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524018	**B7 @ 2-4'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524019	**B7 @ 12-14'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524020	**B8 @ 2-4'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524021	**B8 @ 11-13'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524022	**B9 @ 2-4'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524023	**B9 @ 8-9'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524024	**B10 @ 2-4'**	WI MOD GRO	PMS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524025	**B10 @ 11-13'**	WI MOD GRO	ALD	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40150524026	**POTABLE**	EPA 524.2	DJB	63	PASI-M

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

ANALYTICAL RESULTS

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Sample: B1 **Lab ID: 40150524001** Collected: 05/22/17 15:35 Received: 05/24/17 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1100**	ug/L	10.0	4.0	10		05/30/17 22:08	71-43-2	
Ethylbenzene	**553**	ug/L	10.0	3.9	10		05/30/17 22:08	100-41-4	
Methyl-tert-butyl ether	**12.1**	ug/L	10.0	4.8	10		05/30/17 22:08	1634-04-4	
Naphthalene	**77.6**	ug/L	10.0	4.2	10		05/30/17 22:08	91-20-3	
Toluene	**648**	ug/L	10.0	3.9	10		05/30/17 22:08	108-88-3	
1,2,4-Trimethylbenzene	**307**	ug/L	10.0	4.2	10		05/30/17 22:08	95-63-6	
1,3,5-Trimethylbenzene	**73.8**	ug/L	10.0	4.2	10		05/30/17 22:08	108-67-8	
m&p-Xylene	**1380**	ug/L	20.0	8.0	10		05/30/17 22:08	179601-23-1	
o-Xylene	**548**	ug/L	10.0	4.5	10		05/30/17 22:08	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		10		05/30/17 22:08	98-08-8	

Sample: B2 **Lab ID: 40150524002** Collected: 05/22/17 15:55 Received: 05/24/17 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		05/26/17 18:59	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		05/26/17 18:59	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		05/26/17 18:59	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		05/26/17 18:59	91-20-3	
Toluene	**0.43J**	ug/L	1.0	0.39	1		05/26/17 18:59	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/26/17 18:59	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/26/17 18:59	108-67-8	
m&p-Xylene	**<0.80**	ug/L	2.0	0.80	1		05/26/17 18:59	179601-23-1	
o-Xylene	**<0.45**	ug/L	1.0	0.45	1		05/26/17 18:59	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		05/26/17 18:59	98-08-8	

Sample: B6 **Lab ID: 40150524003** Collected: 05/22/17 17:35 Received: 05/24/17 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		05/26/17 19:25	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		05/26/17 19:25	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		05/26/17 19:25	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		05/26/17 19:25	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		05/26/17 19:25	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/26/17 19:25	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/26/17 19:25	108-67-8	
m&p-Xylene	**<0.80**	ug/L	2.0	0.80	1		05/26/17 19:25	179601-23-1	
o-Xylene	**<0.45**	ug/L	1.0	0.45	1		05/26/17 19:25	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Sample: B6 **Lab ID: 40150524003** Collected: 05/22/17 17:35 Received: 05/24/17 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		05/26/17 19:25	98-08-8	

Sample: B7 **Lab ID: 40150524004** Collected: 05/22/17 17:55 Received: 05/24/17 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		05/26/17 19:50	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		05/26/17 19:50	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		05/26/17 19:50	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		05/26/17 19:50	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		05/26/17 19:50	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/26/17 19:50	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/26/17 19:50	108-67-8	
m&p-Xylene	**<0.80**	ug/L	2.0	0.80	1		05/26/17 19:50	179601-23-1	
o-Xylene	**<0.45**	ug/L	1.0	0.45	1		05/26/17 19:50	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		05/26/17 19:50	98-08-8	

Sample: B10 **Lab ID: 40150524005** Collected: 05/22/17 19:00 Received: 05/24/17 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		05/26/17 18:08	71-43-2	
Ethylbenzene	**0.84J**	ug/L	1.0	0.39	1		05/26/17 18:08	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		05/26/17 18:08	1634-04-4	
Naphthalene	**2.3**	ug/L	1.0	0.42	1		05/26/17 18:08	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		05/26/17 18:08	108-88-3	
1,2,4-Trimethylbenzene	**17.1**	ug/L	1.0	0.42	1		05/26/17 18:08	95-63-6	
1,3,5-Trimethylbenzene	**2.3**	ug/L	1.0	0.42	1		05/26/17 18:08	108-67-8	
m&p-Xylene	**18.5**	ug/L	2.0	0.80	1		05/26/17 18:08	179601-23-1	
o-Xylene	**4.2**	ug/L	1.0	0.45	1		05/26/17 18:08	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		05/26/17 18:08	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Sample: B1 @ 2-4' **Lab ID: 40150524006** Collected: 05/22/17 14:38 Received: 05/24/17 09:00 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	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 10:40	71-43-2	W
Ethylbenzene	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 10:40	100-41-4	W
Methyl-tert-butyl ether	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 10:40	1634-04-4	W
Naphthalene	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 10:40	91-20-3	W
Toluene	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 10:40	108-88-3	W
1,2,4-Trimethylbenzene	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 10:40	95-63-6	W
1,3,5-Trimethylbenzene	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 10:40	108-67-8	W
m&p-Xylene	**<52.6**	ug/kg	126	52.6	1	05/26/17 08:00	05/26/17 10:40	179601-23-1	W
o-Xylene	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 10:40	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	05/26/17 08:00	05/26/17 10:40	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.5**	mg/kg	1.4	0.46	1	05/31/17 09:07	06/01/17 11:02	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.2**	%	0.10	0.10	1		05/26/17 14:48		

Sample: B1 @ 8-9' **Lab ID: 40150524007** Collected: 05/22/17 14:44 Received: 05/24/17 09:00 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	**11800**	ug/kg	121	50.3	1	05/26/17 08:00	05/26/17 16:39	71-43-2	
Ethylbenzene	**5910**	ug/kg	121	50.3	1	05/26/17 08:00	05/26/17 16:39	100-41-4	
Methyl-tert-butyl ether	**120J**	ug/kg	121	50.3	1	05/26/17 08:00	05/26/17 16:39	1634-04-4	
Naphthalene	**2150**	ug/kg	121	50.3	1	05/26/17 08:00	05/26/17 16:39	91-20-3	
Toluene	**8110**	ug/kg	121	50.3	1	05/26/17 08:00	05/26/17 16:39	108-88-3	
1,2,4-Trimethylbenzene	**7620**	ug/kg	121	50.3	1	05/26/17 08:00	05/26/17 16:39	95-63-6	
1,3,5-Trimethylbenzene	**2430**	ug/kg	121	50.3	1	05/26/17 08:00	05/26/17 16:39	108-67-8	
m&p-Xylene	**16200**	ug/kg	242	101	1	05/26/17 08:00	05/26/17 16:39	179601-23-1	
o-Xylene	**4890**	ug/kg	121	50.3	1	05/26/17 08:00	05/26/17 16:39	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%	80-120		1	05/26/17 08:00	05/26/17 16:39	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**14.4**	mg/kg	1.8	0.61	1	05/31/17 09:07	06/01/17 11:09	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**29.1**	%	0.10	0.10	1		05/26/17 15:36		

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Sample: B2 @ 2-4' **Lab ID: 40150524008** Collected: 05/22/17 15:09 Received: 05/24/17 09:00 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	60.0	25.0	1	05/26/17 08:00	05/26/17 11:06	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:06	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:06	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:06	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:06	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:06	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:06	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/26/17 08:00	05/26/17 11:06	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:06	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/26/17 08:00	05/26/17 11:06	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**10**	mg/kg	1.7	0.58	1	05/31/17 09:07	06/01/17 11:12	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**27.3**	%	0.10	0.10	1		05/26/17 15:36		

Sample: B2 @ 13-14' **Lab ID: 40150524009** Collected: 05/22/17 15:18 Received: 05/24/17 09:00 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	60.0	25.0	1	05/26/17 08:00	05/26/17 11:32	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:32	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:32	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:32	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:32	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:32	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:32	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/26/17 08:00	05/26/17 11:32	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:32	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/26/17 08:00	05/26/17 11:32	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**11.8**	mg/kg	1.7	0.55	1	05/31/17 09:07	06/01/17 11:14	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.2**	%	0.10	0.10	1		05/26/17 15:37		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Sample: B3 @ 2-4' **Lab ID: 40150524010** Collected: 05/22/17 15:40 Received: 05/24/17 09:00 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	60.0	25.0	1	05/26/17 08:00	05/26/17 11:57	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:57	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:57	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:57	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:57	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:57	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:57	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/26/17 08:00	05/26/17 11:57	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 11:57	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	05/26/17 08:00	05/26/17 11:57	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**6.7**	mg/kg	1.5	0.50	1	05/31/17 09:07	06/01/17 11:17	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.1**	%	0.10	0.10	1		05/26/17 15:37		

Sample: B3 @ 13-14' **Lab ID: 40150524011** Collected: 05/22/17 15:45 Received: 05/24/17 09:00 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	**82.4J**	ug/kg	86.4	36.0	1	05/26/17 08:00	05/26/17 12:23	71-43-2	
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 12:23	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 12:23	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 12:23	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 12:23	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 12:23	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 12:23	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/26/17 08:00	05/26/17 12:23	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 12:23	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/26/17 08:00	05/26/17 12:23	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**15.4**	mg/kg	1.8	0.60	1	05/31/17 09:07	06/01/17 11:19	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**30.5**	%	0.10	0.10	1		05/26/17 15:37		

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Sample: B4 @ 2-4' **Lab ID: 40150524012** Collected: 05/22/17 16:02 Received: 05/24/17 09:00 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	60.0	25.0	1	05/26/17 08:00	05/26/17 12:48	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 12:48	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 12:48	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 12:48	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 12:48	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 12:48	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 12:48	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/26/17 08:00	05/26/17 12:48	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 12:48	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/26/17 08:00	05/26/17 12:48	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**1.9**	mg/kg	1.5	0.49	1	05/31/17 09:07	06/01/17 10:56	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.9**	%	0.10	0.10	1		05/26/17 15:37		

Sample: B4 @ 8-9' **Lab ID: 40150524013** Collected: 05/22/17 16:08 Received: 05/24/17 09:00 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	**<37.3**	ug/kg	89.6	37.3	1	05/26/17 08:00	05/26/17 13:14	71-43-2	W
Ethylbenzene	**<37.3**	ug/kg	89.6	37.3	1	05/26/17 08:00	05/26/17 13:14	100-41-4	W
Methyl-tert-butyl ether	**<37.3**	ug/kg	89.6	37.3	1	05/26/17 08:00	05/26/17 13:14	1634-04-4	W
Naphthalene	**<37.3**	ug/kg	89.6	37.3	1	05/26/17 08:00	05/26/17 13:14	91-20-3	W
Toluene	**<37.3**	ug/kg	89.6	37.3	1	05/26/17 08:00	05/26/17 13:14	108-88-3	W
1,2,4-Trimethylbenzene	**<37.3**	ug/kg	89.6	37.3	1	05/26/17 08:00	05/26/17 13:14	95-63-6	W
1,3,5-Trimethylbenzene	**<37.3**	ug/kg	89.6	37.3	1	05/26/17 08:00	05/26/17 13:14	108-67-8	W
m&p-Xylene	**<74.6**	ug/kg	179	74.6	1	05/26/17 08:00	05/26/17 13:14	179601-23-1	W
o-Xylene	**<37.3**	ug/kg	89.6	37.3	1	05/26/17 08:00	05/26/17 13:14	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/26/17 08:00	05/26/17 13:14	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**2.2**	mg/kg	1.5	0.50	1	05/31/17 09:07	06/01/17 11:21	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.8**	%	0.10	0.10	1		05/26/17 15:37		

REPORT OF LABORATORY ANALYSIS

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

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Sample: B5 @ 2-4' **Lab ID: 40150524014** Collected: 05/22/17 16:30 Received: 05/24/17 09:00 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	60.0	25.0	1	05/26/17 08:00	05/26/17 13:40	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 13:40	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 13:40	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 13:40	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 13:40	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 13:40	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 13:40	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/26/17 08:00	05/26/17 13:40	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 13:40	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	05/26/17 08:00	05/26/17 13:40	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**5.8**	mg/kg	1.5	0.48	1	05/31/17 09:07	06/01/17 11:24	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.6**	%	0.10	0.10	1		05/26/17 15:37		

Sample: B5 @ 12-14' **Lab ID: 40150524015** Collected: 05/22/17 16:35 Received: 05/24/17 09:00 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	60.0	25.0	1	05/26/17 08:00	05/26/17 14:05	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 14:05	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 14:05	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 14:05	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 14:05	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 14:05	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 14:05	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/26/17 08:00	05/26/17 14:05	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 14:05	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/26/17 08:00	05/26/17 14:05	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**14.4**	mg/kg	1.6	0.55	1	05/31/17 09:07	06/01/17 11:26	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**30.3**	%	0.10	0.10	1		05/26/17 15:37		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Sample: B6 @ 2-4' **Lab ID: 40150524016** Collected: 05/22/17 16:55 Received: 05/24/17 09:00 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	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 20:03	71-43-2	W
Ethylbenzene	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 20:03	100-41-4	W
Methyl-tert-butyl ether	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 20:03	1634-04-4	W
Naphthalene	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 20:03	91-20-3	W
Toluene	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 20:03	108-88-3	W
1,2,4-Trimethylbenzene	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 20:03	95-63-6	W
1,3,5-Trimethylbenzene	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 20:03	108-67-8	W
m&p-Xylene	**<52.6**	ug/kg	126	52.6	1	05/26/17 08:00	05/26/17 20:03	179601-23-1	W
o-Xylene	**<26.3**	ug/kg	63.2	26.3	1	05/26/17 08:00	05/26/17 20:03	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/26/17 08:00	05/26/17 20:03	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.7**	mg/kg	1.5	0.50	1	05/31/17 09:07	06/01/17 11:28	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.6**	%	0.10	0.10	1		05/26/17 15:37		

Sample: B6 @ 13-14' **Lab ID: 40150524017** Collected: 05/22/17 17:05 Received: 05/24/17 09:00 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	60.0	25.0	1	05/26/17 08:00	05/26/17 20:29	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 20:29	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 20:29	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 20:29	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 20:29	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 20:29	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 20:29	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/26/17 08:00	05/26/17 20:29	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 20:29	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/26/17 08:00	05/26/17 20:29	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**14.0**	mg/kg	1.7	0.58	1	05/31/17 09:07	06/01/17 11:31	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**27.3**	%	0.10	0.10	1		05/26/17 15:37		

