REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

October 25, 2019

Wisconsin Department of Natural Resources
Attn: Ms. Carrie Stoltz
107 Sutliff Avenue
Rhinelander, WI 54501

Subject:

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

Dear Ms. Stoltz:

Enclosed is the Update Report for the above-mentioned site. This report is specific to the completion of two (2) rounds of approved groundwater sampling followed by an update report. Based on current site conditions, REI is recommending that this investigation be directed to the WDNR case closure review process for final case closure determination.

If upon review of this report you have any comments, questions and/or require additional information please contact our office at (715) 675-9784.

Sincerely,
REI Engineering, Inc.

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

Enclosure (A/S)

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

REI

CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

Update Report

Hedlund DX
10557 State Highway 70
Falun, WI

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

COMPREHENSIVE SERVICES WITH PRACTICAL SOLUTIONS

UPDATE REPORT

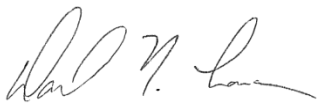
HEDLUND DX
10557 STATE HIGHWAY 70
FALUN, WI

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

REI #7367

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, David N. Larsen, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of Ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of Ch. GHSS 3, Wis. Admn. Code, and that to the best of my knowledge, all 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."



Hydrogeologist — 10-25-2019 Date

"I, Brian J. Bailey, 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 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."

Environmental Scientist — 10-25-2019 Date

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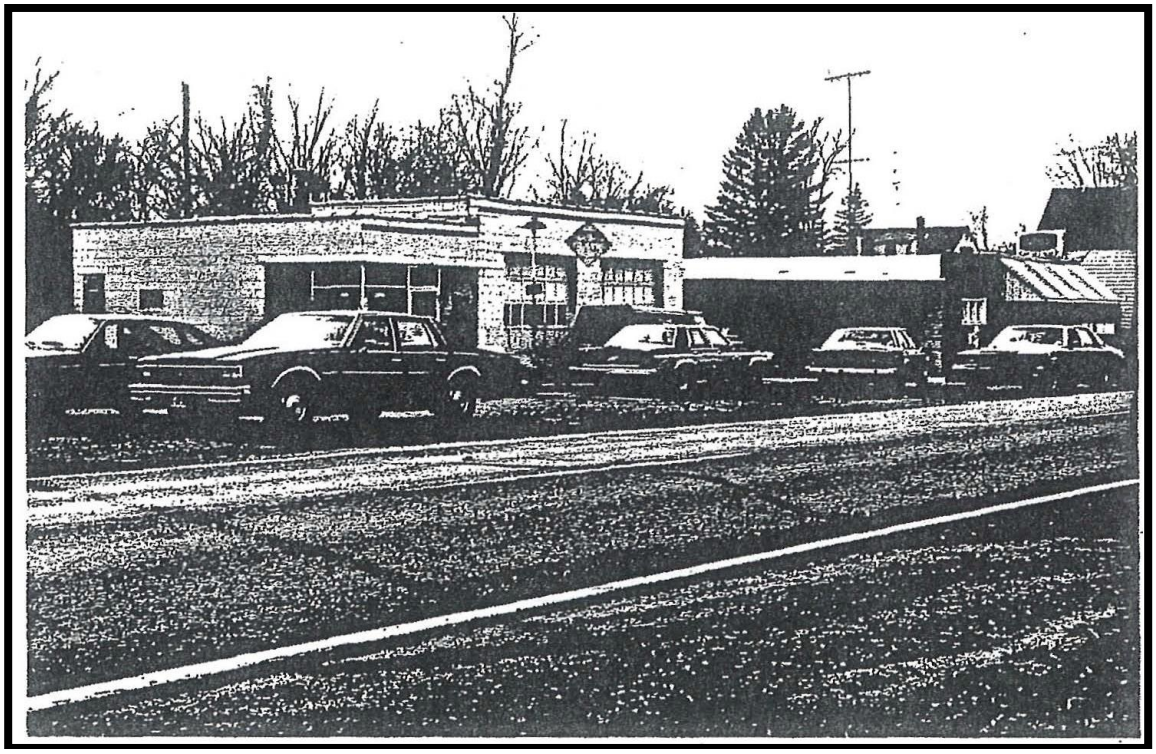
10557 STATE HIGHWAY 70
FALUN, WI

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

OCTOBER 2019

UPDATE REPORT

HEDLUND DX
10557 STATE HIGHWAY 70
FALUN, WI

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

REI #7367

1.0 INTRODUCTION

1.1 Purpose

This report presents the completion of two (2) additional rounds of groundwater sampling at the former Hedlund DX site. This report provides groundwater sampling data for four (4) groundwater sampling events following the September 2018 soil excavation. The soil excavation did not extend to the groundwater table at approximately fourteen feet, rather it was terminated at a depth of approximately eight (8) feet below land surface (bls). Site soil conditions are clay soils overlying saturated sands at a depth of approximately fourteen feet bls. Had the excavation extended to the water table, the groundwater would have entered the excavation and likely risen to the potentiometric surface of less than three (3) feet bls.

2.0 SITE LOCATION

The former 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.

3.0 SUMMARY OF WORK

3.1 Groundwater Monitoring and Analytical Results

Two (2) rounds of groundwater sampling were completed from the existing well network on June 4, 2019 and September 9, 2019. MW6 was not sampled on September 9, 2019 due to a truck being parked over the well.

Depth to groundwater was measured in each well prior to sampling. Table 1 presents the depth to groundwater and groundwater elevations for this investigation. All purge water was containerized and disposed of at the City of Wausau waste water treatment facility. Groundwater samples were collected and submitted to Pace Analytical, Green Bay, WI for analysis of PVOC and naphthalene compounds. Groundwater analytical results are summarized in Tables 2a-o. The complete laboratory analytical report is included as Appendix A.

Groundwater sample results document residual groundwater contamination in concentrations exceeding the NR 140.10 Groundwater Quality Enforcement Standards (ES) for petroleum compounds following the September 2018 soil excavation at MW2R, MW3R, MW4R and MW5R. An ES exceedance was also reported at MW6 following the June 4, 2019 sample event and MW6 was not sampled on the September 6, 2019 sample event because a truck was parked over the well.

3.2 Potable Well Sampling

REI collected samples from the Backwoods Bait and Tackle, 10561 State Hwy 70 potable well during the June 4 and September 6, 2018 sample events. REI collected samples from the Bob's Service, 10531 State Hwy 70 potable well during the September 6, 2018 sample event.

The samples collected from the September 6, 2019 sample event were required to be resampled. The potable wells were resampled on September 26, 2019. The potable well samples were submitted to a state certified lab and analyzed for drinking water VOCs (EPA Method 524.2). The potable well samples analyzed revealed no VOC

impact to the potable water supply wells. Analytical results are summarized in Table 2n and 2o and copies of the laboratory analytical reports are included in Appendix A.

4.0 CONCLUSION AND RECOMMENDATIONS

REI has completed the previously approved scope of services. While groundwater analytical results remain near pre-excavation levels, the soil excavation did not extend into the smear zone. Artesian conditions limited the depth of the excavation from approximately fourteen (14) feet to eight (8) feet bgs. Vapor intrusion sampling has ruled out vapor migration pathways into the Backwoods Bait and Tackle, 10561 State Hwy 70 property. Additional investigative work is not warranted at this time and REI is recommending that the former Hedlund DX investigation be directed to the WDNR case closure review process.

Table 1
Depth to Water and Water Table Elevations
Hedlund DX
Falun, Wisconsin

Depth to Water (feet) below Reference Elevation

Date	MW1	MW2	MW2R	MW3	MW3R	MW4	MW4R	MW5	MW5R	MW6	MW7	MW8	MW9	MW10	MW11
9/14/2016	5.23	2.02		1.74		2.18		2.46		2.50	0.97				
1/12/2017	5.86	froze		2.11		2.66		2.67		2.79	1.04	4.59	3.35	5.83	2.63
1/26/2018	4.34	froze		2.10		3.95		froze		2.62	froze	4.33	3.03	5.45	froze
5/16/2018	5.54	2.85		2.17		2.61		3.04		3.09	1.60	4.89	3.56	6.10	2.89
9/25/2018	5.08	Abandoned	2.94	Abandoned	2.18	Abandoned	4.72	Abandoned	3.00	3.51	1.62	4.64	3.77	6.12	2.97
12/12/2018	4.68		2.94		2.48		3.41		3.46	3.12	1.42	4.91	3.63	3.54	2.81
6/14/2019	5.81		1.47		1.87		2.34		2.48	2.71	1.27	4.55	3.27	5.68	2.38
9/6/2019	5.72		2.89		2.41		3.13		3.29		1.68	5.08	3.85	6.30	2.98

Measuring Point Elevations

Elevations referenced to a U.S.G.S. Benchmark (feet MSL)

Top of Casing Elevation

Initial Survey	961.15	958.40		957.79		958.04		958.69		958.97	957.21	960.68	959.39	961.41	958.33
9/28/2018			958.39		958.05		958.55		959.02						

Ground Surface Elevation

Initial Survey	959.18	958.79		958.30		958.57		959.00		959.55	957.76	961.02	959.78	958.25	958.92
9/28/2018			958.74		958.10		958.89		959.27						

Depth to Water (feet) below Ground Surface

Average	3.32	2.82	2.91	2.54	2.29	3.38	3.74	3.03	3.31	3.49	1.92	5.05	3.88	2.41	3.37
Maximum	3.89	3.23	3.29	2.68	2.53	4.48	5.06	3.35	3.71	4.09	2.23	5.42	4.24	3.14	3.57
Minimum	2.37	2.40	1.82	2.25	1.92	2.71	2.68	2.77	2.73	3.08	1.52	4.67	3.42	0.38	2.97
Range	1.52	0.83	1.47	0.43	0.61	1.77	2.38	0.58	0.98	1.01	0.71	0.75	0.82	2.76	0.60

Water Level Elevation (feet MSL)

Date	MW1	MW2	MW2R	MW3	MW3R	MW4	MW4R	MW5	MW5R	MW6	MW7	MW8	MW9	MW10	MW11
9/14/2016	955.92	956.38		956.05		955.86		956.23		956.47	956.24				
1/12/2017	955.29			955.68		955.38		956.02		956.18	956.17	956.09	956.04	955.58	955.70
1/26/2018	956.81			955.69		954.09				956.35		956.35	956.36	955.96	
5/16/2018	955.61	955.55		955.62		955.43		955.65		955.88	955.61	955.79	955.83	955.31	955.44
9/25/2018	956.07	Abandoned	955.45	Abandoned	955.87	Abandoned	953.83	Abandoned	956.02	955.46	955.59	956.04	955.62	955.29	955.36
12/12/2018	956.47		955.45		955.57		955.14		955.56	955.85	955.79	955.77	955.76	957.87	955.52
6/14/2019	955.34		956.92		956.18		956.21		956.54	956.26	955.94	956.13	956.12	955.73	955.95
9/6/2019	955.43		955.50		955.64		955.42		955.73	958.97	955.53	955.60	955.54	955.11	955.35

Table 2a
Summary of Groundwater Analytical Results
WDOT Investigation
Hedlund DX
Falun, Wisconsin

			Sample Location ->	WDX-1	WDX-3	WDX-5
			Date ->	11/7/1989	6/7/1990	6/7/1990
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	**120**	**224**	**690**
Toluene	800	160	µg/l	140	*180*	18
Ethylbenzene	700	140	µg/l	58	19	5.9
Xylenes (mixed isomers)	2,000	400	µg/l	140	117	*810*
1,2-DCA	5	0.5	µg/l	**11**	NA	NA

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

Table 2b
Summary of Groundwater Analytical Results
Foth & Van Dyke Investigation
Hedlund DX
Falun, Wisconsin

				MW1		MW3		MW4	
			Date ->	12/31/1990	3/21/1991	12/31/1990	3/21/1991	12/31/1990	3/21/1991
Detected VOC Parameters	ES	PAL	Units						
TPH as Gasoline			µg/l	60	78	870	27,000	70	120,000
Benzene	5	0.5	µg/l	< 1.0	< 1.0	**6**	**1,700**	< 1.0	**6,900**
Toluene	800	160	µg/l	< 1.0	< 1.0	26	**890**	< 1.1	**2,000**
Ethylbenzene	700	140	µg/l	< 1.0	< 1.0	9	*450*	< 1.0	**1,600**
Xylenes (mixed isomers)	2,000	400	µg/l	< 3.0	9.3	49	1,600	< 1.0	**7,800**
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 4.0	< 4.0	< 4.0	**88**	< 4.0	< 4.0
Lead	15	1.5	µg/l	**200**	< 1.0	< 1.0	< 1.0	**400**	**40**

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

Table 2c
Summary of Groundwater Analytical Results
MW1
Hedlund DX
Falun, Wisconsin