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Sample: B7 @ 2-4' **Lab ID: 40150524018** Collected: 05/22/17 17:26 Received: 05/24/17 09:00 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	60.0	25.0	1	05/26/17 08:00	05/26/17 20:54	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 20:54	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 20:54	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 20:54	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 20:54	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 20:54	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 20:54	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/26/17 08:00	05/26/17 20:54	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/26/17 08:00	05/26/17 20:54	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	05/26/17 08:00	05/26/17 20:54	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.7**	mg/kg	1.3	0.43	1	05/31/17 09:07	06/01/17 11:38	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.2**	%	0.10	0.10	1		05/26/17 15:37		

Sample: B7 @ 12-14' **Lab ID: 40150524019** Collected: 05/22/17 17:34 Received: 05/24/17 09:00 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	**<26.3**	ug/kg	63.2	26.3	1	05/30/17 08:00	05/30/17 11:20	71-43-2	W
Ethylbenzene	**<26.3**	ug/kg	63.2	26.3	1	05/30/17 08:00	05/30/17 11:20	100-41-4	W
Methyl-tert-butyl ether	**<26.3**	ug/kg	63.2	26.3	1	05/30/17 08:00	05/30/17 11:20	1634-04-4	W
Naphthalene	**<26.3**	ug/kg	63.2	26.3	1	05/30/17 08:00	05/30/17 11:20	91-20-3	W
Toluene	**<26.3**	ug/kg	63.2	26.3	1	05/30/17 08:00	05/30/17 11:20	108-88-3	W
1,2,4-Trimethylbenzene	**<26.3**	ug/kg	63.2	26.3	1	05/30/17 08:00	05/30/17 11:20	95-63-6	W
1,3,5-Trimethylbenzene	**<26.3**	ug/kg	63.2	26.3	1	05/30/17 08:00	05/30/17 11:20	108-67-8	W
m&p-Xylene	**<52.6**	ug/kg	126	52.6	1	05/30/17 08:00	05/30/17 11:20	179601-23-1	W
o-Xylene	**<26.3**	ug/kg	63.2	26.3	1	05/30/17 08:00	05/30/17 11:20	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/30/17 08:00	05/30/17 11:20	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**14.9**	mg/kg	1.7	0.57	1	05/31/17 09:07	06/01/17 11:40	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**30.6**	%	0.10	0.10	1		05/26/17 15:37		

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Sample: B8 @ 2-4' **Lab ID: 40150524020** Collected: 05/22/17 17:44 Received: 05/24/17 09:00 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	60.0	25.0	1	05/30/17 08:00	05/30/17 11:45	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 11:45	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 11:45	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 11:45	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 11:45	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 11:45	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 11:45	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/30/17 08:00	05/30/17 11:45	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 11:45	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	05/30/17 08:00	05/30/17 11:45	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**2.6**	mg/kg	1.3	0.43	1	05/31/17 09:07	06/01/17 11:43	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.0**	%	0.10	0.10	1		05/26/17 15:37		

Sample: B8 @ 11-13' **Lab ID: 40150524021** Collected: 05/22/17 18:00 Received: 05/24/17 09:00 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	60.0	25.0	1	05/30/17 08:00	05/30/17 12:11	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 12:11	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 12:11	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 12:11	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 12:11	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 12:11	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 12:11	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/30/17 08:00	05/30/17 12:11	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 12:11	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1	05/30/17 08:00	05/30/17 12:11	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**14.6**	mg/kg	1.7	0.57	1	05/31/17 09:07	06/01/17 11:45	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**30.4**	%	0.10	0.10	1		05/26/17 15:37		

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Sample: B9 @ 2-4' **Lab ID: 40150524022** Collected: 05/22/17 18:20 Received: 05/24/17 09:00 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	60.0	25.0	1	05/30/17 08:00	05/30/17 12:37	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 12:37	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 12:37	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 12:37	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 12:37	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 12:37	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 12:37	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/30/17 08:00	05/30/17 12:37	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 12:37	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	05/30/17 08:00	05/30/17 12:37	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**6.1**	mg/kg	1.5	0.49	1	05/31/17 09:07	06/01/17 11:47	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.6**	%	0.10	0.10	1		05/26/17 15:37		

Sample: B9 @ 8-9' **Lab ID: 40150524023** Collected: 05/22/17 18:25 Received: 05/24/17 09:00 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	60.0	25.0	1	05/30/17 08:00	05/30/17 13:02	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 13:02	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 13:02	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 13:02	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 13:02	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 13:02	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 13:02	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/30/17 08:00	05/30/17 13:02	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 13:02	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	05/30/17 08:00	05/30/17 13:02	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**2.3**	mg/kg	1.5	0.50	1	05/31/17 09:07	06/01/17 11:50	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.3**	%	0.10	0.10	1		05/26/17 15:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Sample: B10 @ 2-4' **Lab ID: 40150524024** Collected: 05/22/17 18:38 Received: 05/24/17 09:00 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	60.0	25.0	1	05/30/17 08:00	05/30/17 13:28	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 13:28	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 13:28	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 13:28	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 13:28	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 13:28	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 13:28	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/30/17 08:00	05/30/17 13:28	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/30/17 08:00	05/30/17 13:28	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1	05/30/17 08:00	05/30/17 13:28	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**9.1**	mg/kg	1.5	0.49	1	05/31/17 09:07	06/01/17 11:52	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.7**	%	0.10	0.10	1		05/26/17 14:48		

Sample: B10 @ 11-13' **Lab ID: 40150524025** Collected: 05/22/17 18:47 Received: 05/24/17 09:00 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	60.0	25.0	1	05/31/17 07:30	05/31/17 13:23	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/17 07:30	05/31/17 13:23	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/17 07:30	05/31/17 13:23	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/17 07:30	05/31/17 13:23	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/31/17 07:30	05/31/17 13:23	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/17 07:30	05/31/17 13:23	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/17 07:30	05/31/17 13:23	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/31/17 07:30	05/31/17 13:23	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/31/17 07:30	05/31/17 13:23	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1	05/31/17 07:30	05/31/17 13:23	98-08-8	1q,P4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**14.1**	mg/kg	1.7	0.57	1	05/31/17 09:07	06/01/17 11:54	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**26.5**	%	0.10	0.10	1		05/26/17 15:38		

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Sample: POTABLE **Lab ID: 40150524026** Collected: 05/22/17 16:10 Received: 05/24/17 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2								
Benzene	**<0.086**	ug/L	0.50	0.086	1		05/31/17 05:02	71-43-2	
Bromobenzene	**<0.081**	ug/L	0.50	0.081	1		05/31/17 05:02	108-86-1	
Bromochloromethane	**<0.16**	ug/L	1.0	0.16	1		05/31/17 05:02	74-97-5	
Bromodichloromethane	**<0.090**	ug/L	1.0	0.090	1		05/31/17 05:02	75-27-4	
Bromoform	**<0.23**	ug/L	4.0	0.23	1		05/31/17 05:02	75-25-2	
Bromomethane	**<0.20**	ug/L	4.0	0.20	1		05/31/17 05:02	74-83-9	
n-Butylbenzene	**<0.081**	ug/L	0.50	0.081	1		05/31/17 05:02	104-51-8	
sec-Butylbenzene	**<0.063**	ug/L	0.50	0.063	1		05/31/17 05:02	135-98-8	
tert-Butylbenzene	**<0.097**	ug/L	0.50	0.097	1		05/31/17 05:02	98-06-6	
Carbon tetrachloride	**<0.076**	ug/L	1.0	0.076	1		05/31/17 05:02	56-23-5	
Chlorobenzene	**<0.068**	ug/L	0.50	0.068	1		05/31/17 05:02	108-90-7	
Chloroethane	**<0.18**	ug/L	1.0	0.18	1		05/31/17 05:02	75-00-3	
Chloroform	**<0.10**	ug/L	1.0	0.10	1		05/31/17 05:02	67-66-3	
Chloromethane	**<0.21**	ug/L	4.0	0.21	1		05/31/17 05:02	74-87-3	L3
2-Chlorotoluene	**<0.11**	ug/L	0.50	0.11	1		05/31/17 05:02	95-49-8	
4-Chlorotoluene	**<0.10**	ug/L	0.50	0.10	1		05/31/17 05:02	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.18**	ug/L	4.0	0.18	1		05/31/17 05:02	96-12-8	
Dibromochloromethane	**<0.13**	ug/L	0.50	0.13	1		05/31/17 05:02	124-48-1	
1,2-Dibromoethane (EDB)	**<0.091**	ug/L	0.50	0.091	1		05/31/17 05:02	106-93-4	
Dibromomethane	**<0.098**	ug/L	1.0	0.098	1		05/31/17 05:02	74-95-3	
1,2-Dichlorobenzene	**<0.10**	ug/L	0.50	0.10	1		05/31/17 05:02	95-50-1	
1,3-Dichlorobenzene	**<0.082**	ug/L	0.50	0.082	1		05/31/17 05:02	541-73-1	
1,4-Dichlorobenzene	**<0.075**	ug/L	0.50	0.075	1		05/31/17 05:02	106-46-7	
Dichlorodifluoromethane	**<0.16**	ug/L	1.0	0.16	1		05/31/17 05:02	75-71-8	
1,1-Dichloroethane	**<0.088**	ug/L	0.50	0.088	1		05/31/17 05:02	75-34-3	
1,2-Dichloroethane	**<0.092**	ug/L	0.50	0.092	1		05/31/17 05:02	107-06-2	
1,1-Dichloroethene	**<0.089**	ug/L	0.50	0.089	1		05/31/17 05:02	75-35-4	
cis-1,2-Dichloroethene	**<0.085**	ug/L	0.50	0.085	1		05/31/17 05:02	156-59-2	
trans-1,2-Dichloroethene	**<0.11**	ug/L	0.50	0.11	1		05/31/17 05:02	156-60-5	
1,2-Dichloropropane	**<0.084**	ug/L	4.0	0.084	1		05/31/17 05:02	78-87-5	
1,3-Dichloropropane	**<0.094**	ug/L	0.50	0.094	1		05/31/17 05:02	142-28-9	
2,2-Dichloropropane	**<0.097**	ug/L	1.0	0.097	1		05/31/17 05:02	594-20-7	
1,1-Dichloropropene	**<0.080**	ug/L	0.50	0.080	1		05/31/17 05:02	563-58-6	
cis-1,3-Dichloropropene	**<0.071**	ug/L	0.50	0.071	1		05/31/17 05:02	10061-01-5	
trans-1,3-Dichloropropene	**<0.055**	ug/L	0.50	0.055	1		05/31/17 05:02	10061-02-6	
Ethylbenzene	**<0.051**	ug/L	0.50	0.051	1		05/31/17 05:02	100-41-4	
Hexachloro-1,3-butadiene	**<0.11**	ug/L	1.0	0.11	1		05/31/17 05:02	87-68-3	
Isopropylbenzene (Cumene)	**<0.11**	ug/L	0.50	0.11	1		05/31/17 05:02	98-82-8	
p-Isopropyltoluene	**<0.083**	ug/L	0.50	0.083	1		05/31/17 05:02	99-87-6	
Methylene Chloride	**<0.20**	ug/L	4.0	0.20	1		05/31/17 05:02	75-09-2	
Naphthalene	**<0.064**	ug/L	1.0	0.064	1		05/31/17 05:02	91-20-3	
n-Propylbenzene	**<0.096**	ug/L	0.50	0.096	1		05/31/17 05:02	103-65-1	
Styrene	**<0.075**	ug/L	0.50	0.075	1		05/31/17 05:02	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.062**	ug/L	0.50	0.062	1		05/31/17 05:02	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.11**	ug/L	0.50	0.11	1		05/31/17 05:02	79-34-5	
Tetrachloroethene	**<0.12**	ug/L	0.50	0.12	1		05/31/17 05:02	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Sample: POTABLE **Lab ID: 40150524026** Collected: 05/22/17 16:10 Received: 05/24/17 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2								
Toluene	**<0.080**	ug/L	0.50	0.080	1		05/31/17 05:02	108-88-3	
1,2,3-Trichlorobenzene	**<0.10**	ug/L	0.50	0.10	1		05/31/17 05:02	87-61-6	
1,2,4-Trichlorobenzene	**<0.12**	ug/L	0.50	0.12	1		05/31/17 05:02	120-82-1	
1,1,1-Trichloroethane	**<0.10**	ug/L	0.50	0.10	1		05/31/17 05:02	71-55-6	
1,1,2-Trichloroethane	**<0.098**	ug/L	0.50	0.098	1		05/31/17 05:02	79-00-5	
Trichloroethene	**<0.044**	ug/L	0.40	0.044	1		05/31/17 05:02	79-01-6	
Trichlorofluoromethane	**<0.13**	ug/L	0.50	0.13	1		05/31/17 05:02	75-69-4	
1,2,3-Trichloropropane	**<0.073**	ug/L	4.0	0.073	1		05/31/17 05:02	96-18-4	
1,2,4-Trimethylbenzene	**<0.083**	ug/L	0.50	0.083	1		05/31/17 05:02	95-63-6	
1,3,5-Trimethylbenzene	**<0.078**	ug/L	0.50	0.078	1		05/31/17 05:02	108-67-8	
Vinyl chloride	**<0.098**	ug/L	0.20	0.098	1		05/31/17 05:02	75-01-4	
Xylene (Total)	**<0.073**	ug/L	1.5	0.073	1		05/31/17 05:02	1330-20-7	
m&p-Xylene	**<0.073**	ug/L	1.0	0.073	1		05/31/17 05:02	179601-23-1	
o-Xylene	**<0.073**	ug/L	0.50	0.073	1		05/31/17 05:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	75-125		1		05/31/17 05:02	460-00-4	
Toluene-d8 (S)	102	%.	75-125		1		05/31/17 05:02	2037-26-5	
1,2-Dichloroethane-d4 (S)	107	%.	75-125		1		05/31/17 05:02	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

QC Batch: 256860 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40150524006, 40150524007, 40150524008, 40150524009, 40150524010, 40150524011, 40150524012, 40150524013, 40150524014, 40150524015, 40150524016, 40150524017, 40150524018

METHOD BLANK: 1513856 Matrix: Solid
Associated Lab Samples: 40150524006, 40150524007, 40150524008, 40150524009, 40150524010, 40150524011, 40150524012, 40150524013, 40150524014, 40150524015, 40150524016, 40150524017, 40150524018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	05/26/17 08:58	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	05/26/17 08:58	
Benzene	ug/kg	<25.0	50.0	05/26/17 08:58	
Ethylbenzene	ug/kg	<25.0	50.0	05/26/17 08:58	
m&p-Xylene	ug/kg	<50.0	100	05/26/17 08:58	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	05/26/17 08:58	
Naphthalene	ug/kg	<25.0	50.0	05/26/17 08:58	
o-Xylene	ug/kg	<25.0	50.0	05/26/17 08:58	
Toluene	ug/kg	<25.0	50.0	05/26/17 08:58	
a,a,a-Trifluorotoluene (S)	%	100	80-120	05/26/17 08:58	

LABORATORY CONTROL SAMPLE & LCSD: 1513857 1513858

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	1090	1080	109	108	80-120	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1070	1050	107	105	80-120	1	20	
Benzene	ug/kg	1000	1030	1020	103	102	80-120	1	20	
Ethylbenzene	ug/kg	1000	1060	1040	106	104	80-120	2	20	
m&p-Xylene	ug/kg	2000	2120	2080	106	104	80-120	2	20	
Methyl-tert-butyl ether	ug/kg	1000	991	998	99	100	80-120	1	20	
Naphthalene	ug/kg	1000	1080	1140	108	114	80-120	6	20	
o-Xylene	ug/kg	1000	1060	1040	106	104	80-120	1	20	
Toluene	ug/kg	1000	1040	1030	104	103	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				102	103	80-120			

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

QC Batch: 256994 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40150524019, 40150524020, 40150524021, 40150524022, 40150524023, 40150524024

METHOD BLANK: 1514829 Matrix: Solid
Associated Lab Samples: 40150524019, 40150524020, 40150524021, 40150524022, 40150524023, 40150524024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	05/30/17 09:16	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	05/30/17 09:16	
Benzene	ug/kg	<25.0	50.0	05/30/17 09:16	
Ethylbenzene	ug/kg	<25.0	50.0	05/30/17 09:16	
m&p-Xylene	ug/kg	<50.0	100	05/30/17 09:16	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	05/30/17 09:16	
Naphthalene	ug/kg	<25.0	50.0	05/30/17 09:16	
o-Xylene	ug/kg	<25.0	50.0	05/30/17 09:16	
Toluene	ug/kg	<25.0	50.0	05/30/17 09:16	
a,a,a-Trifluorotoluene (S)	%	100	80-120	05/30/17 09:16	

LABORATORY CONTROL SAMPLE & LCSD: 1514830 1514831

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	1080	1060	108	106	80-120	2	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1060	1040	106	104	80-120	2	20	
Benzene	ug/kg	1000	1010	990	101	99	80-120	2	20	
Ethylbenzene	ug/kg	1000	1050	1030	105	103	80-120	2	20	
m&p-Xylene	ug/kg	2000	2100	2060	105	103	80-120	2	20	
Methyl-tert-butyl ether	ug/kg	1000	999	964	100	96	80-120	4	20	
Naphthalene	ug/kg	1000	1110	1070	111	107	80-120	3	20	
o-Xylene	ug/kg	1000	1050	1030	105	103	80-120	2	20	
Toluene	ug/kg	1000	1030	1010	103	101	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				102	102	80-120			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

QC Batch: 257157 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40150524025

METHOD BLANK: 1515331 Matrix: Solid
Associated Lab Samples: 40150524025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	05/31/17 09:07	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	05/31/17 09:07	
Benzene	ug/kg	<25.0	50.0	05/31/17 09:07	
Ethylbenzene	ug/kg	<25.0	50.0	05/31/17 09:07	
m&p-Xylene	ug/kg	<50.0	100	05/31/17 09:07	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	05/31/17 09:07	
Naphthalene	ug/kg	<25.0	50.0	05/31/17 09:07	
o-Xylene	ug/kg	<25.0	50.0	05/31/17 09:07	
Toluene	ug/kg	<25.0	50.0	05/31/17 09:07	
a,a,a-Trifluorotoluene (S)	%	97	80-120	05/31/17 09:07	

LABORATORY CONTROL SAMPLE & LCSD: 1515332 1515333

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	1080	1070	108	107	80-120	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1050	1040	105	104	80-120	1	20	
Benzene	ug/kg	1000	989	1000	99	100	80-120	1	20	
Ethylbenzene	ug/kg	1000	1050	1040	105	104	80-120	0	20	
m&p-Xylene	ug/kg	2000	2080	2060	104	103	80-120	1	20	
Methyl-tert-butyl ether	ug/kg	1000	988	1010	99	101	80-120	2	20	
Naphthalene	ug/kg	1000	1140	1150	114	115	80-120	1	20	
o-Xylene	ug/kg	1000	1040	1040	104	104	80-120	1	20	
Toluene	ug/kg	1000	1010	1020	101	102	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				97	97	80-120			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

QC Batch: 256856 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40150524001, 40150524002, 40150524003, 40150524004, 40150524005

METHOD BLANK: 1513837 Matrix: Water
Associated Lab Samples: 40150524001, 40150524002, 40150524003, 40150524004, 40150524005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	05/26/17 08:39	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	05/26/17 08:39	
Benzene	ug/L	<0.40	1.0	05/26/17 08:39	
Ethylbenzene	ug/L	<0.39	1.0	05/26/17 08:39	
m&p-Xylene	ug/L	<0.80	2.0	05/26/17 08:39	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	05/26/17 08:39	
Naphthalene	ug/L	<0.42	1.0	05/26/17 08:39	
o-Xylene	ug/L	<0.45	1.0	05/26/17 08:39	
Toluene	ug/L	<0.39	1.0	05/26/17 08:39	
a,a,a-Trifluorotoluene (S)	%	101	80-120	05/26/17 08:39	

LABORATORY CONTROL SAMPLE & LCSD: 1513838 1513839

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	21.5	106	107	80-120	1	20	
1,3,5-Trimethylbenzene	ug/L	20	20.6	20.8	103	104	80-120	1	20	
Benzene	ug/L	20	21.9	22.1	110	111	80-120	1	20	
Ethylbenzene	ug/L	20	22.1	22.3	110	111	80-120	1	20	
m&p-Xylene	ug/L	40	43.4	43.9	108	110	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	19.2	19.0	96	95	80-120	1	20	
Naphthalene	ug/L	20	21.6	22.0	108	110	80-120	2	20	
o-Xylene	ug/L	20	21.5	21.9	108	109	80-120	2	20	
Toluene	ug/L	20	21.7	21.9	109	110	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				100	101	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1514033 1514034

Parameter	Units	40150522008 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	440	200	200	719	717	139	138	11-200	0	20	
1,3,5-Trimethylbenzene	ug/L	123	200	200	359	364	118	120	54-142	1	20	
Benzene	ug/L	177	200	200	368	372	96	97	66-140	1	20	
Ethylbenzene	ug/L	497	200	200	710	708	107	105	66-143	0	20	
m&p-Xylene	ug/L	813	400	400	1280	1280	117	117	60-141	0	20	
Methyl-tert-butyl ether	ug/L	6.8J	200	200	187	193	90	93	70-129	3	20	
Naphthalene	ug/L	62.7	200	200	271	279	104	108	64-129	3	20	
o-Xylene	ug/L	128	200	200	335	339	104	106	68-132	1	20	
Toluene	ug/L	167	200	200	371	374	102	104	76-130	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1514033 1514034

Parameter	Units	40150522008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
a,a,a-Trifluorotoluene (S)	%						101	104	80-120			

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

QC Batch: 256926 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 40150524006, 40150524007, 40150524008, 40150524009, 40150524010, 40150524011, 40150524012, 40150524013, 40150524014, 40150524015, 40150524016, 40150524017, 40150524018, 40150524019, 40150524020, 40150524021, 40150524022, 40150524023, 40150524024, 40150524025

METHOD BLANK: 1514232 Matrix: Solid
Associated Lab Samples: 40150524006, 40150524007, 40150524008, 40150524009, 40150524010, 40150524011, 40150524012, 40150524013, 40150524014, 40150524015, 40150524016, 40150524017, 40150524018, 40150524019, 40150524020, 40150524021, 40150524022, 40150524023, 40150524024, 40150524025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.43	1.3	06/01/17 10:51	

LABORATORY CONTROL SAMPLE: 1514233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	49.2	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1514234 1514235

Parameter	Units	40150524012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	1.9	56.5	56.7	56.4	58.9	96	100	75-125	4	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

QC Batch: 476839 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 40150524026

METHOD BLANK: 2599376 Matrix: Water
Associated Lab Samples: 40150524026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.062	0.50	05/31/17 01:24	
1,1,1-Trichloroethane	ug/L	<0.10	0.50	05/31/17 01:24	
1,1,2,2-Tetrachloroethane	ug/L	<0.11	0.50	05/31/17 01:24	
1,1,2-Trichloroethane	ug/L	<0.098	0.50	05/31/17 01:24	
1,1-Dichloroethane	ug/L	<0.088	0.50	05/31/17 01:24	
1,1-Dichloroethene	ug/L	<0.089	0.50	05/31/17 01:24	
1,1-Dichloropropene	ug/L	<0.080	0.50	05/31/17 01:24	
1,2,3-Trichlorobenzene	ug/L	<0.10	0.50	05/31/17 01:24	
1,2,3-Trichloropropane	ug/L	<0.073	4.0	05/31/17 01:24	
1,2,4-Trichlorobenzene	ug/L	<0.12	0.50	05/31/17 01:24	
1,2,4-Trimethylbenzene	ug/L	<0.083	0.50	05/31/17 01:24	
1,2-Dibromo-3-chloropropane	ug/L	<0.18	4.0	05/31/17 01:24	
1,2-Dibromoethane (EDB)	ug/L	<0.091	0.50	05/31/17 01:24	
1,2-Dichlorobenzene	ug/L	<0.10	0.50	05/31/17 01:24	
1,2-Dichloroethane	ug/L	<0.092	0.50	05/31/17 01:24	
1,2-Dichloropropane	ug/L	<0.084	4.0	05/31/17 01:24	
1,3,5-Trimethylbenzene	ug/L	<0.078	0.50	05/31/17 01:24	
1,3-Dichlorobenzene	ug/L	<0.082	0.50	05/31/17 01:24	
1,3-Dichloropropane	ug/L	<0.094	0.50	05/31/17 01:24	
1,4-Dichlorobenzene	ug/L	<0.075	0.50	05/31/17 01:24	
2,2-Dichloropropane	ug/L	<0.097	1.0	05/31/17 01:24	
2-Chlorotoluene	ug/L	<0.11	0.50	05/31/17 01:24	
4-Chlorotoluene	ug/L	<0.10	0.50	05/31/17 01:24	
Benzene	ug/L	<0.086	0.50	05/31/17 01:24	
Bromobenzene	ug/L	<0.081	0.50	05/31/17 01:24	
Bromochloromethane	ug/L	<0.16	1.0	05/31/17 01:24	
Bromodichloromethane	ug/L	<0.090	1.0	05/31/17 01:24	
Bromoform	ug/L	<0.23	4.0	05/31/17 01:24	
Bromomethane	ug/L	<0.20	4.0	05/31/17 01:24	
Carbon tetrachloride	ug/L	<0.076	1.0	05/31/17 01:24	
Chlorobenzene	ug/L	<0.068	0.50	05/31/17 01:24	
Chloroethane	ug/L	<0.18	1.0	05/31/17 01:24	
Chloroform	ug/L	<0.10	1.0	05/31/17 01:24	
Chloromethane	ug/L	<0.21	4.0	05/31/17 01:24	
cis-1,2-Dichloroethene	ug/L	<0.085	0.50	05/31/17 01:24	
cis-1,3-Dichloropropene	ug/L	<0.071	0.50	05/31/17 01:24	
Dibromochloromethane	ug/L	<0.13	0.50	05/31/17 01:24	
Dibromomethane	ug/L	<0.098	1.0	05/31/17 01:24	
Dichlorodifluoromethane	ug/L	<0.16	1.0	05/31/17 01:24	
Ethylbenzene	ug/L	<0.051	0.50	05/31/17 01:24	
Hexachloro-1,3-butadiene	ug/L	<0.11	1.0	05/31/17 01:24	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

METHOD BLANK: 2599376 Matrix: Water
Associated Lab Samples: 40150524026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	ug/L	<0.11	0.50	05/31/17 01:24	
m&p-Xylene	ug/L	<0.073	1.0	05/31/17 01:24	
Methylene Chloride	ug/L	<0.20	4.0	05/31/17 01:24	
n-Butylbenzene	ug/L	<0.081	0.50	05/31/17 01:24	
n-Propylbenzene	ug/L	<0.096	0.50	05/31/17 01:24	
Naphthalene	ug/L	<0.064	1.0	05/31/17 01:24	
o-Xylene	ug/L	<0.073	0.50	05/31/17 01:24	
p-Isopropyltoluene	ug/L	<0.083	0.50	05/31/17 01:24	
sec-Butylbenzene	ug/L	<0.063	0.50	05/31/17 01:24	
Styrene	ug/L	<0.075	0.50	05/31/17 01:24	
tert-Butylbenzene	ug/L	<0.097	0.50	05/31/17 01:24	
Tetrachloroethene	ug/L	<0.12	0.50	05/31/17 01:24	
Toluene	ug/L	<0.080	0.50	05/31/17 01:24	
trans-1,2-Dichloroethene	ug/L	<0.11	0.50	05/31/17 01:24	
trans-1,3-Dichloropropene	ug/L	<0.055	0.50	05/31/17 01:24	
Trichloroethene	ug/L	<0.044	0.40	05/31/17 01:24	
Trichlorofluoromethane	ug/L	<0.13	0.50	05/31/17 01:24	
Vinyl chloride	ug/L	<0.098	0.20	05/31/17 01:24	
Xylene (Total)	ug/L	<0.073	1.5	05/31/17 01:24	
1,2-Dichloroethane-d4 (S)	%.	109	75-125	05/31/17 01:24	
4-Bromofluorobenzene (S)	%.	101	75-125	05/31/17 01:24	
Toluene-d8 (S)	%.	101	75-125	05/31/17 01:24	