			Date ->	8/8/2016	9/13/2016	1/11/2017	1/26/2018	5/16/2018	September 17-18, 2018	9/25/2018	12/12/2018	6/4/2019	9/6/2019
Detected VOC Parameters	ES	PAL	Units										
Benzene	5	0.5	µg/l	< 0.40	< 0.40	< 0.40	< 0.40	< 0.31		< 0.31	< 0.31	< 0.25	< 0.25
Toluene	800	160	µg/l	< 0.39	< 0.39	< 0.39	< 0.39	< 0.49		< 0.49	< 0.49	< 0.17	< 0.17
Ethylbenzene	700	140	µg/l	< 0.39	< 0.39	< 0.39	< 0.39	< 0.33		< 0.33	< 0.33	< 0.22	< 0.22
Xylenes (mixed isomers)	2,000	400	µg/l	< 0.80	< 0.80	< 0.80	< 0.80	0.67[J]		< 0.66	< 0.66	< 0.47	< 0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.48	< 0.48	< 0.48	< 0.48	< 0.32		< 0.32	< 0.32	< 1.2	< 1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.42	< 0.42	< 0.42	< 0.42	0.42[J]	Soil	< 0.34	< 0.34	< 0.87	< 0.87
Naphthalene	100	10	µg/l	< 0.42	< 0.42	< 0.42	< 0.42	< 0.51	Excavation	< 0.51	< 0.51	< 1.2	< 1.2
Field Measurements									Completed				
Temperature			°F	NA	NA	NA	40.72	NA		60.3	47.2	49.1	59.5
Conductivity			ms/cm	NA	NA	NA	294	NA		520.8	702	532.8	595.3
Dissolved Oxygen			mg/L	NA	NA	NA	2.00	NA		0.52	0.29	0.58	1.1
pH				NA	NA	NA	7.45	NA		6.74	7.35	7.03	6.75
Redox Potential			mV	NA	NA	NA	-127.8	NA		-103.1	-36.5	-52.1	-49.6

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

Table 2d
Summary of Groundwater Analytical Results
MW2/MW2R
Hedlund DX
Falun, Wisconsin

				MW2					MW2R			
			Date ->	9/13/2016	1/11/2017	1/26/2018	5/16/2018	September 17-18, 2018	9/25/2018	12/12/2018	6/4/2019	9/6/2019
Detected VOC Parameters	ES	PAL	Units									
Benzene	5	0.5	µg/l	**32.7**	Water Froze in Well - Not Sampled	Water Froze in Well - Not Sampled	**50.8**	Soil Excavation Completed	**16.7**	**45.6**	**76.3**	**48.1**
Toluene	800	160	µg/l	9.1			3.5		1.3[J]	2.7	7.4	2.4[J]
Ethylbenzene	700	140	µg/l	19			10.4		3.6	11.3	24.5	25.7
Xylenes (mixed isomers)	2,000	400	µg/l	52.1			23.2		9.4	24.1	57.1	16.5
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	0.95[J]			0.67[J]		< 0.32	0.39[J]	< 1.2	< 1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	10.1			12.4		2.1	6.6	16.9	9.6
Naphthalene	100	10	µg/l	3.5			3.1		0.53[J]	1.8	3.5[J]	2.4[J]
Field Measurements												
Temperature			°F	NA			NA	MW2 Abandoned Replaced with MW2R	NA	45.9	52.5	64.6
Conductivity			ms/cm	NA			NA		NA	502.9	482.2	500.7
Dissolved Oxygen			mg/L	NA			NA		NA	0.77	0.92	0.58
pH				NA			NA		NA	7.27	7.02	7.24
Redox Potential			mV	NA			NA		NA	11.1	-17.7	-96

Notes:
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Enforcement Standard exceeded **BOLD**
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Table 2e
Summary of Groundwater Analytical Results
MW3/MW3R
Hedlund DX
Falun, Wisconsin

				MW3					MW3R			
			Date ->	9/13/2016	1/11/2017	1/26/2018	5/16/2018	September	9/25/2018	12/12/2018	6/4/2019	9/6/2019
Detected VOC Parameters	ES	PAL	Units					17-18, 2018				
Benzene	5	0.5	µg/l	**165**	**44.6**	< 0.40	**607**		**112**	**121**	**29.3**	**30.0**
Toluene	800	160	µg/l	36.1	0.79[J]	< 0.39	99.5		4.9	< 0.98	1.1[J]	0.25[J]
Ethylbenzene	700	140	µg/l	*146*	12.3	< 0.39	*314*	Soil	20.7	3.9	18.8	0.99[J]
Xylenes (mixed isomers)	2,000	400	µg/l	*720*	14.4	< 0.80	*569*	Excavation	33.6	< 1.3	20.1	1.8[J]
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 1.2	1.0	< 0.48	< 3.2	Completed	< 0.64	< 0.64	< 2.5	< 1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	*183.1*	12.0	< 0.42	*128.3*		12.2	< 0.68	19.9	1.0[J]
Naphthalene	100	10	µg/l	*44.9*	5.0	< 0.42	*49.4*		5.1	< 1.0	6.3[J]	< 1.2
Field Measurements												
Temperature			°F	NA	NA	NA	NA	MW3	NA	44.6	56.6	64.5
Conductivity			ms/cm	NA	NA	NA	NA	Abandoned	NA	518.3	502.7	511.2
Dissolved Oxygen			mg/L	NA	NA	NA	NA	Replaced	NA	0.08	0.36	0.40
pH				NA	NA	NA	NA	with MW3R	NA	7.31	6.20	7.26
Redox Potential			mV	NA	NA	NA	NA		NA	-36.2	-91.9	-108.1

Notes:
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Table 2f
Summary of Groundwater Analytical Results
MW4/MW4R
Hedlund DX
Falun, Wisconsin

				MW4					MW4R			
			Date ->	9/13/2016	1/11/2017	1/26/2018	5/16/2018	September 17-18, 2018	9/25/2018	12/12/2018	6/4/2019	9/6/2019
Detected VOC Parameters	ES	PAL	Units									
Benzene	5	0.5	µg/l	**1,130**	**659**	**460**	**884**	Soil Excavation Completed	**1,600**	**835**	**198**	**267**
Toluene	800	160	µg/l	*301*	18.7	11.6	43.7		**924**	*262*	71.4	35.8
Ethylbenzene	700	140	µg/l	*395*	*146*	99.2	*154*		**890**	*264*	*170*	93.1
Xylenes (mixed isomers)	2,000	400	µg/l	**11,504**	160	65	236.4		**5,180**	**2,770**	*725*	396
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 2.4	< 4.8	< 4.8	< 6.4		< 8.0	9.4[J]	< 12.5	< 6.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	*322.7*	49.3	21.2	*100.4*		**1,029**	**898**	**630**	**587**
Naphthalene	100	10	µg/l	*74.7*	*13.9*	7.8[J]	*22.6*[J]	MW4 Abandoned Replaced with MW4R	**280**	**174**	*94.2*	**147**
Field Measurements												
Temperature			°F	NA	NA	42.3	NA		NA	NA	NA	63.1
Conductivity			ms/cm	NA	NA	33.7	NA		NA	NA	NA	2,778
Dissolved Oxygen			mg/L	NA	NA	0.97	NA		NA	NA	NA	0.41
pH				NA	NA	7.3	NA		NA	NA	NA	6.75
Redox Potential			mV	NA	NA	-212.8	NA		NA	NA	NA	-54.7

Notes:
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Enforcement Standard exceeded **BOLD**
Preventive Action Limit exceeded *Italics*
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NS = Not Sampled
[J] = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 2g
Summary of Groundwater Analytical Results
MW5/MW5R
Hedlund DX
Falun, Wisconsin

				MW5					MW5R			
			Date ->	9/13/2016	1/11/2017	1/26/2018	5/16/2018	September 17-18, 2018	9/25/2018	12/12/2018	6/4/2019	9/6/2019
Detected VOC Parameters	ES	PAL	Units									
Benzene	5	0.5	µg/l	**119**	**77.9**	Water Froze in Well - Not Sampled	**175**	Soil Excavation Completed	**247**	**146**	**10.3**	**40**
Toluene	800	160	µg/l	24	11.7		69.2		57.8	37.2	3.0[J]	12.8
Ethylbenzene	700	140	µg/l	109	65.1		*381*		*267*	*365*	50.2	*227*
Xylenes (mixed isomers)	2,000	400	µg/l	285	102		*608.4*		*637.5*	*562.9*	99.9	*446.2*
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	2.0	1.3		7.3[J]		3.5[J]	4.9[J]	< 2.5	< 1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	79.3	32.8		**545**		*441*	**528**	*123.4*	**568**
Naphthalene	100	10	µg/l	*17.2*	*10.6*		*91.7*	MW5 Abandoned Replaced with MW5R	*56.7*	*95.9*	*13.3*	*81.3*
Field Measurements												
Temperature			°F	NA	NA		NA		NA	46.5	51.6	68.2
Conductivity			ms/cm	NA	NA		NA		NA	768	678	1,142
Dissolved Oxygen			mg/L	NA	NA		NA		NA	0.16	0.3	0.36
pH				NA	NA		NA		NA	7.26	6.78	6.87
Redox Potential			mV	NA	NA		NA		NA	-40.3	-121.7	-116

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

Table 2h
Summary of Groundwater Analytical Results
MW6
Hedlund DX
Falun, Wisconsin

			Date ->	9/13/2016	1/11/2017	1/26/2018	5/16/2018	September 17-18, 2018	9/25/2018	12/12/2018	6/4/2019	9/6/2019
Detected VOC Parameters	ES	PAL	Units									
Benzene	5	0.5	µg/l	*3.5*	**23.1**	**6.5**	*1.6*		*3.6*	*2.9*	**7.9**	
Toluene	800	160	µg/l	0.88[J]	< 0.39	< 0.39	< 0.49		< 0.49	< 0.49	< 0.17	
Ethylbenzene	700	140	µg/l	2.8	3.9	0.62[J]	< 0.33		< 0.33	< 0.33	1.3	
Xylenes (mixed isomers)	2,000	400	µg/l	6.4	< 0.80	< 0.80	< 0.66		< 0.66	0.69[J]	3.3	
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.48	< 0.48	< 0.48	< 0.32		< 0.32	< 0.32	< 1.2	Not Sampled Truck Parked over Well
Trimethylbenzenes (mixed isomers)	480	96	µg/l	1.3	< 0.42	0.50[J]	< 0.34	Soil Excavation Completed	0.40[J]	0.44[J]	< 0.87	
Naphthalene	100	10	µg/l	0.46[J]	< 0.42	< 0.42	< 0.51		< 0.51	< 0.51	< 1.2	
Field Measurements												
Temperature			°F	NA	NA	41.8	NA		63.9	45.5	49.8	
Conductivity			ms/cm	NA	NA	303	NA		529	966	772	
Dissolved Oxygen			mg/L	NA	NA	3.43	NA		3.03	0.51	0.70	
pH				NA	NA	7.32	NA		6.74	7.16	5.90	
Redox Potential			mV	NA	NA	-162.9	NA		123.5	85.6	21.6	

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

Table 2i
Summary of Groundwater Analytical Results
MW7
Hedlund DX
Falun, Wisconsin

	ES	PAL	Units	9/21/2016	1/11/2017	1/26/2018	5/16/2018	September	9/25/2018	12/12/2018	6/4/2019	9/6/2019
Dissolved Lead	15	1.5	µg/l	< 3.0	NA	NA	NA	17-18, 2018	NA	NA	NA	NA
Detected VOC Parameters												
Benzene	5	0.5	µg/l	< 0.40	< 0.40		< 0.31		< 0.31	< 0.31	< 0.25	< 0.25
Toluene	800	160	µg/l	< 0.39	< 0.39		< 0.49		< 0.49	< 0.49	< 0.17	< 0.17
Ethylbenzene	700	140	µg/l	< 0.39	< 0.39		< 0.33		< 0.33	< 0.33	< 0.22	< 0.22
Xylenes (mixed isomers)	2,000	400	µg/l	< 0.80	< 0.80		< 0.66		< 0.66	< 0.66	< 0.47	< 0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.48	< 0.48		< 0.32		< 0.32	< 0.32	< 1.2	< 1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.42	< 0.42	Water Froze in Well - Not Sampled	< 0.34	Soil Excavation Completed	< 0.34	< 0.34	< 0.87	< 0.87
Naphthalene	100	10	µg/l	< 0.42	< 0.42		< 0.51		< 0.51	< 0.51	< 1.2	< 1.2
Field Measurements												
Temperature			°F	NA	NA		NA		66.2	41.4	47.7	61.5
Conductivity			ms/cm	NA	NA		NA		475.5	455.7	325.6	410.3
Dissolved Oxygen			mg/L	NA	NA		NA		2.57	0.54	2.12	0.76
pH				NA	NA		NA		7.17	7.29	7.21	8.00
Redox Potential			mV	NA	NA		NA		-47.5	162.2	112.8	-141

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

Table 2j
Summary of Groundwater Analytical Results
MW8
Hedlund DX
Falun, Wisconsin