LABORATORY CONTROL SAMPLE & LCSD: 2599377 2599378

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.5	17.0	87	85	70-130	3	20	
1,1,1-Trichloroethane	ug/L	20	20.6	19.6	103	98	70-130	5	20	
1,1,2,2-Tetrachloroethane	ug/L	20	19.4	19.6	97	98	70-130	1	20	
1,1,2-Trichloroethane	ug/L	20	19.8	19.5	99	97	70-130	2	20	
1,1-Dichloroethane	ug/L	20	21.3	20.3	106	102	70-130	5	20	
1,1-Dichloroethene	ug/L	20	21.1	19.9	105	100	70-130	6	20	
1,1-Dichloropropene	ug/L	20	21.5	19.9	107	99	70-130	8	20	
1,2,3-Trichlorobenzene	ug/L	20	18.4	19.0	92	95	70-130	3	20	
1,2,3-Trichloropropane	ug/L	20	19.6	19.1	98	96	70-130	2	20	
1,2,4-Trichlorobenzene	ug/L	20	19.0	19.6	95	98	70-130	3	20	
1,2,4-Trimethylbenzene	ug/L	20	20.3	19.6	101	98	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	50	43.9	44.9	88	90	70-130	2	20	
1,2-Dibromoethane (EDB)	ug/L	20	19.3	19.3	96	96	70-130	0	20	
1,2-Dichlorobenzene	ug/L	20	20.2	19.8	101	99	70-130	2	20	
1,2-Dichloroethane	ug/L	20	19.4	18.9	97	95	70-130	2	20	
1,2-Dichloropropane	ug/L	20	19.9	19.4	99	97	70-130	2	20	
1,3,5-Trimethylbenzene	ug/L	20	20.0	19.6	100	98	70-130	2	20	
1,3-Dichlorobenzene	ug/L	20	20.0	19.5	100	97	70-130	3	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

LABORATORY CONTROL SAMPLE & LCSD: 2599377 2599378

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,3-Dichloropropane	ug/L	20	20.0	19.3	100	97	70-130	3	20	
1,4-Dichlorobenzene	ug/L	20	18.8	18.8	94	94	70-130	0	20	
2,2-Dichloropropane	ug/L	20	17.9	17.0	90	85	70-130	5	20	
2-Chlorotoluene	ug/L	20	19.5	19.1	98	95	70-130	2	20	
4-Chlorotoluene	ug/L	20	19.9	19.5	99	97	70-130	2	20	
Benzene	ug/L	20	20.0	19.7	100	99	70-130	1	20	
Bromobenzene	ug/L	20	19.9	19.1	99	95	70-130	4	20	
Bromochloromethane	ug/L	20	21.9	21.3	110	106	70-130	3	20	
Bromodichloromethane	ug/L	20	17.8	17.1	89	85	70-130	4	20	
Bromoform	ug/L	20	14.4	14.3	72	71	70-130	1	20	
Bromomethane	ug/L	20	17.2	17.4	86	87	70-130	1	20	
Carbon tetrachloride	ug/L	20	16.3	15.9	82	80	70-130	2	20	
Chlorobenzene	ug/L	20	19.4	18.7	97	93	70-130	4	20	
Chloroethane	ug/L	20	22.3	21.2	111	106	70-130	5	20	
Chloroform	ug/L	20	20.9	19.9	105	100	70-130	5	20	
Chloromethane	ug/L	20	26.9	25.4	134	127	70-130	6	20	CH,L1
cis-1,2-Dichloroethene	ug/L	20	21.0	20.3	105	101	70-130	4	20	
cis-1,3-Dichloropropene	ug/L	20	18.1	17.6	91	88	70-130	3	20	
Dibromochloromethane	ug/L	20	16.9	16.9	85	85	70-130	0	20	
Dibromomethane	ug/L	20	19.8	19.9	99	99	70-130	0	20	
Dichlorodifluoromethane	ug/L	20	23.3	22.1	116	111	70-130	5	20	
Ethylbenzene	ug/L	20	19.5	18.5	98	92	70-130	5	20	
Hexachloro-1,3-butadiene	ug/L	20	19.5	19.5	97	97	70-130	0	20	
Isopropylbenzene (Cumene)	ug/L	20	20.3	19.5	102	98	70-130	4	20	
m&p-Xylene	ug/L	40	41.5	39.6	104	99	70-130	5	20	
Methylene Chloride	ug/L	20	20.4	19.6	102	98	70-130	4	20	
n-Butylbenzene	ug/L	20	20.3	19.9	101	99	70-130	2	20	
n-Propylbenzene	ug/L	20	19.7	19.3	98	96	70-130	2	20	
Naphthalene	ug/L	20	17.6	18.4	88	92	70-130	4	20	
o-Xylene	ug/L	20	20.5	19.6	103	98	70-130	4	20	
p-Isopropyltoluene	ug/L	20	20.1	19.7	101	98	70-130	3	20	
sec-Butylbenzene	ug/L	20	20.1	19.5	101	98	70-130	3	20	
Styrene	ug/L	20	20.9	20.2	105	101	70-130	3	20	
tert-Butylbenzene	ug/L	20	20.2	19.4	101	97	70-130	4	20	
Tetrachloroethene	ug/L	20	18.9	17.9	94	89	70-130	5	20	
Toluene	ug/L	20	19.2	18.2	96	91	70-130	6	20	
trans-1,2-Dichloroethene	ug/L	20	21.6	20.9	108	105	70-130	3	20	
trans-1,3-Dichloropropene	ug/L	20	16.2	15.9	81	80	70-130	2	20	
Trichloroethene	ug/L	20	18.9	18.1	94	91	70-130	4	20	
Trichlorofluoromethane	ug/L	20	21.1	20.2	106	101	70-130	5	20	
Vinyl chloride	ug/L	20	24.2	23.6	121	118	70-130	2	20	
Xylene (Total)	ug/L	60	62.0	59.2	103	99	70-130	5	20	
1,2-Dichloroethane-d4 (S)	%.				107	104	75-125			
4-Bromofluorobenzene (S)	%.				99	101	75-125			
Toluene-d8 (S)	%.				104	102	75-125			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

MATRIX SPIKE SAMPLE: 2599379

Parameter	Units	40150528001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.062	20	16.5	83	70-130	
1,1,1-Trichloroethane	ug/L	<0.10	20	21.3	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	<0.11	20	19.2	96	70-130	
1,1,2-Trichloroethane	ug/L	<0.098	20	19.3	97	70-130	
1,1-Dichloroethane	ug/L	<0.088	20	21.5	107	70-130	
1,1-Dichloroethene	ug/L	<0.089	20	22.5	113	70-130	
1,1-Dichloropropene	ug/L	<0.080	20	21.8	109	70-130	
1,2,3-Trichlorobenzene	ug/L	<0.10	20	18.6	93	70-130	
1,2,3-Trichloropropane	ug/L	<0.073	20	19.0	95	70-130	
1,2,4-Trichlorobenzene	ug/L	<0.12	20	18.9	94	70-130	
1,2,4-Trimethylbenzene	ug/L	<0.083	20	19.7	98	70-130	
1,2-Dibromo-3-chloropropane	ug/L	<0.18	50	44.8	90	70-130	
1,2-Dibromoethane (EDB)	ug/L	<0.091	20	19.0	95	70-130	
1,2-Dichlorobenzene	ug/L	<0.10	20	19.3	96	70-130	
1,2-Dichloroethane	ug/L	<0.092	20	19.1	95	70-130	
1,2-Dichloropropane	ug/L	<0.084	20	19.4	97	70-130	
1,3,5-Trimethylbenzene	ug/L	<0.078	20	19.3	97	70-130	
1,3-Dichlorobenzene	ug/L	<0.082	20	19.4	97	70-130	
1,3-Dichloropropane	ug/L	<0.094	20	19.3	97	70-130	
1,4-Dichlorobenzene	ug/L	<0.075	20	18.4	92	70-130	
2,2-Dichloropropane	ug/L	<0.097	20	18.5	93	70-130	
2-Chlorotoluene	ug/L	<0.11	20	19.0	95	70-130	
4-Chlorotoluene	ug/L	<0.10	20	19.1	96	70-130	
Benzene	ug/L	<0.086	20	20.5	103	70-130	
Bromobenzene	ug/L	<0.081	20	18.8	94	70-130	
Bromochloromethane	ug/L	<0.16	20	21.7	108	70-130	
Bromodichloromethane	ug/L	<0.090	20	17.1	85	70-130	
Bromoform	ug/L	<0.23	20	13.4	67	70-130	M1
Bromomethane	ug/L	<0.20	20	19.4	97	70-130	
Carbon tetrachloride	ug/L	<0.076	20	16.6	83	70-130	
Chlorobenzene	ug/L	<0.068	20	18.7	93	70-130	
Chloroethane	ug/L	<0.18	20	27.5	137	70-130	M1
Chloroform	ug/L	<0.10	20	20.8	104	70-130	
Chloromethane	ug/L	<0.21	20	28.5	143	70-130	CH,M0
cis-1,2-Dichloroethene	ug/L	<0.085	20	21.4	107	70-130	
cis-1,3-Dichloropropene	ug/L	<0.071	20	16.2	81	70-130	
Dibromochloromethane	ug/L	<0.13	20	15.7	78	70-130	
Dibromomethane	ug/L	<0.098	20	18.9	95	70-130	
Dichlorodifluoromethane	ug/L	<0.16	20	29.5	148	70-130	M1
Ethylbenzene	ug/L	<0.051	20	18.8	94	70-130	
Hexachloro-1,3-butadiene	ug/L	<0.11	20	20.5	103	70-130	
Isopropylbenzene (Cumene)	ug/L	<0.11	20	20.0	100	70-130	
m&p-Xylene	ug/L	<0.073	40	40.2	100	70-130	
Methylene Chloride	ug/L	<0.20	20	20.0	100	70-130	
n-Butylbenzene	ug/L	<0.081	20	20.2	101	70-130	
n-Propylbenzene	ug/L	<0.096	20	19.2	96	70-130	
Naphthalene	ug/L	<0.064	20	18.2	91	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

MATRIX SPIKE SAMPLE: 2599379

Parameter	Units	40150528001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	<0.073	20	19.8	99	70-130	
p-Isopropyltoluene	ug/L	<0.083	20	20.0	100	70-130	
sec-Butylbenzene	ug/L	<0.063	20	19.8	99	70-130	
Styrene	ug/L	<0.075	20	20.1	100	70-130	
tert-Butylbenzene	ug/L	<0.097	20	19.5	97	70-130	
Tetrachloroethene	ug/L	<0.12	20	18.6	93	70-130	
Toluene	ug/L	<0.080	20	18.4	92	70-130	
trans-1,2-Dichloroethene	ug/L	<0.11	20	22.5	112	70-130	
trans-1,3-Dichloropropene	ug/L	<0.055	20	14.6	73	70-130	
Trichloroethene	ug/L	<0.044	20	18.4	92	70-130	
Trichlorofluoromethane	ug/L	<0.13	20	25.4	127	70-130	
Vinyl chloride	ug/L	<0.098	20	27.2	136	70-130	M1
Xylene (Total)	ug/L	<0.073	60	59.9	100	70-130	
1,2-Dichloroethane-d4 (S)	%.				106	75-125	
4-Bromofluorobenzene (S)	%.				101	75-125	
Toluene-d8 (S)	%.				103	75-125	

SAMPLE DUPLICATE: 2599380

Parameter	Units	40150528002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.062	<0.062		20	
1,1,1-Trichloroethane	ug/L	<0.10	<0.10		20	
1,1,2,2-Tetrachloroethane	ug/L	<0.11	<0.11		20	
1,1,2-Trichloroethane	ug/L	<0.098	<0.098		20	
1,1-Dichloroethane	ug/L	<0.088	<0.088		20	
1,1-Dichloroethene	ug/L	<0.089	<0.089		20	
1,1-Dichloropropene	ug/L	<0.080	<0.080		20	
1,2,3-Trichlorobenzene	ug/L	<0.10	<0.10		20	
1,2,3-Trichloropropane	ug/L	<0.073	<0.073		20	
1,2,4-Trichlorobenzene	ug/L	<0.12	<0.12		20	
1,2,4-Trimethylbenzene	ug/L	<0.083	<0.083		20	
1,2-Dibromo-3-chloropropane	ug/L	<0.18	<0.18		20	
1,2-Dibromoethane (EDB)	ug/L	<0.091	<0.091		20	
1,2-Dichlorobenzene	ug/L	<0.10	<0.10		20	
1,2-Dichloroethane	ug/L	<0.092	<0.092		20	
1,2-Dichloropropane	ug/L	<0.084	<0.084		20	
1,3,5-Trimethylbenzene	ug/L	<0.078	<0.078		20	
1,3-Dichlorobenzene	ug/L	<0.082	<0.082		20	
1,3-Dichloropropane	ug/L	<0.094	<0.094		20	
1,4-Dichlorobenzene	ug/L	<0.075	<0.075		20	
2,2-Dichloropropane	ug/L	<0.097	<0.097		20	
2-Chlorotoluene	ug/L	<0.11	<0.11		20	
4-Chlorotoluene	ug/L	<0.10	<0.10		20	
Benzene	ug/L	<0.086	<0.086		20	
Bromobenzene	ug/L	<0.081	<0.081		20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

SAMPLE DUPLICATE: 2599380

Parameter	Units	40150528002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromochloromethane	ug/L	<0.16	<0.16		20	
Bromodichloromethane	ug/L	3.0	3.2	6	20	
Bromoform	ug/L	<0.23	<0.23		20	
Bromomethane	ug/L	<0.20	<0.20		20	
Carbon tetrachloride	ug/L	<0.076	<0.076		20	
Chlorobenzene	ug/L	<0.068	<0.068		20	
Chloroethane	ug/L	<0.18	<0.18		20	
Chloroform	ug/L	19.8	21.2	7	20	
Chloromethane	ug/L	4.7	5.3	11	20	CH
cis-1,2-Dichloroethene	ug/L	<0.085	<0.085		20	
cis-1,3-Dichloropropene	ug/L	<0.071	<0.071		20	
Dibromochloromethane	ug/L	0.33J	0.38J		20	
Dibromomethane	ug/L	<0.098	<0.098		20	
Dichlorodifluoromethane	ug/L	<0.16	<0.16		20	
Ethylbenzene	ug/L	<0.051	<0.051		20	
Hexachloro-1,3-butadiene	ug/L	<0.11	<0.11		20	
Isopropylbenzene (Cumene)	ug/L	<0.11	<0.11		20	
m&p-Xylene	ug/L	<0.073	<0.073		20	
Methylene Chloride	ug/L	<0.20	<0.20		20	
n-Butylbenzene	ug/L	<0.081	<0.081		20	
n-Propylbenzene	ug/L	<0.096	<0.096		20	
Naphthalene	ug/L	<0.064	<0.064		20	
o-Xylene	ug/L	<0.073	<0.073		20	
p-Isopropyltoluene	ug/L	<0.083	<0.083		20	
sec-Butylbenzene	ug/L	<0.063	<0.063		20	
Styrene	ug/L	<0.075	<0.075		20	
tert-Butylbenzene	ug/L	<0.097	<0.097		20	
Tetrachloroethene	ug/L	<0.12	<0.12		20	
Toluene	ug/L	<0.080	<0.080		20	
trans-1,2-Dichloroethene	ug/L	<0.11	<0.11		20	
trans-1,3-Dichloropropene	ug/L	<0.055	<0.055		20	
Trichloroethene	ug/L	<0.044	<0.044		20	
Trichlorofluoromethane	ug/L	<0.13	<0.13		20	
Vinyl chloride	ug/L	<0.098	<0.098		20	
Xylene (Total)	ug/L	<0.073	<0.073		20	
1,2-Dichloroethane-d4 (S)	%.	107	109	1		
4-Bromofluorobenzene (S)	%.	100	100	1		
Toluene-d8 (S)	%.	102	103	1		

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

QC Batch: 256948 | Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40150524006, 40150524024

SAMPLE DUPLICATE: 1514324

Parameter	Units	40150524024 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.7	19.7	0	10	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

QC Batch: 256956 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40150524007, 40150524008, 40150524009, 40150524010, 40150524011, 40150524012, 40150524013, 40150524014, 40150524015, 40150524016, 40150524017, 40150524018, 40150524019, 40150524020, 40150524021, 40150524022, 40150524023, 40150524025

SAMPLE DUPLICATE: 1514414

Parameter	Units	40150524007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	29.1	29.0	0	10	

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

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

BATCH QUALIFIERS

Batch: 476839

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

ANALYTE QUALIFIERS

1q	Results are from sample aliquot taken from a jar with head space and preserved with MeOH in the laboratory.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P4	Sample field preservation does not meet EPA or method recommendations for this analysis.
W	Non-detect results are reported on a wet weight basis.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40150524006	**B1 @ 2-4'**	TPH GRO/PVOC WI ext.	256860	WI MOD GRO	256979
40150524007	**B1 @ 8-9'**	TPH GRO/PVOC WI ext.	256860	WI MOD GRO	256979
40150524008	**B2 @ 2-4'**	TPH GRO/PVOC WI ext.	256860	WI MOD GRO	256979
40150524009	**B2 @ 13-14'**	TPH GRO/PVOC WI ext.	256860	WI MOD GRO	256979
40150524010	**B3 @ 2-4'**	TPH GRO/PVOC WI ext.	256860	WI MOD GRO	256979
40150524011	**B3 @ 13-14'**	TPH GRO/PVOC WI ext.	256860	WI MOD GRO	256979
40150524012	**B4 @ 2-4'**	TPH GRO/PVOC WI ext.	256860	WI MOD GRO	256979
40150524013	**B4 @ 8-9'**	TPH GRO/PVOC WI ext.	256860	WI MOD GRO	256979
40150524014	**B5 @ 2-4'**	TPH GRO/PVOC WI ext.	256860	WI MOD GRO	256979
40150524015	**B5 @ 12-14'**	TPH GRO/PVOC WI ext.	256860	WI MOD GRO	256979
40150524016	**B6 @ 2-4'**	TPH GRO/PVOC WI ext.	256860	WI MOD GRO	256979
40150524017	**B6 @ 13-14'**	TPH GRO/PVOC WI ext.	256860	WI MOD GRO	256979
40150524018	**B7 @ 2-4'**	TPH GRO/PVOC WI ext.	256860	WI MOD GRO	256979
40150524019	**B7 @ 12-14'**	TPH GRO/PVOC WI ext.	256994	WI MOD GRO	257051
40150524020	**B8 @ 2-4'**	TPH GRO/PVOC WI ext.	256994	WI MOD GRO	257051
40150524021	**B8 @ 11-13'**	TPH GRO/PVOC WI ext.	256994	WI MOD GRO	257051
40150524022	**B9 @ 2-4'**	TPH GRO/PVOC WI ext.	256994	WI MOD GRO	257051
40150524023	**B9 @ 8-9'**	TPH GRO/PVOC WI ext.	256994	WI MOD GRO	257051
40150524024	**B10 @ 2-4'**	TPH GRO/PVOC WI ext.	256994	WI MOD GRO	257051
40150524025	**B10 @ 11-13'**	TPH GRO/PVOC WI ext.	257157	WI MOD GRO	257162
40150524001	**B1**	WI MOD GRO	256856		
40150524002	**B2**	WI MOD GRO	256856		
40150524003	**B6**	WI MOD GRO	256856		
40150524004	**B7**	WI MOD GRO	256856		
40150524005	**B10**	WI MOD GRO	256856		
40150524006	**B1 @ 2-4'**	EPA 3050	256926	EPA 6010	257251
40150524007	**B1 @ 8-9'**	EPA 3050	256926	EPA 6010	257251
40150524008	**B2 @ 2-4'**	EPA 3050	256926	EPA 6010	257251
40150524009	**B2 @ 13-14'**	EPA 3050	256926	EPA 6010	257251
40150524010	**B3 @ 2-4'**	EPA 3050	256926	EPA 6010	257251
40150524011	**B3 @ 13-14'**	EPA 3050	256926	EPA 6010	257251
40150524012	**B4 @ 2-4'**	EPA 3050	256926	EPA 6010	257251
40150524013	**B4 @ 8-9'**	EPA 3050	256926	EPA 6010	257251
40150524014	**B5 @ 2-4'**	EPA 3050	256926	EPA 6010	257251
40150524015	**B5 @ 12-14'**	EPA 3050	256926	EPA 6010	257251
40150524016	**B6 @ 2-4'**	EPA 3050	256926	EPA 6010	257251
40150524017	**B6 @ 13-14'**	EPA 3050	256926	EPA 6010	257251
40150524018	**B7 @ 2-4'**	EPA 3050	256926	EPA 6010	257251
40150524019	**B7 @ 12-14'**	EPA 3050	256926	EPA 6010	257251
40150524020	**B8 @ 2-4'**	EPA 3050	256926	EPA 6010	257251
40150524021	**B8 @ 11-13'**	EPA 3050	256926	EPA 6010	257251
40150524022	**B9 @ 2-4'**	EPA 3050	256926	EPA 6010	257251
40150524023	**B9 @ 8-9'**	EPA 3050	256926	EPA 6010	257251
40150524024	**B10 @ 2-4'**	EPA 3050	256926	EPA 6010	257251
40150524025	**B10 @ 11-13'**	EPA 3050	256926	EPA 6010	257251
40150524026	**POTABLE**	EPA 524.2	476839		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 7679 BOB'S SERVICE
Pace Project No.: 40150524

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40150524006	**B1 @ 2-4'**	ASTM D2974-87	256948		
40150524007	**B1 @ 8-9'**	ASTM D2974-87	256956		
40150524008	**B2 @ 2-4'**	ASTM D2974-87	256956		
40150524009	**B2 @ 13-14'**	ASTM D2974-87	256956		
40150524010	**B3 @ 2-4'**	ASTM D2974-87	256956		
40150524011	**B3 @ 13-14'**	ASTM D2974-87	256956		
40150524012	**B4 @ 2-4'**	ASTM D2974-87	256956		
40150524013	**B4 @ 8-9'**	ASTM D2974-87	256956		
40150524014	**B5 @ 2-4'**	ASTM D2974-87	256956		
40150524015	**B5 @ 12-14'**	ASTM D2974-87	256956		
40150524016	**B6 @ 2-4'**	ASTM D2974-87	256956		
40150524017	**B6 @ 13-14'**	ASTM D2974-87	256956		
40150524018	**B7 @ 2-4'**	ASTM D2974-87	256956		
40150524019	**B7 @ 12-14'**	ASTM D2974-87	256956		
40150524020	**B8 @ 2-4'**	ASTM D2974-87	256956		
40150524021	**B8 @ 11-13'**	ASTM D2974-87	256956		
40150524022	**B9 @ 2-4'**	ASTM D2974-87	256956		
40150524023	**B9 @ 8-9'**	ASTM D2974-87	256956		
40150524024	**B10 @ 2-4'**	ASTM D2974-87	256948		
40150524025	**B10 @ 11-13'**	ASTM D2974-87	256956		

SKV

401505241

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:	REI
Branch/Location:	Wausau
Project Contact:	Dave Larsen
Phone:	715 675 9784
Project Number:	7679
Project Name:	Bob's Service
Project State:	WI
Sampled By (Print):	Dave Larsen / Scott Blado
Sampled By (Sign):	Scott Blado
PO #:	
Regulatory Program:	PECFA UIC

Quote #:	
Mail To Contact:	Dave Larsen
Mail To Company:	REI
Mail To Address:	DLarsen@reiengineering.com
Invoice To Contact:	SAA
Invoice To Company:	SAA
Invoice To Address:	
Invoice To Phone:	

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC/N	PVOC/N	Lead	Total Solids	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	B1	5/22/17	3:35	GW	N	B					3-40mlVB		
002	B2		3:55		N	F							
003	B6		5:35		N	A							
004	B7		5:55		N	A							
005	B10		7:00										
006	B1 @ 2-4'		2:38	S							1-40mlVF	1-4ozPA	
007	B1 @ 8-9'		2:44										
008	B2 @ 2-4'		3:09										
009	B2 @ 13-14'		3:18										
010	B3 @ 2-4'		3:40										
011	B3 @ 13-14'		3:45										
012	B4 @ 2-4'		4:02										
013	B4 @ 8-9'		4:08										

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:
Scott Blado	5/23/17 4:00		
Waltco	5/24/17 0900	[illegible]	5/24/17 0900

PACE Project No.: 401505241

Receipt Temp = 2.6 °C

Sample Receipt pH OK / Adjusted

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

Version 6.0 06/14/06

C019a(27Jun2006)

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

Pace Analytical®
www.pacelabs.com

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:	RET
Branch/Location:	Wausau
Project Contact:	Dave Larsen
Phone:	715 675 9784
Project Number:	7679
Project Name:	Bob's Service
Project State:	WI
Sampled By (Print):	Dave Larsen / Scott Blado
Sampled By (Sign):	Jeff Blado
PO #:	
Regulatory Program:	PECFA UST

Quote #:	
Mail To Contact:	Dave Larsen
Mail To Company:	RET
Mail To Address:	DLarsen@reiengineering.com
Invoice To Contact:	SAA
Invoice To Company:	SAA
Invoice To Address:	
Invoice To Phone:	

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

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

Matrix Codes

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: 8260 VOC/N	Lead	Tot Solids	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
014	B5 @ 2-4'	5/22/17	4:30	S	N	F				1-40mlVF	1-4oz J A	
015	B5 @ [illegible] 12-14'		4:35		N	A				1-40mlVF		
016	B6 @ 2-4'		4:55		N	A						
017	B6 @ 13-14'		5:05									
018	B7 @ 2-4'		5:26									
019	B7 @ 12-14'		5:34									
020	B8 @ 2-4'		5:44									
021	B8 @ 11-13'		6:00							1-40mlVF RMV 5/24/17		
022	B9 @ 2-4'		6:20									
023	B9 @ 8-9'		6:25									
024	B10 @ 2-4'		6:38									
025	B10 @ 11-13'		6:47							AKS 5/24/17		
026	Potable	5/22/17	4:10							3-40mlVB		

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:
Jeff Blado	5/23/17 4:00		
Walter	5/24/17 0900	Katie Schramm Pace	5/24/17 0900

PACE Project No.: 40150524

Receipt Temp = 2.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present

Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Condition Upon Receipt

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

Pace Analytical™

Client Name: REI

Project #:

AFFIX WORKORDER LABEL HERE

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: Waltco
Tracking #: 138024

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: /Corr: R01 **Biological Tissue is Frozen:** ☐ yes ☐ no
Temp Blank Present: ☐ yes ☒ no

Person examining contents:
Date: 5/31/17
Initials: AMB

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

		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 & 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): AMB 5/31/17	☑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.
-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: Mean volume for previous project AMB 5/31/17

Project Manager Review: Date: 5-31-17

Sample Condition Upon Receipt

Pace Analytical

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

Project #: AFFIX WORKORDER LABEL HERE

Client Name: REI

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

Tracking #: 1378079-1

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

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

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

Thermometer Used SR-74 **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2°C /Corr: 3°C **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

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

Person examining contents:
Date: 5/26/17
Initials: RMV

				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 & 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. B8@11-13 021 Kf 5/26/17
Sufficient Volume:	☑Yes	☐No	☐N/A	8. missing volum vile ~~GP10 8-9'~~ sample ~~007~~ RMV 5/26
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.
-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: Kf 5/26/17	~~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: still missing vial for 025 Kf 5/26/17

Project Manager Review: [signature] **Date:** 5-26-17

Sample Condition Upon Receipt

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

Project # **WO#: 40150524**

40150524

Client Name: REI

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

Tracking #: 134888-2

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: /Corr: RO1 **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 5/24/17
Initials: KF

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. 026 added by lab per PM KF 5/24/17
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. KF 5/24/17
Sufficient Volume:	☐Yes ☑No ☐N/A	8. ~~015~~ +021 no vial volume received +025
Correct Containers Used:	☑Yes ☐No ☐N/A	9. ①
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	KF 5/24/17
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. 009 vial ID B8@13-14', 011 time 1547 all, 015 time 1640, 023 vial no time KF 5/24/17
-Includes date/time/ID/Analysis Matrix: SOIL		
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 KF 5/24/17	Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A KF 5/24/17	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: 015 vial ID GP5@12-14, time 1640 placed by PM KF 5/24/17

Project Manager Review: Date: 5-25-17

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

APPENDIX B

SOIL AND GROUNDWATER LABORATORY REPORTS

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☑ Other ☐

Facility/Project Name Burnett County - Former Hedlund DX	**License/Permit/Monitoring Number** BRRTS # 03-07-000151	**Boring Number** GP-8

Boring Drilled By: Name of crew chief (first, last) and Firm Mitch Panfil - Gestra Engineering	**Date Drilling Started** 5/22/2017	**Date Drilling Completed** 5/22/2017

Drilling Method Geoprobe

WI Unique Well No.	**DNR Well ID No.**	**Common Well Name**	**Final Static Water Level**	**Surface Elevation** 0	**Borehole Diameter** 2.25"