			Date ->	1/11/2017	1/26/2018	5/16/2018	September	9/25/2018	12/12/2018	6/4/2019	9/6/2019
Detected VOC Parameters	ES	PAL	Units				17-18, 2018				
Benzene	5	0.5	µg/l	< 0.50	< 0.40	< 0.31		< 0.31	< 0.31	< 0.25	< 0.25
Toluene	800	160	µg/l	< 0.50	< 0.39	< 0.49		< 0.49	< 0.49	< 0.17	< 0.17
Ethylbenzene	700	140	µg/l	< 0.50	< 0.39	< 0.33		< 0.33	< 0.33	< 0.22	< 0.22
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.0	< 0.80	< 0.66		< 0.66	< 0.66	< 0.47	< 0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.17	< 0.48	< 0.32		< 0.32	< 0.32	< 1.2	< 1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.50	< 0.42	< 0.34		< 0.34	< 0.34	< 0.87	< 0.87
Naphthalene	100	10	µg/l	< 2.5	< 0.42	< 0.51		< 0.51	< 0.51	< 1.2	< 1.2
Tetrachloroethene	5	0.5	µg/l	*0.75*[J]	NA	NA	Soil	NA	NA	NA	NA
Inorganic Compounds							Excavation				
Dissolved Iron	300	150	µg/l	**4,670**	NA	NA	Completed	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/l	**1,190**	NA	NA		NA	NA	NA	NA
Field Measurements											
Temperature			°F	NA	46.98	NA		59.8	49.2	51.5	55.9
Conductivity			ms/cm	NA	784	NA		1,675	2,103	1,810	977
Dissolved Oxygen			mg/L	NA	3.41	NA		1.35	0.16	0.60	0.63
pH				NA	7.45	NA		6.86	7.08	6.87	7.02
Redox Potential			mV	NA	-31.1	NA		-0.5	42.6	-28.8	-75.8

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

Table 2k
Summary of Groundwater Analytical Results
MW9
Hedlund DX
Falun, Wisconsin

			Date ->	1/11/2017	1/26/2018	5/16/2018	September	9/25/2018	12/12/2018	6/4/2019	9/6/2019
Detected VOC Parameters	ES	PAL	Units				17-18, 2018				
Benzene	5	0.5	µg/l	< 0.50	< 0.40	< 0.31		< 0.31	< 0.31	< 0.25	< 0.25
Toluene	800	160	µg/l	< 0.50	< 0.39	< 0.49		< 0.49	< 0.49	< 0.17	< 0.17
Ethylbenzene	700	140	µg/l	< 0.50	< 0.39	< 0.33		< 0.33	< 0.33	< 0.22	< 0.22
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.0	< 0.80	< 0.66		< 0.66	< 0.66	< 0.47	< 0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.17	< 0.48	< 0.32		< 0.32	< 0.32	< 1.2	< 1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.50	< 0.42	< 0.34		< 0.34	< 0.34	< 0.87	< 0.87
Naphthalene	100	10	µg/l	< 2.5	< 0.42	< 0.51		< 0.51	< 0.51	< 1.2	< 1.2
Tetrachloroethene	5	0.5	µg/l	*1.2*	NA	NA	Soil	NA	NA	NA	NA
Inorganic Compounds							Excavation				
Dissolved Iron	300	150	µg/l	**2,370**	NA	NA	Completed	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/l	**394**	NA	NA		NA	NA	NA	NA
Field Measurements											
Temperature			°F	NA	42.87	NA		61.2	45.8	48.1	55.9
Conductivity			ms/cm	NA	339	NA		1,043	1,001	667	977
Dissolved Oxygen			mg/L	NA	2.1	NA		0.46	1.0	0.25	0.63
pH				NA	7.37	NA		7.02	7.3	6.14	7.02
Redox Potential			mV	NA	-86.3	NA		-70.0	-8.6	-82.8	-75.8

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

Table 2l
Summary of Groundwater Analytical Results
MW10
Hedlund DX
Falun, Wisconsin

			Date ->	1/11/2017	1/26/2018	5/16/2018	September	9/25/2018	12/12/2018	6/4/2019	9/6/2019
Detected VOC Parameters	ES	PAL	Units				17-18, 2018				
Benzene	5	0.5	µg/l	< 0.50	< 0.40	< 0.31		< 0.31	< 0.31	< 0.25	< 0.25
Toluene	800	160	µg/l	< 0.50	< 0.39	< 0.49		< 0.49	< 0.49	< 0.17	< 0.17
Ethylbenzene	700	140	µg/l	< 0.50	< 0.39	< 0.33		< 0.33	< 0.33	< 0.22	< 0.22
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.0	< 0.80	< 0.66		< 0.66	< 0.66	< 0.47	< 0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.17	< 0.48	< 0.32		< 0.32	< 0.32	< 1.2	< 1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.50	< 0.42	< 0.34		< 0.34	< 0.34	< 0.87	< 0.87
Naphthalene	100	10	µg/l	< 2.5	< 0.42	< 0.51		< 0.51	< 0.51	< 1.2	< 1.2
Tetrachloroethene	5	0.5	µg/l	< 0.50	NA	NA	Soil	NA	NA	NA	NA
Inorganic Compounds							Excavation				
Dissolved Iron	300	150	µg/l	**1,560**	NA	NA	Completed	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/l	**284**	NA	NA		NA	NA	NA	NA
Field Measurements											
Temperature			°F	NA	387.93	NA		58.1	45.9	51.8	55.0
Conductivity			ms/cm	NA	183	NA		392.4	406.3	413	421
Dissolved Oxygen			mg/L	NA	1.95	NA		0.63	1.49	0.49	0.73
pH				NA	7.87	NA		7.54	7.74	7.68	7.38
Redox Potential			mV	NA	-111.2	NA		-102.7	-58.7	-109.1	-100.8

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

Table 2m
Summary of Groundwater Analytical Results
MW11
Hedlund DX
Falun, Wisconsin

			Date ->	1/11/2017	1/26/2018	5/16/2018	September	9/25/2018	12/12/2018	6/4/2019	9/6/2019
Detected VOC Parameters	ES	PAL	Units				17-18, 2018				
Benzene	5	0.5	µg/l	< 0.50		< 0.31		< 0.31	< 0.31	< 0.25	< 0.25
Toluene	800	160	µg/l	< 0.50		< 0.49		< 0.49	< 0.49	< 0.17	< 0.17
Ethylbenzene	700	140	µg/l	< 0.50		< 0.33		< 0.33	< 0.33	< 0.22	< 0.22
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.0		< 0.66		< 0.66	< 0.66	< 0.47	< 0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.17		< 0.32		< 0.32	< 0.32	< 1.2	< 1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.50		< 0.34		< 0.34	< 0.34	< 0.87	< 0.87
Naphthalene	100	10	µg/l	< 2.5		< 0.51		< 0.51	< 0.51	< 1.2	< 1.2
Tetrachloroethene	5	0.5	µg/l	< 0.50	Water Froze in Well - Not Sampled	NA	Soil Excavation Completed	NA	NA	NA	NA
Inorganic Compounds											
Dissolved Iron	300	150	µg/l	**468**		NA		NA	NA	NA	NA
Dissolved Manganese	50	25	µg/l	**292**		NA		NA	NA	NA	NA
Field Measurements											
Temperature			°F	NA		NA		61.2	38.5	58.1	62.9
Conductivity			ms/cm	NA		NA		342.3	380.6	416	398
Dissolved Oxygen			mg/L	NA		NA		0.31	0.78	0.80	1.49
pH				NA		NA		7.72	8.01	7.82	7.77
Redox Potential			mV	NA		NA		31.4	-29.4	18.3	-19.5

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

Table 2n
Summary of Groundwater Analytical Results
10561 State Highway 70 - Potable Well
Hedlund DX
Falun, Wisconsin

	ES	PAL	Units	9/21/2016	1/11/2017	1/26/2018	5/16/2018	September	9/25/2018	12/12/2018	6/4/2019	9/26/2019
Dissolved Lead	15	1.5	µg/l	< 3.0	NA		NA	17-18, 2018	NA	NA	NA	NA
Detected VOC Parameters												
Benzene	5	0.5	µg/l	< 0.086	< 0.086		< 0.032		< 0.12	< 0.12	< 0.23	< 0.12
Toluene	800	160	µg/l	< 0.080	< 0.080		< 0.12		< 0.078	< 0.078	< 0.22	< 0.078
Ethylbenzene	700	140	µg/l	< 0.051	< 0.051	Well Not	< 0.017	Soil	< 0.11	< 0.11	< 0.22	< 0.11
Xylenes (mixed isomers)	2,000	400	µg/l	< 0.073	< 0.073	Sampled	< 0.03	Excavation	< 0.30	< 0.30	< 0.48	< 0.30
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	NA	NA		< 0.016	Completed	< 0.17	< 0.17	< 0.29	< 0.17
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.083	< 0.083		< 0.025		< 0.23	< 0.23	< 0.22	< 0.23
Naphthalene	100	10	µg/l	< 0.064	< 0.064		< 0.022		< 0.18	< 0.18	< 0.23	< 0.18
Tetrachloroethene	5	0.5	µg/l	< 0.12	< 0.12		< 0.04		< 0.17	< 0.17	< 0.28	< 0.17

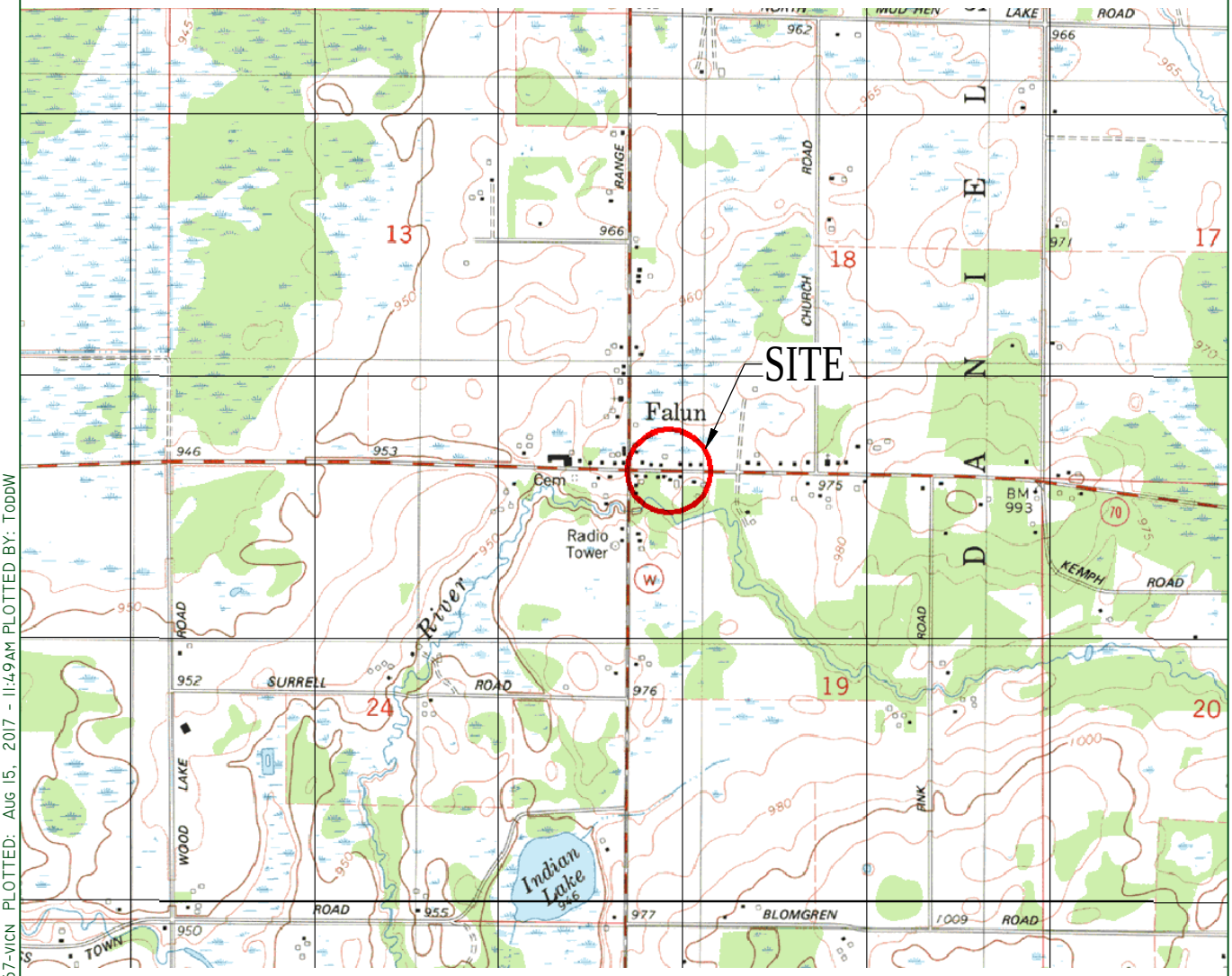
Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded **BOLD**
Preventive Action Limit exceeded *Italics*
NA = Not Analyzed
NS = Not Sampled
J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 2o
Summary of Groundwater Analytical Results
10531 State Highway 70 - Potable Well
Hedlund DX
Falun, Wisconsin