Local Grid Orgin ☐ (estimated) ☐ or Boring Location ☒ GP-8
State Plane
Lat
Long
Local Grid Location N ☐ S ☐ E ☐ W ☐

Facility ID 807049540	**County** Burnett	**County Code** 7	**Civil Town/City/or Village** Town of Daniels

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	SS	30		1–3	Sandy/gravelly fill material	GP			0.0		M				
2	SS	36		3–13	Gray clay w/ brown mottling	CH			0.0						
3	SS	48		12–15	Medium grained saturated sand	SP			0.0		W				
				15–17	EOB @ 15' Water sample collected										

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

Signature Scott Block **Firm** REI Engineering, Inc.
4080 North 20th Avenue, Wausau, WI

This form is authorized by Chapters 281,283,289,292,293,295, and 299, Wis. Stats. Completion of thes 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

SOIL BORING LOG INFORMATION

Route To: Watershed/Wastewater ☐ Remediation/Redevelopment ☑ Waste Management ☐ Other ☐

Facility/Project Name Burnett County - Former Hedlund DX | **License/Permit/Monitoring Number** BRRTS # 03-07-000151 | **Boring Number** GP-9

Boring Drilled By: Name of crew chief (first, last) and Firm Mitch Panfil - Gestra Engineering | **Date Drilling Started** 5/22/2017 | **Date Drilling Completed** 5/22/2017 | **Drilling Method** Geoprobe

WI Unique Well No. | **DNR Well ID No.** | **Common Well Name** | **Final Static Water Level** | **Surface Elevation** 0 | **Borehole Diameter** 2.25" ›-9

Local Grid Orgin ☐ (estimated) ☐ or Boring Location ☑ GP-9 | **Lat** | **Long** | **Local Grid Location** N☐ S☐ E☐ W☐
State Plane

Facility ID 807049540 | **County** Burnett | **County Code** 7 | **Civil Town/City/or Village** Town of Daniels

Sample Number	Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				0–1	Sandy/gravelly fill material	GP					M				
1	SS	24		1–3.5	Gray clay w/ brown mottling w/ trace sand & cobble	GC			0.0						
				3.5–5	Medium to coarse brown sand	SP									
2	SS	0		5–15	No recovery										
3	SS	0													
				15	EOB @ 15'										

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

Signature [signature] | **Firm** REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI

This form is authorized by Chapters 281,283,289,292,293,295, and 299, Wis. Stats. Completion of thes 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

SOIL BORING LOG INFORMATION

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☑ Other ☐

Facility/Project Name Burnett County - Former Hedlund DX	**License/Permit/Monitoring Number** BRRTS # 03-07-000151	**Boring Number** GP-10

Boring Drilled By: Name of crew chief (first, last) and Firm Mitch Panfil - Gestra Engineering	**Date Drilling Started** 5/22/2017	**Date Drilling Completed** 5/22/2017

Drilling Method Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				0	2.25"

GP-10

Local Grid Orgin ☐ (estimated) ☐ or Boring Location ☒	**Lat**	**Local Grid Location**	
State Plane	**Long**	N ☐ S ☐	E ☐ W ☐

Facility ID 807049540	**County** Burnett	**County Code** 7	**Civil Town/City/or Village** Town of Daniels

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	SS	36		1–3	Sandy/gravelly fill material	GP			9.7		M				
				3–12	Gray clay w/ brown mottling	CH			5.9, 3.3						
3	SS	36		12–15	Fine to coarse saturated sands	SW					W				
				15	EOB @ 15'										

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

Signature Scott J Bloch	**Firm**	**REI Engineering, Inc.** 4080 North 20th Avenue, Wausau, WI

This form is authorized by Chapters 281,283,289,292,293,295, and 299, Wis. Stats. Completion of thes 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

SOIL BORING LOG INFORMATION

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☑ Other ☐

Facility/Project Name Burnett County - Former Hedlund DX	**License/Permit/Monitoring Number** BRRTS # 03-07-000151	**Boring Number** GP-11

Boring Drilled By: Name of crew chief (first, last) and Firm Mitch Panfil - Gestra Engineering	**Date Drilling Started** 5/22/2017	**Date Drilling Completed** 5/22/2017	**Drilling Method** Geoprobe

WI Unique Well No.	**DNR Well ID No.**	**Common Well Name**	**Final Static Water Level**	**Surface Elevation** 0	**Borehole Diameter** 2.25"

›-11

Local Grid Origin ☐ (estimated) ☐ or Boring Location ☑ GP-11 **State Plane**	**Lat** **Long**	**Local Grid Location** N☐ S☐ E☐ W☐

Facility ID 807049540	**County** Burnett	**County Code** 7	**Civil Town/City/or Village** Town of Daniels

Sample Number	Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				0–1.5	Sandy/gravelly/cobble base coarse	GP					M				
1	SS	36		1.5–3	Fine sand	SM			866						
2	SS	36		3–12.5	Gray/brown clay	CH			907						
3	SS	36							0.0						
				12.5–15	Saturated fine to medium sand	SW					W				
				15	EOB @ 15' Water sample collected										

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

Signature [signature]	**Firm** REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice. Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report 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 this form 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 this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

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

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: Burnett

Common Well Name: GP-8 | Gov't Lot (If applicable): ☐ E ☐ W

Grid Location: ____ 1/4 of ____ 1/4 of Sec. ____ , T. ____ N; R. ____

____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ____ ° ____ ____ Long ____ ° ____ ____ or

St. Plane ____ ft. N. ____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Soil and groundwater sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Burnett County - Former Hedlund DX

Facility ID: 807049540 | License/Permit/Monitoring No.: BRRTS#03-07-000151

Street Address of Well:

City, Village, or Town: Town of Daniels

Present Well Owner: Burnett County | Original Owner: Same

Street Address or Route of Owner:

City, State, Zip Code:

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 5/22/2017

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Hydraulic push

Formation Type:
☐ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 15.0 (From groundsurface) | Casing Diameter (in.) | Casing Depth (ft.)

Lower Drillhole Diameter (in.) 2.25

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? ____ Feet

Depth to Water (Feet) 12.5

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☒ Yes	☐ No	☐ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ NO
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
☒ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealent or Volume (Circle One)	Mix Ratio or Mud Weight
Granular bentonite	Surface	15	0.5 bags	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Gestra Engineering/ REI - Scott Blado | Date of Abandonment: 5/22/2017

Signature of Person Doing Work: Scott Blado | Date Signed: 6/13/2017

Street or Route: 4080 N. 20th Avenue, Wausau, WI | Telephone Number: (715) 675-9784

City, State, Zip Code

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 **2/2000**

Notice. Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report 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 this form may result in a forteiture 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 the instructions for more information.

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

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: Burnett

Common Well Name GP-9 | **Gov't Lot (If applicable)** ☐ E ☐ W

Grid Location ____ 1/4 of ____ 1/4 of Sec. ____ , T. ____ N; R.

____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ____ ° ____ ____ Long ____ ° ____ ____ or

St. Plane ____ ft. N. ____ ft. E. ☐☐☐ Zone (S C N)

Reason For Abandonment: Soil and groundwater sampling complete

WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Burnett County - Former Hedlund DX

Facility ID: 807049540 | License/Permit/Monitoring No.: BRRTS#03-07-000151

Street Address of Well:

City, Village, or Town: Town of Daniels

Present Well Owner: Burnett County | Original Owner: Same

Street Address or Route of Owner:

City, State, Zip Code:

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 5/22/2017

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Hydraulic push

Formation Type:
☐ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 15.0 (From groundsurface) | Casing Diameter (in.) | Casing Depth (ft.)

Lower Drillhole Diameter (in.) 2.25

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? ____ Feet

Depth to Water (Feet) 12.5

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☒ Yes	☐ No	☐ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ NO
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
☒ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No Yards, Sacks Sealent or Volume (Circle One)	Mix Ratio or Mud Weight
Granular bentonite	Surface	15	0.5 bags	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Gestra Engineering/ REI - Scott Blado

Date of Abandonment: 5/22/2017

Signature of Person Doing Work: Scott Blado

Date Signed: 6/13/2017

Street or Route: 4080 N. 20th Avenue, Wausau, WI

Telephone Number: (715) 675-9784

City, State, Zip Code

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

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

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: Burnett

Common Well Name: GP-10 | Gov't Lot (If applicable): ☐ E ☐ W

Grid Location: ____ 1/4 of ____ 1/4 of Sec. ____ , T. ____ N; R. ____

____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ____ ° ____ ____ Long ____ ° ____ ____ or

St. Plane ____ ft. N. ____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Soil and groundwater sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Burnett County - Former Hedlund DX

Facility ID: 807049540 | License/Permit/Monitoring No.: BRRTS#03-07-000151

Street Address of Well:

City, Village, or Town: Town of Daniels

Present Well Owner: Burnett County | Original Owner: Same

Street Address or Route of Owner:

City, State, Zip Code:

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 5/22/2017

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Hydraulic push

Formation Type:
☐ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 15.0 (From groundsurface) | Casing Diameter (in.) | Casing Depth (ft.)

Lower Drillhole Diameter (in.) 2.25

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? ____ Feet

Depth to Water (Feet) 12.5

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☒ Yes	☐ No	☐ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ NO
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
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(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No Yards, Sacks Sealent or Volume (Circle One)	Mix Ratio or Mud Weight
Granular bentonite	Surface	15	0.5 bags	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Gestra Engineering/ REI - Scott Blado | Date of Abandonment: 5/22/2017

Signature of Person Doing Work: Scott J Blado | Date Signed: 6/13/2017

Street or Route: 4080 N. 20th Avenue, Wausau, WI | Telephone Number: (715) 675-9784

City, State, Zip Code

FOR DNR OR COUNTY USE ONLY

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WELL/DRILLHOLE/BOREHOLE ABANDONMENT

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

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: Burnett

Common Well Name: GP-11 | Gov't Lot (If applicable): ☐ E ☐ W

Grid Location: ____ 1/4 of ____ 1/4 of Sec. ____ , T. ____ N; R. ____

____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ____ ° ____ ____ Long ____ ° ____ ____ or

St. Plane ____ ft. N. ____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Soil and groundwater sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _

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Facility ID: 807049540 | License/Permit/Monitoring No.: BRRTS#03-07-000151

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Lower Drillhole Diameter (in.) 2.25

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? ____ Feet

Depth to Water (Feet) 12.5

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☒ Yes	☐ No	☐ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ NO
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

Required Method of Placing Sealing Material
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☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
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(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No Yards, Sacks Sealent or Volume (Circle One)	Mix Ratio or Mud Weight
Granular bentonite	Surface	15	0.5 bags	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Gestra Engineering/ REI - Scott Blado

Date of Abandonment: 5/22/2017

Signature of Person Doing Work: Scott Blado

Date Signed: 6/13/2017

Street or Route: 4080 N. 20th Avenue, Wausau, WI

Telephone Number: (715) 675-9784

City, State, Zip Code

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

APPENDIX C

METHODS AND PROCEDURES

METHODS AND PROCEDURES

FOR

GEOPROBE SOIL SAMPLING

The Geoprobe unit hydraulically advances threaded, two-inch diameter, four-foot long, steel rod sections into the subsurface. A four-foot sampler, consisting of a drive shoe, a steel tube with a clean acetate liner, and a drive-head retractable piston, is attached to the leading Geoprobe rod. The sampler is driven down to the top of the interval to be sampled. The stop-pin is removed to release the drive head piston, which retracts as the sampler is advanced. When the sampler has been advanced four feet, the rods are retracted from the hole and the soil in the acetate liner is recovered. The acetate liner is split open and the soil is visually and manually classified by the field geologist/technician in accordance with **ASTM:D2488-84**. Logs of the borings are filled out indicating the depth and identification of the various strata, water level information, and pertinent information regarding the method of maintaining and advancing the borings.

Immediately after identification, the soil is quickly divided into two portions. One portion is prepared for potential laboratory analysis. The other portion is placed into a clean one-quart Ziploc bag for field screening. See the section "Soil Headspace Analysis" for field screening procedures.

HEADSPACE ANALYSIS

The soils were screened with a Mini-RAE photoionization detector (PID) equipped with an 10.6 eV lamp. The detector was calibrated in instrument units for Total Organic Vapors using an isobutylene standard. The soil sample, sealed in a Ziploc bag, was shaken vigorously to promote volatilization of the contaminant into the headspace of the bag. The sample was allowed to rest for at least ten minutes and then shaken again before screening. When ambient temperatures were below 60 degrees F, soil samples were allowed to warm for a minimum of 10 minutes in a heated environment prior to headspace development. The Ziploc bag was punctured with the PID probe and the resulting meter reading was recorded.

SAMPLING AND CHAIN OF CUSTODY

Soil samples for laboratory analysis were collected into laboratory prepared vials. Each vial was labeled and placed directly into a cooler pending delivery to the laboratory. Latex gloves were worn during all sample collection procedures.

An entry on a Chain of Custody log was completed as each sample was collected. The Chain of Custody included the following information: project name, work order number, shipped by, shipped to, sampling point, location, field ID number, date and time taken, sample type, number of containers, analysis required, sampler (s) signature (s), etc. As few people as possible handled the samples. The Chain of Custody log was sent to the laboratory with each cooler of samples.

DECONTAMINATION

Sampling equipment was decontaminated prior to sampling. Steel rod sections were washed after every sample collected.

APPENDIX D

SOIL DISPOSAL DOCUMENTATION

LINCOLN COUNTY LANDFILL 715-536-9636
Site: N4750 Landfill Lane, Merrill, WI 54452
Mailing: 801 N Sales St, Ste 201, Merrill, WI 54452
OPERATING HOURS:
Monday-Friday
SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm
WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm
1st and 3rd Sat. 8:00 am - Noon

DATE: 5/31/2017 TICKET #: 230390 Vehicle #:
Time In: 08:54 AM Time Out: 08:54 AM

BILL TO: R.E.I.
HAULER : R.E.I.

JOB : 17 - 3 B - RE #7367axuc Hedlund DX, Falun
PO# : REI job #7367axuc

Continimated soil $150 minimum (CON MIN) 1 un
Gross: 1 Tare: 0 Net Weight: 1

Scale Notes: Charge Transaction

HAVE A NICE DAY!

Customer Signature _____
Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.

APPENDIX E

LABORATORY ANALYTICAL RESULTS

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

May 31, 2017

DAVID LARSEN
REI
4080 NORTH 20TH AVENUE
Wausau, WI 54401

RE: Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

Dear DAVID LARSEN:
Enclosed are the analytical results for sample(s) received by the laboratory on May 24, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

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

Enclosures

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

CERTIFICATIONS

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

Green Bay Certification IDs

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

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40150520001	**GP8**	Water	05/22/17 15:30	05/24/17 09:00
40150520002	**GP9**	Water	05/22/17 15:20	05/24/17 09:00
40150520003	**GP8 @ 2-4'**	Solid	05/22/17 13:51	05/24/17 09:00
40150520004	**GP8 @ 12-13'**	Solid	05/22/17 14:02	05/24/17 09:00
40150520005	**GP9 @ 2-4'**	Solid	05/22/17 14:21	05/24/17 09:00
40150520006	**GP10 @ 2-4'**	Solid	05/22/17 06:56	05/24/17 09:00
40150520007	**GP10 @ 8-9'**	Solid	05/22/17 07:00	05/24/17 09:00
40150520008	**GP11 @ 2-4'**	Solid	05/22/17 07:12	05/24/17 09:00
40150520009	**GP11 @ 7-8'**	Solid	05/22/17 07:20	05/24/17 09:00

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

SAMPLE ANALYTE COUNT

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40150520001	**GP8**	WI MOD GRO	ALD	10
40150520002	**GP9**	WI MOD GRO	ALD	10
40150520003	**GP8 @ 2-4'**	WI MOD GRO	ALD	10
		EPA 6010	DLB	1
		ASTM D2974-87	BTH	1
40150520004	**GP8 @ 12-13'**	WI MOD GRO	ALD	10
		EPA 6010	DLB	1
		ASTM D2974-87	BTH	1
40150520005	**GP9 @ 2-4'**	WI MOD GRO	ALD	10
		EPA 6010	DLB	1
		ASTM D2974-87	BTH	1
40150520006	**GP10 @ 2-4'**	WI MOD GRO	ALD	10
		EPA 6010	DLB	1
		ASTM D2974-87	BTH	1
40150520007	**GP10 @ 8-9'**	WI MOD GRO	PMS	10
		EPA 6010	DLB	1
		ASTM D2974-87	BTH	1
40150520008	**GP11 @ 2-4'**	WI MOD GRO	ALD	10
		EPA 6010	DLB	1
		ASTM D2974-87	BTH	1
40150520009	**GP11 @ 7-8'**	WI MOD GRO	ALD	10
		EPA 6010	DLB	1
		ASTM D2974-87	BTH	1

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

Sample: GP8 **Lab ID: 40150520001** Collected: 05/22/17 15:30 Received: 05/24/17 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**158**	ug/L	1.0	0.40	1		05/26/17 22:50	71-43-2	
Ethylbenzene	**125**	ug/L	1.0	0.39	1		05/26/17 22:50	100-41-4	
Methyl-tert-butyl ether	**2.3**	ug/L	1.0	0.48	1		05/26/17 22:50	1634-04-4	
Naphthalene	**11.0**	ug/L	1.0	0.42	1		05/26/17 22:50	91-20-3	
Toluene	**25.3**	ug/L	1.0	0.39	1		05/26/17 22:50	108-88-3	
1,2,4-Trimethylbenzene	**67.5**	ug/L	1.0	0.42	1		05/26/17 22:50	95-63-6	
1,3,5-Trimethylbenzene	**15.5**	ug/L	1.0	0.42	1		05/26/17 22:50	108-67-8	
m&p-Xylene	**287**	ug/L	2.0	0.80	1		05/26/17 22:50	179601-23-1	
o-Xylene	**33.5**	ug/L	1.0	0.45	1		05/26/17 22:50	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		05/26/17 22:50	98-08-8	

Sample: GP9 **Lab ID: 40150520002** Collected: 05/22/17 15:20 Received: 05/24/17 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**932**	ug/L	10.0	4.0	10		05/26/17 23:16	71-43-2	
Ethylbenzene	**794**	ug/L	10.0	3.9	10		05/26/17 23:16	100-41-4	
Methyl-tert-butyl ether	**16.5**	ug/L	10.0	4.8	10		05/26/17 23:16	1634-04-4	
Naphthalene	**119**	ug/L	10.0	4.2	10		05/26/17 23:16	91-20-3	
Toluene	**166**	ug/L	10.0	3.9	10		05/26/17 23:16	108-88-3	
1,2,4-Trimethylbenzene	**610**	ug/L	10.0	4.2	10		05/26/17 23:16	95-63-6	
1,3,5-Trimethylbenzene	**162**	ug/L	10.0	4.2	10		05/26/17 23:16	108-67-8	
m&p-Xylene	**1330**	ug/L	20.0	8.0	10		05/26/17 23:16	179601-23-1	
o-Xylene	**85.9**	ug/L	10.0	4.5	10		05/26/17 23:16	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	95	%	80-120		10		05/26/17 23:16	98-08-8	

Sample: GP8 @ 2-4' **Lab ID: 40150520003** Collected: 05/22/17 13:51 Received: 05/24/17 09:00 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	**<29.4**	ug/kg	58.8	29.4	1	05/25/17 07:30	05/25/17 20:03	71-43-2	W
Ethylbenzene	**<29.4**	ug/kg	58.8	29.4	1	05/25/17 07:30	05/25/17 20:03	100-41-4	W
Methyl-tert-butyl ether	**<29.4**	ug/kg	58.8	29.4	1	05/25/17 07:30	05/25/17 20:03	1634-04-4	W
Naphthalene	**<29.4**	ug/kg	58.8	29.4	1	05/25/17 07:30	05/25/17 20:03	91-20-3	W
Toluene	**<29.4**	ug/kg	58.8	29.4	1	05/25/17 07:30	05/25/17 20:03	108-88-3	W
1,2,4-Trimethylbenzene	**<29.4**	ug/kg	58.8	29.4	1	05/25/17 07:30	05/25/17 20:03	95-63-6	W
1,3,5-Trimethylbenzene	**<29.4**	ug/kg	58.8	29.4	1	05/25/17 07:30	05/25/17 20:03	108-67-8	W
m&p-Xylene	**<58.8**	ug/kg	118	58.8	1	05/25/17 07:30	05/25/17 20:03	179601-23-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

Sample: GP8 @ 2-4' **Lab ID: 40150520003** Collected: 05/22/17 13:51 Received: 05/24/17 09:00 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.								
o-Xylene	**<29.4**	ug/kg	58.8	29.4	1	05/25/17 07:30	05/25/17 20:03	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1	05/25/17 07:30	05/25/17 20:03	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**20.4**	mg/kg	1.7	0.58	1	05/25/17 11:03	05/26/17 12:41	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**29.6**	%	0.10	0.10	1		05/26/17 13:06		

Sample: GP8 @ 12-13' **Lab ID: 40150520004** Collected: 05/22/17 14:02 Received: 05/24/17 09:00 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	**149**	ug/kg	77.4	38.7	1	05/25/17 07:30	05/25/17 20:29	71-43-2	
Ethylbenzene	**343**	ug/kg	77.4	38.7	1	05/25/17 07:30	05/25/17 20:29	100-41-4	
Methyl-tert-butyl ether	**<26.9**	ug/kg	53.8	26.9	1	05/25/17 07:30	05/25/17 20:29	1634-04-4	W
Naphthalene	**<26.9**	ug/kg	53.8	26.9	1	05/25/17 07:30	05/25/17 20:29	91-20-3	W
Toluene	**<26.9**	ug/kg	53.8	26.9	1	05/25/17 07:30	05/25/17 20:29	108-88-3	W
1,2,4-Trimethylbenzene	**<26.9**	ug/kg	53.8	26.9	1	05/25/17 07:30	05/25/17 20:29	95-63-6	W
1,3,5-Trimethylbenzene	**<26.9**	ug/kg	53.8	26.9	1	05/25/17 07:30	05/25/17 20:29	108-67-8	W
m&p-Xylene	**396**	ug/kg	155	77.4	1	05/25/17 07:30	05/25/17 20:29	179601-23-1	
o-Xylene	**79.0**	ug/kg	77.4	38.7	1	05/25/17 07:30	05/25/17 20:29	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1	05/25/17 07:30	05/25/17 20:29	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**14.7**	mg/kg	3.3	1.1	2	05/25/17 11:03	05/26/17 14:36	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**30.5**	%	0.10	0.10	1		05/26/17 13:06		

Sample: GP9 @ 2-4' **Lab ID: 40150520005** Collected: 05/22/17 14:21 Received: 05/24/17 09:00 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	**<39.7**	ug/kg	79.4	39.7	1	05/25/17 07:30	05/25/17 20:55	71-43-2	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

Sample: GP9 @ 2-4' **Lab ID: 40150520005** Collected: 05/22/17 14:21 Received: 05/24/17 09:00 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.								
Ethylbenzene	**<39.7**	ug/kg	79.4	39.7	1	05/25/17 07:30	05/25/17 20:55	100-41-4	W
Methyl-tert-butyl ether	**<39.7**	ug/kg	79.4	39.7	1	05/25/17 07:30	05/25/17 20:55	1634-04-4	W
Naphthalene	**<39.7**	ug/kg	79.4	39.7	1	05/25/17 07:30	05/25/17 20:55	91-20-3	W
Toluene	**<39.7**	ug/kg	79.4	39.7	1	05/25/17 07:30	05/25/17 20:55	108-88-3	W
1,2,4-Trimethylbenzene	**<39.7**	ug/kg	79.4	39.7	1	05/25/17 07:30	05/25/17 20:55	95-63-6	W
1,3,5-Trimethylbenzene	**<39.7**	ug/kg	79.4	39.7	1	05/25/17 07:30	05/25/17 20:55	108-67-8	W
m&p-Xylene	**<79.4**	ug/kg	159	79.4	1	05/25/17 07:30	05/25/17 20:55	179601-23-1	W
o-Xylene	**<39.7**	ug/kg	79.4	39.7	1	05/25/17 07:30	05/25/17 20:55	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1	05/25/17 07:30	05/25/17 20:55	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**9.7**	mg/kg	1.5	0.49	1	05/25/17 11:03	05/26/17 12:50	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.5**	%	0.10	0.10	1		05/26/17 13:06		

Sample: GP10 @ 2-4' **Lab ID: 40150520006** Collected: 05/22/17 06:56 Received: 05/24/17 09:00 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	**902**	ug/kg	68.5	34.2	1	05/25/17 07:30	05/25/17 21:20	71-43-2	
Ethylbenzene	**450**	ug/kg	68.5	34.2	1	05/25/17 07:30	05/25/17 21:20	100-41-4	
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	05/25/17 07:30	05/25/17 21:20	1634-04-4	W
Naphthalene	**166**	ug/kg	68.5	34.2	1	05/25/17 07:30	05/25/17 21:20	91-20-3	
Toluene	**107**	ug/kg	68.5	34.2	1	05/25/17 07:30	05/25/17 21:20	108-88-3	
1,2,4-Trimethylbenzene	**60.9J**	ug/kg	68.5	34.2	1	05/25/17 07:30	05/25/17 21:20	95-63-6	
1,3,5-Trimethylbenzene	**131**	ug/kg	68.5	34.2	1	05/25/17 07:30	05/25/17 21:20	108-67-8	
m&p-Xylene	**284**	ug/kg	137	68.5	1	05/25/17 07:30	05/25/17 21:20	179601-23-1	
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	05/25/17 07:30	05/25/17 21:20	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1	05/25/17 07:30	05/25/17 21:20	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**15.7**	mg/kg	1.7	0.56	1	05/25/17 11:03	05/26/17 12:57	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**27.0**	%	0.10	0.10	1		05/26/17 13:07		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

Sample: GP10 @ 8-9' **Lab ID: 40150520007** Collected: 05/22/17 07:00 Received: 05/24/17 09:00 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	**4140**	ug/kg	86.3	36.0	1	05/30/17 08:00	05/30/17 16:27	71-43-2	
Ethylbenzene	**3770**	ug/kg	86.3	36.0	1	05/30/17 08:00	05/30/17 16:27	100-41-4	
Methyl-tert-butyl ether	**41.8J**	ug/kg	86.3	36.0	1	05/30/17 08:00	05/30/17 16:27	1634-04-4	
Naphthalene	**883**	ug/kg	86.3	36.0	1	05/30/17 08:00	05/30/17 16:27	91-20-3	
Toluene	**1620**	ug/kg	86.3	36.0	1	05/30/17 08:00	05/30/17 16:27	108-88-3	
1,2,4-Trimethylbenzene	**4270**	ug/kg	86.3	36.0	1	05/30/17 08:00	05/30/17 16:27	95-63-6	
1,3,5-Trimethylbenzene	**1230**	ug/kg	86.3	36.0	1	05/30/17 08:00	05/30/17 16:27	108-67-8	
m&p-Xylene	**9390**	ug/kg	173	71.9	1	05/30/17 08:00	05/30/17 16:27	179601-23-1	
o-Xylene	**453**	ug/kg	86.3	36.0	1	05/30/17 08:00	05/30/17 16:27	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1	05/30/17 08:00	05/30/17 16:27	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**18.2**	mg/kg	3.3	1.1	2	05/25/17 11:03	05/26/17 14:39	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**30.5**	%	0.10	0.10	1		05/26/17 13:07		

Sample: GP11 @ 2-4' **Lab ID: 40150520008** Collected: 05/22/17 07:12 Received: 05/24/17 09:00 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	**6360**	ug/kg	607	304	10	05/25/17 07:30	05/25/17 17:28	71-43-2	
Ethylbenzene	**17700**	ug/kg	607	304	10	05/25/17 07:30	05/25/17 17:28	100-41-4	
Methyl-tert-butyl ether	**797**	ug/kg	607	304	10	05/25/17 07:30	05/25/17 17:28	1634-04-4	
Naphthalene	**6720**	ug/kg	607	304	10	05/25/17 07:30	05/25/17 17:28	91-20-3	
Toluene	**22000**	ug/kg	607	304	10	05/25/17 07:30	05/25/17 17:28	108-88-3	
1,2,4-Trimethylbenzene	**42100**	ug/kg	607	304	10	05/25/17 07:30	05/25/17 17:28	95-63-6	
1,3,5-Trimethylbenzene	**15900**	ug/kg	607	304	10	05/25/17 07:30	05/25/17 17:28	108-67-8	
m&p-Xylene	**55500**	ug/kg	1210	607	10	05/25/17 07:30	05/25/17 17:28	179601-23-1	
o-Xylene	**19400**	ug/kg	607	304	10	05/25/17 07:30	05/25/17 17:28	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	91	%	80-120		10	05/25/17 07:30	05/25/17 17:28	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**8.4**	mg/kg	1.5	0.51	1	05/25/17 11:03	05/26/17 13:02	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.7**	%	0.10	0.10	1		05/26/17 13:07		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