	ES	PAL	Units	9/21/2016	1/11/2017	1/26/2018	5/16/2018	September 17-18, 2018	9/25/2018	12/12/2018	6/4/2019	9/26/2019
Dissolved Lead	15	1.5	µg/l	< 3.0	Well Not Sampled	Well Not Sampled	Well Not Sampled	Soil Excavation Completed	NA	NA	Well Not Sampled	NA
Detected VOC Parameters												
Benzene	5	0.5	µg/l	< 0.086					< 0.12	< 0.12		< 0.12
Toluene	800	160	µg/l	< 0.080					< 0.078	< 0.078		< 0.078
Ethylbenzene	700	140	µg/l	< 0.051					< 0.11	< 0.11		< 0.11
Xylenes (mixed isomers)	2,000	400	µg/l	< 0.073					< 0.30	< 0.30		< 0.30
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	NA					< 0.17	< 0.17		< 0.17
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.083					< 0.23	< 0.23		< 0.23
Naphthalene	100	10	µg/l	< 0.064					< 0.18	< 0.18		< 0.18
Tetrachloroethene	5	0.5	µg/l	< 0.12					< 0.17	< 0.17		< 0.17

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

REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING



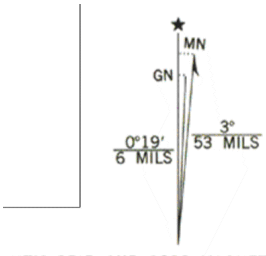
SCALE 1:24 000

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

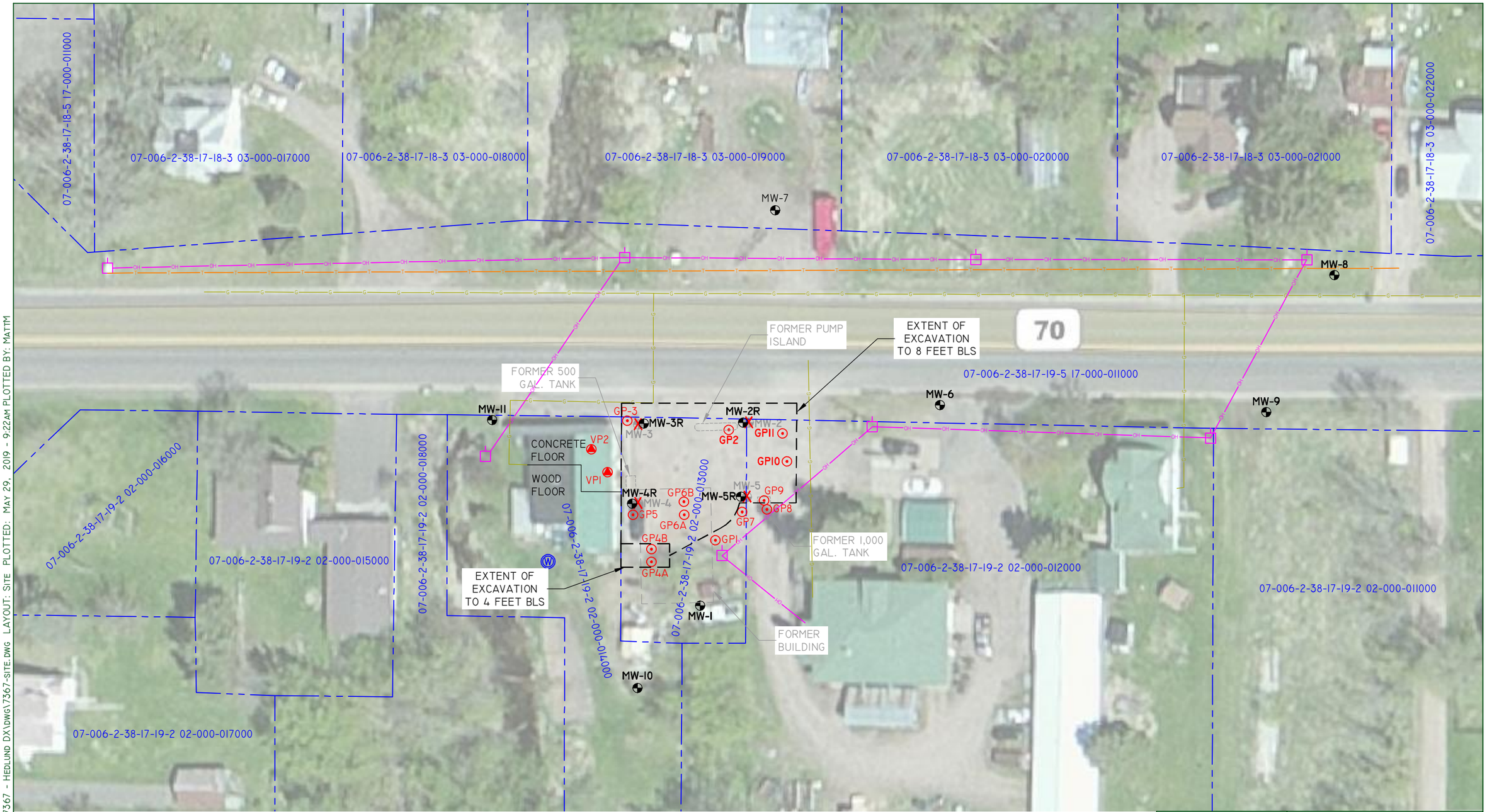
REI Engineering, INC.

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



DRAWING FILE: P:\7300-7399\7367 - HEDLUND DX\DWG\7367-SITE.DWG LAYOUT: SITE PLOTTED: MAY 29, 2019 - 9:22AM PLOTTED BY: MATTM

LEGEND

0 40

SCALE: 1" = 40'

- GEOPROBE SOIL BORING
- MONITORING WELL
- MONITORING WELL (ABANDONED)
- SUB-SLAB VAPOR PROBE
- POTABLE WELL
- UTILITY POLE
- BURIED GAS LINE
- BURIED TELECOMMUNICATIONS LINE
- OVERHEAD UTILITIES LINE
- EXCAVATION BOUNDARIES (APPROXIMATE)
- PROPERTY BOUNDARIES (APPROXIMATE)

N

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	MCM	5/29/2019

APPENDIX A

GROUNDWATER ANALYTICAL LABORATORY REPORTS

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

June 21, 2019

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

RE: Project: 7367 HEDLUND DX
Pace Project No.: 40188949

Dear DAVID LARSEN:
Enclosed are the analytical results for sample(s) received by the laboratory on June 06, 2019. 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.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

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 HEDLUND DX
Pace Project No.: 40188949

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 HEDLUND DX
Pace Project No.: 40188949

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40188949001	**MW1**	Water	06/04/19 13:00	06/06/19 09:05
40188949002	**MW2R**	Water	06/04/19 13:45	06/06/19 09:05
40188949003	**MW3R**	Water	06/04/19 13:30	06/06/19 09:05
40188949004	**MW4R**	Water	06/04/19 13:15	06/06/19 09:05
40188949005	**MW5R**	Water	06/04/19 14:00	06/06/19 09:05
40188949006	**MW6**	Water	06/04/19 14:15	06/06/19 09:05
40188949007	**MW7**	Water	06/04/19 14:30	06/06/19 09:05
40188949008	**MW8**	Water	06/04/19 14:45	06/06/19 09:05
40188949009	**MW9**	Water	06/04/19 15:00	06/06/19 09:05
40188949010	**MW10**	Water	06/04/19 15:15	06/06/19 09:05
40188949011	**MW11**	Water	06/04/19 15:30	06/06/19 09:05
40188949012	**BAITSHOP POTABLE**	Water	06/04/19 15:45	06/06/19 09:05

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SAMPLE ANALYTE COUNT

Project: 7367 HEDLUND DX
Pace Project No.: 40188949

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40188949001	**MW1**	EPA 8260	HNW	12
40188949002	**MW2R**	EPA 8260	HNW	12
40188949003	**MW3R**	EPA 8260	HNW	12
40188949004	**MW4R**	EPA 8260	HNW	12
40188949005	**MW5R**	EPA 8260	HNW	12
40188949006	**MW6**	EPA 8260	HNW	12
40188949007	**MW7**	EPA 8260	HNW	12
40188949008	**MW8**	EPA 8260	HNW	12
40188949009	**MW9**	EPA 8260	HNW	12
40188949010	**MW10**	EPA 8260	HNW	12
40188949011	**MW11**	EPA 8260	HNW	12

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ANALYTICAL RESULTS

Project: 7367 HEDLUND DX
Pace Project No.: 40188949

Sample: MW1 **Lab ID: 40188949001** Collected: 06/04/19 13:00 Received: 06/06/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/07/19 12:24	71-43-2	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/07/19 12:24	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/07/19 12:24	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/07/19 12:24	91-20-3	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/07/19 12:24	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/07/19 12:24	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/07/19 12:24	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/07/19 12:24	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/07/19 12:24	95-47-6	
Surrogates									
Dibromofluoromethane (S)	106	%	70-130		1		06/07/19 12:24	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/07/19 12:24	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-130		1		06/07/19 12:24	460-00-4	

Sample: MW2R **Lab ID: 40188949002** Collected: 06/04/19 13:45 Received: 06/06/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**76.3**	ug/L	1.0	0.25	1		06/07/19 12:47	71-43-2	
Ethylbenzene	**24.5**	ug/L	1.0	0.22	1		06/07/19 12:47	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/07/19 12:47	1634-04-4	
Naphthalene	**3.5J**	ug/L	5.0	1.2	1		06/07/19 12:47	91-20-3	
Toluene	**7.4**	ug/L	5.0	0.17	1		06/07/19 12:47	108-88-3	
1,2,4-Trimethylbenzene	**16.9**	ug/L	2.8	0.84	1		06/07/19 12:47	95-63-6	
1,3,5-Trimethylbenzene	**2.5J**	ug/L	2.9	0.87	1		06/07/19 12:47	108-67-8	
m&p-Xylene	**54.4**	ug/L	2.0	0.47	1		06/07/19 12:47	179601-23-1	
o-Xylene	**2.7**	ug/L	1.0	0.26	1		06/07/19 12:47	95-47-6	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1		06/07/19 12:47	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		06/07/19 12:47	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-130		1		06/07/19 12:47	460-00-4	

Sample: MW3R **Lab ID: 40188949003** Collected: 06/04/19 13:30 Received: 06/06/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**29.3**	ug/L	2.0	0.49	2		06/07/19 12:02	71-43-2	
Ethylbenzene	**18.8**	ug/L	2.0	0.44	2		06/07/19 12:02	100-41-4	
Methyl-tert-butyl ether	**<2.5**	ug/L	8.3	2.5	2		06/07/19 12:02	1634-04-4	
Naphthalene	**6.3J**	ug/L	10.0	2.4	2		06/07/19 12:02	91-20-3	
Toluene	**1.1J**	ug/L	10.0	0.34	2		06/07/19 12:02	108-88-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7367 HEDLUND DX
Pace Project No.: 40188949

Sample: MW3R **Lab ID: 40188949003** Collected: 06/04/19 13:30 Received: 06/06/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
1,2,4-Trimethylbenzene	**19.9**	ug/L	5.6	1.7	2		06/07/19 12:02	95-63-6	
1,3,5-Trimethylbenzene	**3.3J**	ug/L	5.8	1.7	2		06/07/19 12:02	108-67-8	
m&p-Xylene	**20.1**	ug/L	4.0	0.93	2		06/07/19 12:02	179601-23-1	
o-Xylene	**<0.52**	ug/L	2.0	0.52	2		06/07/19 12:02	95-47-6	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		2		06/07/19 12:02	1868-53-7	D3
Toluene-d8 (S)	101	%	70-130		2		06/07/19 12:02	2037-26-5	
4-Bromofluorobenzene (S)	109	%	70-130		2		06/07/19 12:02	460-00-4	

Sample: MW4R **Lab ID: 40188949004** Collected: 06/04/19 13:15 Received: 06/06/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**198**	ug/L	10.0	2.5	10		06/07/19 11:17	71-43-2	
Ethylbenzene	**170**	ug/L	10.0	2.2	10		06/07/19 11:17	100-41-4	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/07/19 11:17	1634-04-4	
Naphthalene	**94.2**	ug/L	50.0	11.8	10		06/07/19 11:17	91-20-3	
Toluene	**71.4**	ug/L	50.0	1.7	10		06/07/19 11:17	108-88-3	
1,2,4-Trimethylbenzene	**456**	ug/L	28.0	8.4	10		06/07/19 11:17	95-63-6	
1,3,5-Trimethylbenzene	**174**	ug/L	29.1	8.7	10		06/07/19 11:17	108-67-8	
m&p-Xylene	**535**	ug/L	20.0	4.7	10		06/07/19 11:17	179601-23-1	
o-Xylene	**190**	ug/L	10.0	2.6	10		06/07/19 11:17	95-47-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		10		06/07/19 11:17	1868-53-7	
Toluene-d8 (S)	102	%	70-130		10		06/07/19 11:17	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		10		06/07/19 11:17	460-00-4	