Sample: GP11 @ 7-8' **Lab ID: 40150520009** Collected: 05/22/17 07:20 Received: 05/24/17 09:00 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	**19000**	ug/kg	560	280	8	05/25/17 07:30	05/25/17 16:36	71-43-2	
Ethylbenzene	**24800**	ug/kg	560	280	8	05/25/17 07:30	05/25/17 16:36	100-41-4	
Methyl-tert-butyl ether	**1180**	ug/kg	560	280	8	05/25/17 07:30	05/25/17 16:36	1634-04-4	
Naphthalene	**8390**	ug/kg	560	280	8	05/25/17 07:30	05/25/17 16:36	91-20-3	
Toluene	**44500**	ug/kg	560	280	8	05/25/17 07:30	05/25/17 16:36	108-88-3	
1,2,4-Trimethylbenzene	**35600**	ug/kg	560	280	8	05/25/17 07:30	05/25/17 16:36	95-63-6	
1,3,5-Trimethylbenzene	**14000**	ug/kg	560	280	8	05/25/17 07:30	05/25/17 16:36	108-67-8	
m&p-Xylene	**66000**	ug/kg	1120	560	8	05/25/17 07:30	05/25/17 16:36	179601-23-1	
o-Xylene	**21400**	ug/kg	560	280	8	05/25/17 07:30	05/25/17 16:36	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	93	%	80-120		8	05/25/17 07:30	05/25/17 16:36	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**18.4**	mg/kg	1.7	0.55	1	05/25/17 11:03	05/26/17 13:04	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**28.5**	%	0.10	0.10	1		05/26/17 13:07		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

QC Batch: 256748 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40150520003, 40150520004, 40150520005, 40150520006, 40150520008, 40150520009

METHOD BLANK: 1513214 Matrix: Solid
Associated Lab Samples: 40150520003, 40150520004, 40150520005, 40150520006, 40150520008, 40150520009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	05/25/17 08:41	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	05/25/17 08:41	
Benzene	ug/kg	<25.0	50.0	05/25/17 08:41	
Ethylbenzene	ug/kg	<25.0	50.0	05/25/17 08:41	
m&p-Xylene	ug/kg	<50.0	100	05/25/17 08:41	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	05/25/17 08:41	
Naphthalene	ug/kg	<25.0	50.0	05/25/17 08:41	
o-Xylene	ug/kg	<25.0	50.0	05/25/17 08:41	
Toluene	ug/kg	<25.0	50.0	05/25/17 08:41	
a,a,a-Trifluorotoluene (S)	%	103	80-120	05/25/17 08:41	

LABORATORY CONTROL SAMPLE & LCSD: 1513215 1513216

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	1050	1020	105	102	80-120	3	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1030	999	103	100	80-120	3	20	
Benzene	ug/kg	1000	998	977	100	98	80-120	2	20	
Ethylbenzene	ug/kg	1000	1030	1000	103	100	80-120	3	20	
m&p-Xylene	ug/kg	2000	2020	1980	101	99	80-120	2	20	
Methyl-tert-butyl ether	ug/kg	1000	974	988	97	99	80-120	1	20	
Naphthalene	ug/kg	1000	977	1000	98	100	80-120	2	20	
o-Xylene	ug/kg	1000	1020	1000	102	100	80-120	2	20	
Toluene	ug/kg	1000	1000	985	100	99	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				103	104	80-120			

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

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QUALITY CONTROL DATA

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

QC Batch: 256994
QC Batch Method: TPH GRO/PVOC WI ext.
Analysis Method: WI MOD GRO
Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40150520007

METHOD BLANK: 1514829
Matrix: Solid
Associated Lab Samples: 40150520007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	05/30/17 09:16	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	05/30/17 09:16	
Benzene	ug/kg	<25.0	50.0	05/30/17 09:16	
Ethylbenzene	ug/kg	<25.0	50.0	05/30/17 09:16	
m&p-Xylene	ug/kg	<50.0	100	05/30/17 09:16	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	05/30/17 09:16	
Naphthalene	ug/kg	<25.0	50.0	05/30/17 09:16	
o-Xylene	ug/kg	<25.0	50.0	05/30/17 09:16	
Toluene	ug/kg	<25.0	50.0	05/30/17 09:16	
a,a,a-Trifluorotoluene (S)	%	100	80-120	05/30/17 09:16	

LABORATORY CONTROL SAMPLE & LCSD: 1514830 1514831

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	1080	1060	108	106	80-120	2	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1060	1040	106	104	80-120	2	20	
Benzene	ug/kg	1000	1010	990	101	99	80-120	2	20	
Ethylbenzene	ug/kg	1000	1050	1030	105	103	80-120	2	20	
m&p-Xylene	ug/kg	2000	2100	2060	105	103	80-120	2	20	
Methyl-tert-butyl ether	ug/kg	1000	999	964	100	96	80-120	4	20	
Naphthalene	ug/kg	1000	1110	1070	111	107	80-120	3	20	
o-Xylene	ug/kg	1000	1050	1030	105	103	80-120	2	20	
Toluene	ug/kg	1000	1030	1010	103	101	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				102	102	80-120			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

QC Batch: 256747 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40150520001, 40150520002

METHOD BLANK: 1513211 Matrix: Water
Associated Lab Samples: 40150520001, 40150520002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	05/25/17 08:34	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	05/25/17 08:34	
Benzene	ug/L	<0.40	1.0	05/25/17 08:34	
Ethylbenzene	ug/L	<0.39	1.0	05/25/17 08:34	
m&p-Xylene	ug/L	<0.80	2.0	05/25/17 08:34	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	05/25/17 08:34	
Naphthalene	ug/L	<0.42	1.0	05/25/17 08:34	
o-Xylene	ug/L	<0.45	1.0	05/25/17 08:34	
Toluene	ug/L	<0.39	1.0	05/25/17 08:34	
a,a,a-Trifluorotoluene (S)	%	100	80-120	05/25/17 08:34	

LABORATORY CONTROL SAMPLE & LCSD: 1513212 1513213

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	20.5	20.7	102	103	80-120	1	20	
1,3,5-Trimethylbenzene	ug/L	20	19.7	19.9	99	99	80-120	1	20	
Benzene	ug/L	20	21.1	21.2	106	106	80-120	0	20	
Ethylbenzene	ug/L	20	21.1	21.1	105	105	80-120	0	20	
m&p-Xylene	ug/L	40	41.7	41.6	104	104	80-120	0	20	
Methyl-tert-butyl ether	ug/L	20	19.1	20.1	96	100	80-120	5	20	
Naphthalene	ug/L	20	21.3	22.9	107	115	80-120	7	20	
o-Xylene	ug/L	20	20.9	20.9	105	104	80-120	0	20	
Toluene	ug/L	20	20.7	20.8	103	104	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				100	100	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1513399 1513400

Parameter	Units	40150516004 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	1340	500	500	1890	1870	110	106	11-200	1	20	
1,3,5-Trimethylbenzene	ug/L	353	500	500	856	848	101	99	54-142	1	20	
Benzene	ug/L	3120	500	500	3690	3660	114	107	66-140	1	20	
Ethylbenzene	ug/L	2420	500	500	3020	2970	119	110	66-143	2	20	
m&p-Xylene	ug/L	5850	1000	1000	7010	6910	117	106	60-141	1	20	
Methyl-tert-butyl ether	ug/L	284	500	500	758	737	95	91	70-129	3	20	
Naphthalene	ug/L	503	500	500	1020	1020	103	104	64-129	0	20	
o-Xylene	ug/L	1970	500	500	2510	2470	109	101	68-132	2	20	
Toluene	ug/L	4980	500	500	5650	5590	134	121	76-130	1	20	M1

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1513399 1513400

Parameter	Units	40150516004 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)	%						99	100	80-120			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

QC Batch: 256780 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 40150520003, 40150520004, 40150520005, 40150520006, 40150520007, 40150520008, 40150520009

METHOD BLANK: 1513301 Matrix: Solid
Associated Lab Samples: 40150520003, 40150520004, 40150520005, 40150520006, 40150520007, 40150520008, 40150520009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.43	1.3	05/26/17 12:03	

LABORATORY CONTROL SAMPLE: 1513302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	51.3	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1513303 1513304

Parameter	Units	40150481001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	3.1	53.4	53.3	56.5	50.9	100	90	75-125	10	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

QC Batch: 256927 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40150520003, 40150520004, 40150520005, 40150520006, 40150520007, 40150520008, 40150520009

SAMPLE DUPLICATE: 1514236

Parameter	Units	40150520007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	30.5	30.5	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

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

QUALIFIERS

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

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.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
W	Non-detect results are reported on a wet weight basis.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 7367 AXUC HEDLUND DX
Pace Project No.: 40150520

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40150520003	**GP8 @ 2-4'**	TPH GRO/PVOC WI ext.	256748	WI MOD GRO	256776
40150520004	**GP8 @ 12-13'**	TPH GRO/PVOC WI ext.	256748	WI MOD GRO	256776
40150520005	**GP9 @ 2-4'**	TPH GRO/PVOC WI ext.	256748	WI MOD GRO	256776
40150520006	**GP10 @ 2-4'**	TPH GRO/PVOC WI ext.	256748	WI MOD GRO	256776
40150520007	**GP10 @ 8-9'**	TPH GRO/PVOC WI ext.	256994	WI MOD GRO	257051
40150520008	**GP11 @ 2-4'**	TPH GRO/PVOC WI ext.	256748	WI MOD GRO	256776
40150520009	**GP11 @ 7-8'**	TPH GRO/PVOC WI ext.	256748	WI MOD GRO	256776
40150520001	**GP8**	WI MOD GRO	256747		
40150520002	**GP9**	WI MOD GRO	256747		
40150520003	**GP8 @ 2-4'**	EPA 3050	256780	EPA 6010	256864
40150520004	**GP8 @ 12-13'**	EPA 3050	256780	EPA 6010	256864
40150520005	**GP9 @ 2-4'**	EPA 3050	256780	EPA 6010	256864
40150520006	**GP10 @ 2-4'**	EPA 3050	256780	EPA 6010	256864
40150520007	**GP10 @ 8-9'**	EPA 3050	256780	EPA 6010	256864
40150520008	**GP11 @ 2-4'**	EPA 3050	256780	EPA 6010	256864
40150520009	**GP11 @ 7-8'**	EPA 3050	256780	EPA 6010	256864
40150520003	**GP8 @ 2-4'**	ASTM D2974-87	256927		
40150520004	**GP8 @ 12-13'**	ASTM D2974-87	256927		
40150520005	**GP9 @ 2-4'**	ASTM D2974-87	256927		
40150520006	**GP10 @ 2-4'**	ASTM D2974-87	256927		
40150520007	**GP10 @ 8-9'**	ASTM D2974-87	256927		
40150520008	**GP11 @ 2-4'**	ASTM D2974-87	256927		
40150520009	**GP11 @ 7-8'**	ASTM D2974-87	256927		

40150520
~~401502~~ 5/24/17

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

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

*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:	RET
Branch/Location:	Wausau
Project Contact:	Dave Larsen
Phone:	715 675 9784
Project Number:	7367 AXUC
Project Name:	Hedlund OX
Project State:	WI
Sampled By (Print):	Scott Blado/Dave Larsen
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	PCLFA UIC

Quote #:	
Mail To Contact:	Dave Larsen
Mail To Company:	RET
Mail To Address:	Dlarsen@reiengineering.com
Invoice To Contact:	SAA
Invoice To Company:	SAA
Invoice To Address:	
Invoice To Phone:	

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

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

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

FILTERED? (YES/NO)				Y/N	N	N	N	N	
PRESERVATION (CODE)*				Pick Letter	B	F	A	A	
				Analyses Requested	PVOC/N	PVOC/N	Lead	~~Total~~ Total Solids	

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	PVOC/N (B)	PVOC/N (F)	Lead (A)	Total Solids (A)	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	GP8	5/22/17	3:30	GW	↓				3-40mLvB ↓		
002	GP9	↓	3:20	↓	↓				↓		
~~003~~	GP11	↓	7:30	↓	↓						
003 ~~004~~	GP8 @ 2-4'	↓	1:51	S		↓	↓	↓	1-40mLvF	1-4oz A	
004 ~~005~~	GP8 @ 12-13'	↓	2:02	↓		↓	↓	↓	↓	↓	
005 ~~006~~	GP9 @ 2-4'	↓	2:21	↓		↓	↓	↓	↓	↓	
006 ~~007~~	GP10 @ 2-4'	↓	6:56	↓		↓	↓	↓	↓	↓	
007 ~~008~~	GP10 @ 8-9'	↓	7:06	↓		↓	↓	↓	1-40mLvF	↓	
008 ~~009~~	GP11 @ 2-4'	↓	7:12	↓		↓	↓	↓	↓	↓	
009 ~~010~~	GP11 @ 7-8'	↓	7:20	↓		↓	↓	↓	↓	↓ KK 5/24/17	

5/24/17

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	5/23/17 4:00		
Waltco	5/24/17 0900	[signature] Pace	5/24/17 0900

PACE Project No. 40150520
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal
Present / Not Present (circled)
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Condition Upon Receipt

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

Pace Analytical

Client Name: REI

Project #:

AFFIX WORKORDER LABEL HERE

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

Tracking #: 137807971

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 S2-74 **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2°C /Corr: 3°C **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

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

Person examining contents:
Date: 5/26/17
Initials: RMV

		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 & 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. missing volumn vile GP10 8-9' sample 007 RMV 5/26
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.
-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:

Project Manager Review: Date: 5-26-17

Sample Condition Upon Receipt

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

Project #: WO#: 40150520

Client Name: REI

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

Tracking #: 1374888-2

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: /Corr: RO1 **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

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

Person examining contents:
Date: 5/24/17
Initials: KF

		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 & 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. received no volume for GP-11, KF 5/24/17
Correct Containers Used:	5/24/17 KF ☐Yes ☑No ☐N/A	9. received no vial volume for 007
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☐N/A	KF 5/24/17
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.
-Includes date/time/ID/Analysis Matrix: WTS		
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:
Person Contacted: _____ Date/Time: _____ If checked, see attached form for additional comments ☐
Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 5-25-17

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