Sample: MW5R **Lab ID: 40188949005** Collected: 06/04/19 14:00 Received: 06/06/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**10.3**	ug/L	2.0	0.49	2		06/07/19 11:40	71-43-2	
Ethylbenzene	**50.2**	ug/L	2.0	0.44	2		06/07/19 11:40	100-41-4	
Methyl-tert-butyl ether	**<2.5**	ug/L	8.3	2.5	2		06/07/19 11:40	1634-04-4	
Naphthalene	**13.3**	ug/L	10.0	2.4	2		06/07/19 11:40	91-20-3	
Toluene	**3.0J**	ug/L	10.0	0.34	2		06/07/19 11:40	108-88-3	
1,2,4-Trimethylbenzene	**93.9**	ug/L	5.6	1.7	2		06/07/19 11:40	95-63-6	
1,3,5-Trimethylbenzene	**29.5**	ug/L	5.8	1.7	2		06/07/19 11:40	108-67-8	
m&p-Xylene	**94.2**	ug/L	4.0	0.93	2		06/07/19 11:40	179601-23-1	
o-Xylene	**5.7**	ug/L	2.0	0.52	2		06/07/19 11:40	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7367 HEDLUND DX
Pace Project No.: 40188949

Sample: MW5R **Lab ID: 40188949005** Collected: 06/04/19 14:00 Received: 06/06/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		2		06/07/19 11:40	1868-53-7	
Toluene-d8 (S)	103	%	70-130		2		06/07/19 11:40	2037-26-5	
4-Bromofluorobenzene (S)	109	%	70-130		2		06/07/19 11:40	460-00-4	

Sample: MW6 **Lab ID: 40188949006** Collected: 06/04/19 14:15 Received: 06/06/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/07/19 13:09	71-43-2	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/07/19 13:09	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/07/19 13:09	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/07/19 13:09	91-20-3	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/07/19 13:09	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/07/19 13:09	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/07/19 13:09	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/07/19 13:09	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/07/19 13:09	95-47-6	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		1		06/07/19 13:09	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/07/19 13:09	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-130		1		06/07/19 13:09	460-00-4	

Sample: MW7 **Lab ID: 40188949007** Collected: 06/04/19 14:30 Received: 06/06/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/07/19 13:32	71-43-2	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/07/19 13:32	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/07/19 13:32	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/07/19 13:32	91-20-3	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/07/19 13:32	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/07/19 13:32	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/07/19 13:32	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/07/19 13:32	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/07/19 13:32	95-47-6	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1		06/07/19 13:32	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/07/19 13:32	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-130		1		06/07/19 13:32	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7367 HEDLUND DX
Pace Project No.: 40188949

Sample: MW8 **Lab ID: 40188949008** Collected: 06/04/19 14:45 Received: 06/06/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/07/19 13:54	71-43-2	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/07/19 13:54	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/07/19 13:54	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/07/19 13:54	91-20-3	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/07/19 13:54	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/07/19 13:54	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/07/19 13:54	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/07/19 13:54	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/07/19 13:54	95-47-6	
Surrogates									
Dibromofluoromethane (S)	111	%	70-130		1		06/07/19 13:54	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		06/07/19 13:54	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		1		06/07/19 13:54	460-00-4	

Sample: MW9 **Lab ID: 40188949009** Collected: 06/04/19 15:00 Received: 06/06/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/07/19 14:16	71-43-2	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/07/19 14:16	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/07/19 14:16	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/07/19 14:16	91-20-3	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/07/19 14:16	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/07/19 14:16	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/07/19 14:16	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/07/19 14:16	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/07/19 14:16	95-47-6	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		1		06/07/19 14:16	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/07/19 14:16	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-130		1		06/07/19 14:16	460-00-4	

Sample: MW10 **Lab ID: 40188949010** Collected: 06/04/19 15:15 Received: 06/06/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/07/19 14:39	71-43-2	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/07/19 14:39	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/07/19 14:39	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/07/19 14:39	91-20-3	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/07/19 14:39	108-88-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7367 HEDLUND DX
Pace Project No.: 40188949

Sample: MW10 **Lab ID: 40188949010** Collected: 06/04/19 15:15 Received: 06/06/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/07/19 14:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/07/19 14:39	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/07/19 14:39	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/07/19 14:39	95-47-6	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		1		06/07/19 14:39	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/07/19 14:39	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		1		06/07/19 14:39	460-00-4	

Sample: MW11 **Lab ID: 40188949011** Collected: 06/04/19 15:30 Received: 06/06/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**7.9**	ug/L	1.0	0.25	1		06/07/19 15:01	71-43-2	
Ethylbenzene	**1.3**	ug/L	1.0	0.22	1		06/07/19 15:01	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/07/19 15:01	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/07/19 15:01	91-20-3	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/07/19 15:01	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/07/19 15:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/07/19 15:01	108-67-8	
m&p-Xylene	**3.3**	ug/L	2.0	0.47	1		06/07/19 15:01	179601-23-1	
o-Xylene	**0.51J**	ug/L	1.0	0.26	1		06/07/19 15:01	95-47-6	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		1		06/07/19 15:01	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/07/19 15:01	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		1		06/07/19 15:01	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 7367 HEDLUND DX
Pace Project No.: 40188949

QC Batch: 323698 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 40188949001, 40188949002, 40188949003, 40188949004, 40188949005, 40188949006, 40188949007, 40188949008, 40188949009, 40188949010, 40188949011

METHOD BLANK: 1879440 Matrix: Water
Associated Lab Samples: 40188949001, 40188949002, 40188949003, 40188949004, 40188949005, 40188949006, 40188949007, 40188949008, 40188949009, 40188949010, 40188949011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	06/07/19 08:39	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	06/07/19 08:39	
Benzene	ug/L	<0.25	1.0	06/07/19 08:39	
Ethylbenzene	ug/L	<0.22	1.0	06/07/19 08:39	
m&p-Xylene	ug/L	<0.47	2.0	06/07/19 08:39	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	06/07/19 08:39	
Naphthalene	ug/L	<1.2	5.0	06/07/19 08:39	
o-Xylene	ug/L	<0.26	1.0	06/07/19 08:39	
Toluene	ug/L	<0.17	5.0	06/07/19 08:39	
4-Bromofluorobenzene (S)	%	107	70-130	06/07/19 08:39	
Dibromofluoromethane (S)	%	107	70-130	06/07/19 08:39	
Toluene-d8 (S)	%	100	70-130	06/07/19 08:39	

LABORATORY CONTROL SAMPLE: 1879441

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	52.2	104	70-130	
Ethylbenzene	ug/L	50	54.7	109	80-124	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	44.9	90	54-137	
o-Xylene	ug/L	50	51.3	103	70-130	
Toluene	ug/L	50	52.0	104	80-126	
4-Bromofluorobenzene (S)	%			109	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1879566 1879567

Parameter	Units	40188949004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	198	500	500	760	727	113	106	70-130	4	20	
Ethylbenzene	ug/L	170	500	500	739	699	114	106	80-125	6	20	
m&p-Xylene	ug/L	535	1000	1000	1690	1570	115	104	70-130	7	20	
Methyl-tert-butyl ether	ug/L	<12.5	500	500	526	497	105	99	51-145	6	20	
o-Xylene	ug/L	190	500	500	744	706	111	103	70-130	5	20	
Toluene	ug/L	71.4	500	500	608	598	107	105	80-131	2	20	
4-Bromofluorobenzene (S)	%						110	106	70-130			

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 HEDLUND DX
Pace Project No.: 40188949

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1879566 1879567

Parameter	Units	40188949004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromofluoromethane (S)	%						103	105	70-130			
Toluene-d8 (S)	%						104	103	70-130			

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 HEDLUND DX
Pace Project No.: 40188949

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 7367 HEDLUND DX
Pace Project No.: 40188949

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40188949001	**MW1**	EPA 8260	323698		
40188949002	**MW2R**	EPA 8260	323698		
40188949003	**MW3R**	EPA 8260	323698		
40188949004	**MW4R**	EPA 8260	323698		
40188949005	**MW5R**	EPA 8260	323698		
40188949006	**MW6**	EPA 8260	323698		
40188949007	**MW7**	EPA 8260	323698		
40188949008	**MW8**	EPA 8260	323698		
40188949009	**MW9**	EPA 8260	323698		
40188949010	**MW10**	EPA 8260	323698		
40188949011	**MW11**	EPA 8260	323698		

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

Pace Analytical
www.pacelabs.com

40188949

CHAIN OF COUSTODY

(Please Print Clearly)

Company Name:	REI
Branch/Location:	
Project Contact:	David Larsen
Phone:	715-675-9780
Project Number:	7367
Project Name:	Hedlund DX
Project State:	WI
Sampled By (Print):	Del Lar
Sampled By (Sign):	David Larsen
PO #:	
Regulatory Program:	RCRA

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

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, 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								
					PRESERVATION (CODE)* Pick Letter	B	J								
					Analyses Requested	PbCl/N	VOC 524.2								
PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX									CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW1	6/4/19	1:00	GW		X									
002	MW2R		1:45			X									
003	MW3R		1:30			X									
004	MW4R		1:15			X									
005	MW5R		2:00			X									
006	MW6		2:15			X									
007	MW7		2:30			X									
008	MW8		2:45			X									
009	MW9		3:00			X									
~~MSD~~ 010	MW10		3:15			X									
011	MW11		3:30			X									
012	BARSHOP POTABLE		3:45	AW			X								

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]	6/5/19 3:00 pm		
Waltco	06/06/19 09:05	[signature] Pace	06/06/19 09:05

PACE Project No. 40188949
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Sample Preservation Receipt Form

Client Name: REI Project # 40188949

All containers needing preservation have been checked and noted below: □Yes □No ☑N/A Initial when completed: MSC Date/ Time:

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																		3															2.5 / 5 / 10
002																		3															2.5 / 5 / 10
003																		3															2.5 / 5 / 10
004																		3															2.5 / 5 / 10
005																		3															2.5 / 5 / 10
006																		3															2.5 / 5 / 10
007																		3															2.5 / 5 / 10
008																		3															2.5 / 5 / 10
009																		3															2.5 / 5 / 10
010																		3															2.5 / 5 / 10
011																		3															2.5 / 5 / 10
012															3			3															2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

MSC 06/04/19

Exceptions to preservation check: (VOA) Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm): □Yes ☑No □N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # **WO# : 40188949**

Client Name: REI

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☑ Waltco
☐ Client ☐ Pace Other: _____

Tracking #: 2077083-1

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

Cooler Temperature Uncorr: ROI /Corr:

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

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

Person examining contents:
Date: 06/06/19
Initials: MSC

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. Mail, Invoice MSC 06/06/19
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	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☐No ☑N/A	8.
Correct Containers Used:	☑Yes ☐No	9. 012 Amber 40mL w/HCL
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	MSC 06/06/19
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. 002 Time 1:15 COC Say 1:45 004 Time 1:45 COC Say 1:15
-Includes date/time/ID/Analysis Matrix: W		MSC 06/06/19
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
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:** 6-6-19

Page 2 of 2

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

NLS Project: 323168
NLS Customer: 94575

Client: **Pace Analytical Services Inc (GB)**
Attn: Brian D Basten
1241 Bellevue Street
Green Bay, WI 54302 2156

Fax: 920 469 8827 Phone: 800 736 2436

Project: **40188949 - 7367 HEDLUND DX**

40188949012 NLS ID: 1126325
Matrix: DW
Collected: 06/04/19 15:45 Received: 06/11/19

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
SDWA Volatile Organics (VOCs) by EPA 524.2	see attached					06/18/19	EPA 524.2, Rev 4.1	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution and/or solids content.

ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable
DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 1000 ug/L = 1 mg/L
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:

Authorized by:
R. T. Krueger
President

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis (Agi5977E)

Customer: Pace Analytical Services Inc (GB) **NLS Project: 323168**

Project Description: 40188949 - 7367 HEDLUND DX

Project Title: **Template: AGIW** **Printed: 06/21/2019 11:04**

Sample: 1126325 40188949012 Collected: 06/04/19 Analyzed: 06/18/19 - Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.23	0.82	5	
Bromobenzene	ND	ug/L	1	0.26	0.91		
Bromochloromethane	ND	ug/L	1	0.34	1.2		
Bromodichloromethane	ND	ug/L	1	0.23	0.81	80	
Bromoform	ND	ug/L	1	0.21	0.74	80	
Bromomethane	ND	ug/L	1	0.37	1.3		
n-Butylbenzene	ND	ug/L	1	0.22	0.76		
sec-Butylbenzene	ND	ug/L	1	0.23	0.83		
tert-Butylbenzene	ND	ug/L	1	0.23	0.80		
Carbon Tetrachloride	ND	ug/L	1	0.22	0.76	5	
Chlorobenzene	ND	ug/L	1	0.24	0.86	100	
Chloroethane	ND	ug/L	1	1.5	5.2		
Chloroform	ND	ug/L	1	0.25	0.90	80	
Chloromethane	ND	ug/L	1	0.23	0.83		
2-Chlorotoluene	ND	ug/L	1	0.23	0.82		
4-Chlorotoluene	ND	ug/L	1	0.20	0.73		
Dibromochloromethane	ND	ug/L	1	0.17	0.61	80	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.20	0.71		
1,2-Dibromoethane	ND	ug/L	1	0.22	0.76		
Dibromomethane	ND	ug/L	1	0.26	0.90		
1,2-Dichlorobenzene	ND	ug/L	1	0.25	0.87	600	
1,3-Dichlorobenzene	ND	ug/L	1	0.25	0.89		
1,4-Dichlorobenzene	ND	ug/L	1	0.28	1.0	75	
Dichlorodifluoromethane	ND	ug/L	1	0.22	0.77		
1,1-Dichloroethane	ND	ug/L	1	0.31	1.1		
1,2-Dichloroethane	ND	ug/L	1	0.25	0.90	5	
1,1-Dichloroethene	ND	ug/L	1	0.25	0.87	7	
cis-1,2-Dichloroethene	ND	ug/L	1	0.30	1.1	70	
trans-1,2-Dichloroethene	ND	ug/L	1	0.47	1.7	100	
1,2-Dichloropropane	ND	ug/L	1	0.23	0.81	5	
1,3-Dichloropropane	ND	ug/L	1	0.25	0.87		
2,2-Dichloropropane	ND	ug/L	1	0.15	0.54		
1,1-Dichloropropene	ND	ug/L	1	0.32	1.1		
cis-1,3-Dichloropropene	ND	ug/L	1	0.18	0.65		
trans-1,3-Dichloropropene	ND	ug/L	1	0.21	0.75		
Ethylbenzene	ND	ug/L	1	0.22	0.79	700	
Hexachlorobutadiene	ND	ug/L	1	0.24	0.83		
Isopropylbenzene	ND	ug/L	1	0.22	0.77		
p-Isopropyltoluene	ND	ug/L	1	0.22	0.78		
Methylene chloride	ND	ug/L	1	0.22	0.79	5	
Naphthalene	ND	ug/L	1	0.23	0.83		
n-Propylbenzene	ND	ug/L	1	0.22	0.78		
Styrene	ND	ug/L	1	0.21	0.73	100	
ortho-Xylene	ND	ug/L	1	0.20	0.70		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.21	0.74		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.20	0.72		
Tetrachloroethene	ND	ug/L	1	0.28	0.99	5	
Toluene	ND	ug/L	1	0.22	0.79	1000	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.24	0.85		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.25	0.90	70	
1,1,1-Trichloroethane	ND	ug/L	1	0.32	1.1	200	
1,1,2-Trichloroethane	ND	ug/L	1	0.27	0.94	5	
Trichloroethene	ND	ug/L	1	0.30	1.1	5	

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis (Agi5977E)
Customer: Pace Analytical Services Inc (GB) **NLS Project: 323168**
Project Description: 40188949 - 7367 HEDLUND DX
Project Title: **Template: AGIW** **Printed: 06/21/2019 11:04**

Sample: 1126325 40188949012 Collected: 06/04/19 Analyzed: 06/18/19 - Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.30	1.1		
1,2,3-Trichloropropane	ND	ug/L	1	0.30	1.0		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.21	0.73		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.22	0.77		
Vinyl chloride	ND	ug/L	1	0.20	0.70	.2	
meta,para-Xylene	ND	ug/L	1	0.48	1.7	10000	
MTBE	ND	ug/L	1	0.29	1.0		
4-Bromofluorobenzene (SURR)	79%		1				S
1,2-Dichlorobenzene-d4 (SURR)	81%		1				S

NOTES APPLICABLE TO THIS ANALYSIS:
S = This compound is a surrogate used to evaluate the quality control of a method.

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

September 26, 2019

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

RE: Project: 7367 FORMER HEDLUND DX
Pace Project No.: 40194676

Dear DAVID LARSEN:
Enclosed are the analytical results for sample(s) received by the laboratory on September 10, 2019. 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 FORMER HEDLUND DX
Pace Project No.: 40194676

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 FORMER HEDLUND DX
Pace Project No.: 40194676

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40194676001	**MW-1**	Water	09/06/19 08:00	09/10/19 09:20
40194676002	**MW-2R**	Water	09/06/19 09:25	09/10/19 09:20
40194676003	**MW-3R**	Water	09/06/19 09:40	09/10/19 09:20
40194676004	**MW-4R**	Water	09/06/19 09:35	09/10/19 09:20
40194676005	**MW-5R**	Water	09/06/19 09:30	09/10/19 09:20
40194676006	**MW-7**	Water	09/06/19 08:45	09/10/19 09:20
40194676007	**MW-8**	Water	09/06/19 09:00	09/10/19 09:20
40194676008	**MW-9**	Water	09/06/19 09:15	09/10/19 09:20
40194676009	**MW-10**	Water	09/06/19 08:15	09/10/19 09:20
40194676010	**MW-11**	Water	09/06/19 08:30	09/10/19 09:20

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SAMPLE ANALYTE COUNT

Project: 7367 FORMER HEDLUND DX
Pace Project No.: 40194676

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40194676001	**MW-1**	EPA 8260	LAP	12	PASI-G
40194676002	**MW-2R**	EPA 8260	LAP	12	PASI-G
40194676003	**MW-3R**	EPA 8260	LAP	12	PASI-G
40194676004	**MW-4R**	EPA 8260	LAP	12	PASI-G
40194676005	**MW-5R**	EPA 8260	LAP	12	PASI-G
40194676006	**MW-7**	EPA 8260	LAP	12	PASI-G
40194676007	**MW-8**	EPA 8260	LAP	12	PASI-G
40194676008	**MW-9**	EPA 8260	LAP	12	PASI-G
40194676009	**MW-10**	EPA 8260	LAP	12	PASI-G
40194676010	**MW-11**	EPA 8260	LAP	12	PASI-G

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ANALYTICAL RESULTS

Project: 7367 FORMER HEDLUND DX
Pace Project No.: 40194676

Sample: MW-1 **Lab ID: 40194676001** Collected: 09/06/19 08:00 Received: 09/10/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		09/11/19 20:31	71-43-2	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		09/11/19 20:31	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		09/11/19 20:31	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		09/11/19 20:31	91-20-3	
Toluene	**<0.17**	ug/L	5.0	0.17	1		09/11/19 20:31	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		09/11/19 20:31	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		09/11/19 20:31	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		09/11/19 20:31	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		09/11/19 20:31	95-47-6	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1		09/11/19 20:31	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		09/11/19 20:31	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		1		09/11/19 20:31	460-00-4	

Sample: MW-2R **Lab ID: 40194676002** Collected: 09/06/19 09:25 Received: 09/10/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**48.1**	ug/L	1.0	0.25	1		09/12/19 07:10	71-43-2	
Ethylbenzene	**25.7**	ug/L	1.0	0.22	1		09/12/19 07:10	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		09/12/19 07:10	1634-04-4	
Naphthalene	**2.4J**	ug/L	5.0	1.2	1		09/12/19 07:10	91-20-3	
Toluene	**2.4J**	ug/L	5.0	0.17	1		09/12/19 07:10	108-88-3	
1,2,4-Trimethylbenzene	**9.6**	ug/L	2.8	0.84	1		09/12/19 07:10	95-63-6	
1,3,5-Trimethylbenzene	**0.99J**	ug/L	2.9	0.87	1		09/12/19 07:10	108-67-8	
m&p-Xylene	**15.4**	ug/L	2.0	0.47	1		09/12/19 07:10	179601-23-1	
o-Xylene	**1.1**	ug/L	1.0	0.26	1		09/12/19 07:10	95-47-6	
Surrogates									
Dibromofluoromethane (S)	82	%	70-130		1		09/12/19 07:10	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		09/12/19 07:10	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		09/12/19 07:10	460-00-4	

Sample: MW-3R **Lab ID: 40194676003** Collected: 09/06/19 09:40 Received: 09/10/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**30.0**	ug/L	1.0	0.25	1		09/12/19 06:48	71-43-2	
Ethylbenzene	**0.99J**	ug/L	1.0	0.22	1		09/12/19 06:48	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		09/12/19 06:48	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		09/12/19 06:48	91-20-3	
Toluene	**0.25J**	ug/L	5.0	0.17	1		09/12/19 06:48	108-88-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7367 FORMER HEDLUND DX
Pace Project No.: 40194676

Sample: MW-3R **Lab ID: 40194676003** Collected: 09/06/19 09:40 Received: 09/10/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
1,2,4-Trimethylbenzene	**1.0J**	ug/L	2.8	0.84	1		09/12/19 06:48	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		09/12/19 06:48	108-67-8	
m&p-Xylene	**1.8J**	ug/L	2.0	0.47	1		09/12/19 06:48	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		09/12/19 06:48	95-47-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		09/12/19 06:48	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		09/12/19 06:48	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		09/12/19 06:48	460-00-4	

Sample: MW-4R **Lab ID: 40194676004** Collected: 09/06/19 09:35 Received: 09/10/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**267**	ug/L	5.0	1.2	5		09/11/19 22:01	71-43-2	
Ethylbenzene	**93.1**	ug/L	5.0	1.1	5		09/11/19 22:01	100-41-4	
Methyl-tert-butyl ether	**<6.2**	ug/L	20.8	6.2	5		09/11/19 22:01	1634-04-4	
Naphthalene	**147**	ug/L	25.0	5.9	5		09/11/19 22:01	91-20-3	
Toluene	**35.8**	ug/L	25.0	0.86	5		09/11/19 22:01	108-88-3	
1,2,4-Trimethylbenzene	**378**	ug/L	14.0	4.2	5		09/11/19 22:01	95-63-6	
1,3,5-Trimethylbenzene	**209**	ug/L	14.6	4.4	5		09/11/19 22:01	108-67-8	
m&p-Xylene	**242**	ug/L	10.0	2.3	5		09/11/19 22:01	179601-23-1	
o-Xylene	**154**	ug/L	5.0	1.3	5		09/11/19 22:01	95-47-6	
Surrogates									
Dibromofluoromethane (S)	93	%	70-130		5		09/11/19 22:01	1868-53-7	
Toluene-d8 (S)	95	%	70-130		5		09/11/19 22:01	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		5		09/11/19 22:01	460-00-4	

Sample: MW-5R **Lab ID: 40194676005** Collected: 09/06/19 09:30 Received: 09/10/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**40.0**	ug/L	1.0	0.25	1		09/11/19 20:54	71-43-2	
Ethylbenzene	**227**	ug/L	1.0	0.22	1		09/11/19 20:54	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		09/11/19 20:54	1634-04-4	
Naphthalene	**81.3**	ug/L	5.0	1.2	1		09/11/19 20:54	91-20-3	
Toluene	**12.8**	ug/L	5.0	0.17	1		09/11/19 20:54	108-88-3	
1,2,4-Trimethylbenzene	**453**	ug/L	14.0	4.2	5		09/12/19 07:55	95-63-6	
1,3,5-Trimethylbenzene	**115**	ug/L	2.9	0.87	1		09/11/19 20:54	108-67-8	
m&p-Xylene	**417**	ug/L	2.0	0.47	1		09/11/19 20:54	179601-23-1	
o-Xylene	**29.2**	ug/L	1.0	0.26	1		09/11/19 20:54	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7367 FORMER HEDLUND DX
Pace Project No.: 40194676

Sample: MW-5R **Lab ID: 40194676005** Collected: 09/06/19 09:30 Received: 09/10/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Surrogates									
Dibromofluoromethane (S)	93	%	70-130		1		09/11/19 20:54	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/11/19 20:54	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-130		1		09/11/19 20:54	460-00-4	

Sample: MW-7 **Lab ID: 40194676006** Collected: 09/06/19 08:45 Received: 09/10/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		09/11/19 19:01	71-43-2	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		09/11/19 19:01	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		09/11/19 19:01	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		09/11/19 19:01	91-20-3	
Toluene	**<0.17**	ug/L	5.0	0.17	1		09/11/19 19:01	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		09/11/19 19:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		09/11/19 19:01	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		09/11/19 19:01	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		09/11/19 19:01	95-47-6	
Surrogates									
Dibromofluoromethane (S)	91	%	70-130		1		09/11/19 19:01	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		09/11/19 19:01	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		09/11/19 19:01	460-00-4	

Sample: MW-8 **Lab ID: 40194676007** Collected: 09/06/19 09:00 Received: 09/10/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		09/11/19 19:24	71-43-2	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		09/11/19 19:24	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		09/11/19 19:24	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		09/11/19 19:24	91-20-3	
Toluene	**<0.17**	ug/L	5.0	0.17	1		09/11/19 19:24	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		09/11/19 19:24	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		09/11/19 19:24	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		09/11/19 19:24	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		09/11/19 19:24	95-47-6	
Surrogates									
Dibromofluoromethane (S)	93	%	70-130		1		09/11/19 19:24	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		09/11/19 19:24	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130		1		09/11/19 19:24	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7367 FORMER HEDLUND DX
Pace Project No.: 40194676

Sample: MW-9 **Lab ID: 40194676008** Collected: 09/06/19 09:15 Received: 09/10/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		09/11/19 18:40	71-43-2	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		09/11/19 18:40	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		09/11/19 18:40	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		09/11/19 18:40	91-20-3	
Toluene	**<0.17**	ug/L	5.0	0.17	1		09/11/19 18:40	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		09/11/19 18:40	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		09/11/19 18:40	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		09/11/19 18:40	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		09/11/19 18:40	95-47-6	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1		09/11/19 18:40	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		09/11/19 18:40	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		09/11/19 18:40	460-00-4	

Sample: MW-10 **Lab ID: 40194676009** Collected: 09/06/19 08:15 Received: 09/10/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		09/11/19 19:03	71-43-2	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		09/11/19 19:03	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		09/11/19 19:03	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		09/11/19 19:03	91-20-3	
Toluene	**<0.17**	ug/L	5.0	0.17	1		09/11/19 19:03	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		09/11/19 19:03	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		09/11/19 19:03	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		09/11/19 19:03	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		09/11/19 19:03	95-47-6	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1		09/11/19 19:03	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		09/11/19 19:03	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		09/11/19 19:03	460-00-4	

Sample: MW-11 **Lab ID: 40194676010** Collected: 09/06/19 08:30 Received: 09/10/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		09/11/19 19:27	71-43-2	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		09/11/19 19:27	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		09/11/19 19:27	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		09/11/19 19:27	91-20-3	
Toluene	**<0.17**	ug/L	5.0	0.17	1		09/11/19 19:27	108-88-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7367 FORMER HEDLUND DX
Pace Project No.: 40194676

Sample: MW-11 **Lab ID: 40194676010** Collected: 09/06/19 08:30 Received: 09/10/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260								
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		09/11/19 19:27	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		09/11/19 19:27	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		09/11/19 19:27	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		09/11/19 19:27	95-47-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1		09/11/19 19:27	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		09/11/19 19:27	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		1		09/11/19 19:27	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 7367 FORMER HEDLUND DX
Pace Project No.: 40194676

QC Batch: 333459 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 40194676001, 40194676002, 40194676003, 40194676004, 40194676005, 40194676006, 40194676007

METHOD BLANK: 1935796 Matrix: Water
Associated Lab Samples: 40194676001, 40194676002, 40194676003, 40194676004, 40194676005, 40194676006, 40194676007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	09/11/19 14:10	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	09/11/19 14:10	
Benzene	ug/L	<0.25	1.0	09/11/19 14:10	
Ethylbenzene	ug/L	<0.22	1.0	09/11/19 14:10	
m&p-Xylene	ug/L	<0.47	2.0	09/11/19 14:10	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	09/11/19 14:10	
Naphthalene	ug/L	<1.2	5.0	09/11/19 14:10	
o-Xylene	ug/L	<0.26	1.0	09/11/19 14:10	
Toluene	ug/L	<0.17	5.0	09/11/19 14:10	
4-Bromofluorobenzene (S)	%	86	70-130	09/11/19 14:10	
Dibromofluoromethane (S)	%	99	70-130	09/11/19 14:10	
Toluene-d8 (S)	%	93	70-130	09/11/19 14:10	

LABORATORY CONTROL SAMPLE: 1935797

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	44.1	88	70-130	
Ethylbenzene	ug/L	50	53.2	106	80-124	
m&p-Xylene	ug/L	100	114	114	70-130	
Methyl-tert-butyl ether	ug/L	50	41.9	84	54-137	
o-Xylene	ug/L	50	56.3	113	70-130	
Toluene	ug/L	50	48.1	96	80-126	
4-Bromofluorobenzene (S)	%			108	70-130	
Dibromofluoromethane (S)	%			92	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1935798 1935799

Parameter	Units	40194672009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	50	50	43.2	40.4	86	81	70-130	7	20	
Ethylbenzene	ug/L	<0.22	50	50	53.2	53.3	106	107	80-125	0	20	
m&p-Xylene	ug/L	<0.47	100	100	113	111	113	111	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	43.4	40.1	87	80	51-145	8	20	
o-Xylene	ug/L	<0.26	50	50	54.8	55.4	110	111	70-130	1	20	
Toluene	ug/L	<0.17	50	50	50.7	49.5	101	99	80-131	2	20	
4-Bromofluorobenzene (S)	%						100	105	70-130			
Dibromofluoromethane (S)	%						94	90	70-130			HS

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 7367 FORMER HEDLUND DX
Pace Project No.: 40194676

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1935798 1935799

Parameter	Units	40194672009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%						99	95	70-130			

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 FORMER HEDLUND DX
Pace Project No.: 40194676

QC Batch: 333460 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 40194676008, 40194676009, 40194676010

METHOD BLANK: 1935800 Matrix: Water
Associated Lab Samples: 40194676008, 40194676009, 40194676010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	09/11/19 09:11	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	09/11/19 09:11	
Benzene	ug/L	<0.25	1.0	09/11/19 09:11	
Ethylbenzene	ug/L	<0.22	1.0	09/11/19 09:11	
m&p-Xylene	ug/L	<0.47	2.0	09/11/19 09:11	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	09/11/19 09:11	
Naphthalene	ug/L	<1.2	5.0	09/11/19 09:11	
o-Xylene	ug/L	<0.26	1.0	09/11/19 09:11	
Toluene	ug/L	<0.17	5.0	09/11/19 09:11	
4-Bromofluorobenzene (S)	%	93	70-130	09/11/19 09:11	
Dibromofluoromethane (S)	%	100	70-130	09/11/19 09:11	
Toluene-d8 (S)	%	93	70-130	09/11/19 09:11	

LABORATORY CONTROL SAMPLE: 1935801

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	50.6	101	70-130	
Ethylbenzene	ug/L	50	55.3	111	80-124	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	51.7	103	54-137	
o-Xylene	ug/L	50	54.1	108	70-130	
Toluene	ug/L	50	54.0	108	80-126	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			94	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1936030 1936031

Parameter	Units	40194677011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	50	50	50.1	48.4	100	97	70-130	4	20	
Ethylbenzene	ug/L	<0.22	50	50	55.8	53.3	112	107	80-125	5	20	
m&p-Xylene	ug/L	<0.47	100	100	109	105	109	105	70-130	4	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	53.2	52.1	106	104	51-145	2	20	
o-Xylene	ug/L	<0.26	50	50	54.3	52.5	109	105	70-130	3	20	
Toluene	ug/L	<0.17	50	50	54.1	52.6	108	105	80-131	3	20	
4-Bromofluorobenzene (S)	%						100	94	70-130			
Dibromofluoromethane (S)	%						97	94	70-130			

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 FORMER HEDLUND DX
Pace Project No.: 40194676

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1936030 1936031

Parameter	Units	40194677011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%						97	96	70-130			

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 FORMER HEDLUND DX
Pace Project No.: 40194676

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 7367 FORMER HEDLUND DX
Pace Project No.: 40194676

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40194676001	**MW-1**	EPA 8260	333459		
40194676002	**MW-2R**	EPA 8260	333459		
40194676003	**MW-3R**	EPA 8260	333459		
40194676004	**MW-4R**	EPA 8260	333459		
40194676005	**MW-5R**	EPA 8260	333459		
40194676006	**MW-7**	EPA 8260	333459		
40194676007	**MW-8**	EPA 8260	333459		
40194676008	**MW-9**	EPA 8260	333460		
40194676009	**MW-10**	EPA 8260	333460		
40194676010	**MW-11**	EPA 8260	333460		

(Please Print Clearly)	
Company Name:	REI
Branch/Location:	Wausau
Project Contact:	Dave Larsen
Phone:	715-675-9784
Project Number:	7367
Project Name:	Former Hedlund DX
Project State:	WI
Sampled By (Print):	Dave Larsen
Sampled By (Sign):	
PO #:	
Regulatory Program:	

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

Page 1 of 1

CHAIN OF CUSTODY

4019467G

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

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

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

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

Matrix Codes

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC + Naphthalene	Analyses Requested: VOC (524.2)	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	B					
001	MW-1	9/6/19	8:00	GW			X				
002	MW-2R		9:25				X			MH	
003	MW-3R		9:40				X				
004	MW-4R		9:35				X				
005	MW-5R		9:30				X				
006	MW-7		8:45				X				
007	MW-8		9:00				X				
008	MW-9		9:15				X				
009	MW-10		8:15				X				
010	MW-11		8:30				X				
011	Bait Shop Potable		8:25	DW				X			
012	Bob's Service		9:01	DW				X			

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:
	9/9/19 3:06pm		
Relinquished By: Waltco	Date/Time: 9/10/19 0920	Received By: John T. Brunette pace	Date/Time: 9/10/19 1020
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.

Receipt Temp = R01 °C

Sample Receipt pH OK / Adjusted

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

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Sample Preservation Receipt Form

Client Name: REI Project # 4019467b

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A Initial when completed: Date/ Time:

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *						
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN		H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																		3															2.5 / 5 / 10
002																		3									1						2.5 / 5 / 10
003																		3															2.5 / 5 / 10
004																		3															2.5 / 5 / 10
005																		3															2.5 / 5 / 10
006																		3															2.5 / 5 / 10
007																		3															2.5 / 5 / 10
008																		3															2.5 / 5 / 10
009																		3															2.5 / 5 / 10
010																		3															2.5 / 5 / 10
011															3																		2.5 / 5 / 10
012															3																		2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																							JTB		9/10/19								2.5 / 5 / 10

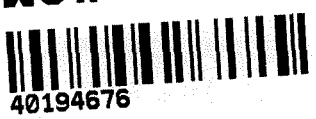
Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☒Yes □No □N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40194676



Client Name: REI

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☒ Waltco ☐ Client ☐ Pace Other: _____

Tracking #: 2169977-1

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

Cooler Temperature Uncorr: R01 /Corr: _____

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

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

Person examining contents:
Date: 9/10/19
Initials: JTB

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	5.
- VOA Samples frozen upon receipt	☐Yes ☒No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume:		8.
For Analysis: ☒Yes ☐No MS/MSD:	☐Yes ☒No ☐N/A	
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	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: W		
Trip Blank Present:	☐Yes ☐No ☒N/A	13.
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:** 9-10-19

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

October 07, 2019

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

RE: Project: 7367 HEDLUND DX
Pace Project No.: 40196242

Dear DAVID LARSEN:
Enclosed are the analytical results for sample(s) received by the laboratory on October 01, 2019. 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,

Steven Mleczko for
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 HEDLUND DX
Pace Project No.: 40196242

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
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
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
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 Primary 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
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

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

SAMPLE SUMMARY

Project: 7367 HEDLUND DX
Pace Project No.: 40196242

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40196242001	**BAITSHOP**	Water	09/26/19 09:20	10/01/19 09:05
40196242002	**BOB'S SERVICE**	Water	09/26/19 09:20	10/01/19 09:05

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

SAMPLE ANALYTE COUNT

Project: 7367 HEDLUND DX
Pace Project No.: 40196242

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40196242001	**BAITSHOP**	EPA 524.2	DS2	62	PASI-M
40196242002	**BOB'S SERVICE**	EPA 524.2	DS2	62	PASI-M

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ANALYTICAL RESULTS

Project: 7367 HEDLUND DX
Pace Project No.: 40196242

Sample: BAITSHOP **Lab ID: 40196242001** Collected: 09/26/19 09:20 Received: 10/01/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2								
Benzene	**<0.12**	ug/L	0.41	0.12	1		10/04/19 12:00	71-43-2	
Bromobenzene	**<0.23**	ug/L	0.76	0.23	1		10/04/19 12:00	108-86-1	
Bromochloromethane	**<0.30**	ug/L	0.99	0.30	1		10/04/19 12:00	74-97-5	
Bromodichloromethane	**<0.15**	ug/L	0.50	0.15	1		10/04/19 12:00	75-27-4	
Bromoform	**<0.45**	ug/L	1.5	0.45	1		10/04/19 12:00	75-25-2	
Bromomethane	**<0.62**	ug/L	2.1	0.62	1		10/04/19 12:00	74-83-9	
n-Butylbenzene	**<0.14**	ug/L	0.47	0.14	1		10/04/19 12:00	104-51-8	
sec-Butylbenzene	**<0.20**	ug/L	0.68	0.20	1		10/04/19 12:00	135-98-8	
tert-Butylbenzene	**<0.14**	ug/L	0.46	0.14	1		10/04/19 12:00	98-06-6	
Carbon tetrachloride	**<0.20**	ug/L	0.67	0.20	1		10/04/19 12:00	56-23-5	
Chlorobenzene	**<0.12**	ug/L	0.40	0.12	1		10/04/19 12:00	108-90-7	
Chloroethane	**<0.14**	ug/L	0.47	0.14	1		10/04/19 12:00	75-00-3	
Chloroform	**<0.31**	ug/L	1.0	0.31	1		10/04/19 12:00	67-66-3	
Chloromethane	**<0.15**	ug/L	0.51	0.15	1		10/04/19 12:00	74-87-3	
2-Chlorotoluene	**<0.086**	ug/L	0.29	0.086	1		10/04/19 12:00	95-49-8	
4-Chlorotoluene	**<0.093**	ug/L	0.31	0.093	1		10/04/19 12:00	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	6.5	2.0	1		10/04/19 12:00	96-12-8	N2
Dibromochloromethane	**<0.24**	ug/L	0.81	0.24	1		10/04/19 12:00	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	0.57	0.17	1		10/04/19 12:00	106-93-4	N2
Dibromomethane	**<0.23**	ug/L	0.76	0.23	1		10/04/19 12:00	74-95-3	
1,2-Dichlorobenzene	**<0.18**	ug/L	0.58	0.18	1		10/04/19 12:00	95-50-1	
1,3-Dichlorobenzene	**<0.14**	ug/L	0.46	0.14	1		10/04/19 12:00	541-73-1	
1,4-Dichlorobenzene	**<0.086**	ug/L	0.29	0.086	1		10/04/19 12:00	106-46-7	
Dichlorodifluoromethane	**<0.26**	ug/L	0.87	0.26	1		10/04/19 12:00	75-71-8	
1,1-Dichloroethane	**<0.16**	ug/L	0.55	0.16	1		10/04/19 12:00	75-34-3	
1,2-Dichloroethane	**<0.13**	ug/L	0.45	0.13	1		10/04/19 12:00	107-06-2	
1,1-Dichloroethene	**<0.19**	ug/L	0.62	0.19	1		10/04/19 12:00	75-35-4	
cis-1,2-Dichloroethene	**<0.14**	ug/L	0.46	0.14	1		10/04/19 12:00	156-59-2	
trans-1,2-Dichloroethene	**<0.18**	ug/L	0.59	0.18	1		10/04/19 12:00	156-60-5	
1,2-Dichloropropane	**<0.19**	ug/L	0.64	0.19	1		10/04/19 12:00	78-87-5	
1,3-Dichloropropane	**<0.11**	ug/L	0.35	0.11	1		10/04/19 12:00	142-28-9	N2
2,2-Dichloropropane	**<0.16**	ug/L	0.53	0.16	1		10/04/19 12:00	594-20-7	
1,1-Dichloropropene	**<0.10**	ug/L	0.35	0.10	1		10/04/19 12:00	563-58-6	
cis-1,3-Dichloropropene	**<0.21**	ug/L	0.69	0.21	1		10/04/19 12:00	10061-01-5	
trans-1,3-Dichloropropene	**<0.24**	ug/L	0.81	0.24	1		10/04/19 12:00	10061-02-6	
Ethylbenzene	**<0.11**	ug/L	0.36	0.11	1		10/04/19 12:00	100-41-4	
Hexachloro-1,3-butadiene	**<0.28**	ug/L	0.92	0.28	1		10/04/19 12:00	87-68-3	
Isopropylbenzene (Cumene)	**<0.17**	ug/L	0.57	0.17	1		10/04/19 12:00	98-82-8	
p-Isopropyltoluene	**<0.21**	ug/L	0.71	0.21	1		10/04/19 12:00	99-87-6	N2
Methylene Chloride	**<0.44**	ug/L	1.5	0.44	1		10/04/19 12:00	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	0.56	0.17	1		10/04/19 12:00	1634-04-4	
Naphthalene	**<0.18**	ug/L	0.60	0.18	1		10/04/19 12:00	91-20-3	
n-Propylbenzene	**<0.13**	ug/L	0.44	0.13	1		10/04/19 12:00	103-65-1	
Styrene	**<0.18**	ug/L	0.59	0.18	1		10/04/19 12:00	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.12**	ug/L	0.39	0.12	1		10/04/19 12:00	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	0.56	0.17	1		10/04/19 12:00	79-34-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 7367 HEDLUND DX
Pace Project No.: 40196242

Sample: BAITSHOP **Lab ID: 40196242001** Collected: 09/26/19 09:20 Received: 10/01/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2								
Tetrachloroethene	**<0.17**	ug/L	0.56	0.17	1		10/04/19 12:00	127-18-4	
Toluene	**<0.078**	ug/L	0.26	0.078	1		10/04/19 12:00	108-88-3	
1,2,3-Trichlorobenzene	**<0.25**	ug/L	0.83	0.25	1		10/04/19 12:00	87-61-6	
1,2,4-Trichlorobenzene	**<0.19**	ug/L	0.64	0.19	1		10/04/19 12:00	120-82-1	
1,1,1-Trichloroethane	**<0.19**	ug/L	0.62	0.19	1		10/04/19 12:00	71-55-6	
1,1,2-Trichloroethane	**<0.19**	ug/L	0.62	0.19	1		10/04/19 12:00	79-00-5	
Trichloroethene	**<0.12**	ug/L	0.39	0.12	1		10/04/19 12:00	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	0.70	0.21	1		10/04/19 12:00	75-69-4	
1,2,3-Trichloropropane	**<0.39**	ug/L	1.3	0.39	1		10/04/19 12:00	96-18-4	
1,2,4-Trimethylbenzene	**<0.23**	ug/L	0.76	0.23	1		10/04/19 12:00	95-63-6	
1,3,5-Trimethylbenzene	**<0.15**	ug/L	0.49	0.15	1		10/04/19 12:00	108-67-8	N2
Vinyl chloride	**<0.086**	ug/L	0.29	0.086	1		10/04/19 12:00	75-01-4	
Xylene (Total)	**<0.30**	ug/L	1.0	0.30	1		10/04/19 12:00	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	75-125		1		10/04/19 12:00	460-00-4	
Toluene-d8 (S)	102	%.	75-125		1		10/04/19 12:00	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%.	75-125		1		10/04/19 12:00	17060-07-0	

Sample: BOB'S SERVICE **Lab ID: 40196242002** Collected: 09/26/19 09:20 Received: 10/01/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2								
Benzene	**<0.12**	ug/L	0.41	0.12	1		10/04/19 12:23	71-43-2	
Bromobenzene	**<0.23**	ug/L	0.76	0.23	1		10/04/19 12:23	108-86-1	
Bromochloromethane	**<0.30**	ug/L	0.99	0.30	1		10/04/19 12:23	74-97-5	
Bromodichloromethane	**<0.15**	ug/L	0.50	0.15	1		10/04/19 12:23	75-27-4	
Bromoform	**<0.45**	ug/L	1.5	0.45	1		10/04/19 12:23	75-25-2	
Bromomethane	**<0.62**	ug/L	2.1	0.62	1		10/04/19 12:23	74-83-9	
n-Butylbenzene	**<0.14**	ug/L	0.47	0.14	1		10/04/19 12:23	104-51-8	
sec-Butylbenzene	**<0.20**	ug/L	0.68	0.20	1		10/04/19 12:23	135-98-8	
tert-Butylbenzene	**<0.14**	ug/L	0.46	0.14	1		10/04/19 12:23	98-06-6	
Carbon tetrachloride	**<0.20**	ug/L	0.67	0.20	1		10/04/19 12:23	56-23-5	
Chlorobenzene	**<0.12**	ug/L	0.40	0.12	1		10/04/19 12:23	108-90-7	
Chloroethane	**<0.14**	ug/L	0.47	0.14	1		10/04/19 12:23	75-00-3	
Chloroform	**<0.31**	ug/L	1.0	0.31	1		10/04/19 12:23	67-66-3	
Chloromethane	**<0.15**	ug/L	0.51	0.15	1		10/04/19 12:23	74-87-3	
2-Chlorotoluene	**<0.086**	ug/L	0.29	0.086	1		10/04/19 12:23	95-49-8	
4-Chlorotoluene	**<0.093**	ug/L	0.31	0.093	1		10/04/19 12:23	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	6.5	2.0	1		10/04/19 12:23	96-12-8	N2
Dibromochloromethane	**<0.24**	ug/L	0.81	0.24	1		10/04/19 12:23	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	0.57	0.17	1		10/04/19 12:23	106-93-4	N2
Dibromomethane	**<0.23**	ug/L	0.76	0.23	1		10/04/19 12:23	74-95-3	
1,2-Dichlorobenzene	**<0.18**	ug/L	0.58	0.18	1		10/04/19 12:23	95-50-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 7367 HEDLUND DX
Pace Project No.: 40196242

Sample: BOB'S SERVICE **Lab ID: 40196242002** Collected: 09/26/19 09:20 Received: 10/01/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2								
1,3-Dichlorobenzene	**<0.14**	ug/L	0.46	0.14	1		10/04/19 12:23	541-73-1	
1,4-Dichlorobenzene	**<0.086**	ug/L	0.29	0.086	1		10/04/19 12:23	106-46-7	
Dichlorodifluoromethane	**<0.26**	ug/L	0.87	0.26	1		10/04/19 12:23	75-71-8	
1,1-Dichloroethane	**<0.16**	ug/L	0.55	0.16	1		10/04/19 12:23	75-34-3	
1,2-Dichloroethane	**<0.13**	ug/L	0.45	0.13	1		10/04/19 12:23	107-06-2	
1,1-Dichloroethene	**<0.19**	ug/L	0.62	0.19	1		10/04/19 12:23	75-35-4	
cis-1,2-Dichloroethene	**<0.14**	ug/L	0.46	0.14	1		10/04/19 12:23	156-59-2	
trans-1,2-Dichloroethene	**<0.18**	ug/L	0.59	0.18	1		10/04/19 12:23	156-60-5	
1,2-Dichloropropane	**<0.19**	ug/L	0.64	0.19	1		10/04/19 12:23	78-87-5	
1,3-Dichloropropane	**<0.11**	ug/L	0.35	0.11	1		10/04/19 12:23	142-28-9	N2
2,2-Dichloropropane	**<0.16**	ug/L	0.53	0.16	1		10/04/19 12:23	594-20-7	
1,1-Dichloropropene	**<0.10**	ug/L	0.35	0.10	1		10/04/19 12:23	563-58-6	
cis-1,3-Dichloropropene	**<0.21**	ug/L	0.69	0.21	1		10/04/19 12:23	10061-01-5	
trans-1,3-Dichloropropene	**<0.24**	ug/L	0.81	0.24	1		10/04/19 12:23	10061-02-6	
Ethylbenzene	**<0.11**	ug/L	0.36	0.11	1		10/04/19 12:23	100-41-4	
Hexachloro-1,3-butadiene	**<0.28**	ug/L	0.92	0.28	1		10/04/19 12:23	87-68-3	
Isopropylbenzene (Cumene)	**<0.17**	ug/L	0.57	0.17	1		10/04/19 12:23	98-82-8	
p-Isopropyltoluene	**<0.21**	ug/L	0.71	0.21	1		10/04/19 12:23	99-87-6	N2
Methylene Chloride	**<0.44**	ug/L	1.5	0.44	1		10/04/19 12:23	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	0.56	0.17	1		10/04/19 12:23	1634-04-4	
Naphthalene	**<0.18**	ug/L	0.60	0.18	1		10/04/19 12:23	91-20-3	
n-Propylbenzene	**<0.13**	ug/L	0.44	0.13	1		10/04/19 12:23	103-65-1	
Styrene	**<0.18**	ug/L	0.59	0.18	1		10/04/19 12:23	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.12**	ug/L	0.39	0.12	1		10/04/19 12:23	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.17**	ug/L	0.56	0.17	1		10/04/19 12:23	79-34-5	
Tetrachloroethene	**<0.17**	ug/L	0.56	0.17	1		10/04/19 12:23	127-18-4	
Toluene	**<0.078**	ug/L	0.26	0.078	1		10/04/19 12:23	108-88-3	
1,2,3-Trichlorobenzene	**<0.25**	ug/L	0.83	0.25	1		10/04/19 12:23	87-61-6	
1,2,4-Trichlorobenzene	**<0.19**	ug/L	0.64	0.19	1		10/04/19 12:23	120-82-1	
1,1,1-Trichloroethane	**<0.19**	ug/L	0.62	0.19	1		10/04/19 12:23	71-55-6	
1,1,2-Trichloroethane	**<0.19**	ug/L	0.62	0.19	1		10/04/19 12:23	79-00-5	
Trichloroethene	**<0.12**	ug/L	0.39	0.12	1		10/04/19 12:23	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	0.70	0.21	1		10/04/19 12:23	75-69-4	
1,2,3-Trichloropropane	**<0.39**	ug/L	1.3	0.39	1		10/04/19 12:23	96-18-4	
1,2,4-Trimethylbenzene	**<0.23**	ug/L	0.76	0.23	1		10/04/19 12:23	95-63-6	
1,3,5-Trimethylbenzene	**<0.15**	ug/L	0.49	0.15	1		10/04/19 12:23	108-67-8	N2
Vinyl chloride	**2.0**	ug/L	0.29	0.086	1		10/04/19 12:23	75-01-4	
Xylene (Total)	**<0.30**	ug/L	1.0	0.30	1		10/04/19 12:23	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%.	75-125		1		10/04/19 12:23	460-00-4	
Toluene-d8 (S)	100	%.	75-125		1		10/04/19 12:23	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%.	75-125		1		10/04/19 12:23	17060-07-0	

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 HEDLUND DX
Pace Project No.: 40196242

QC Batch: 636322 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 40196242001, 40196242002

METHOD BLANK: 3429379 Matrix: Water
Associated Lab Samples: 40196242001, 40196242002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.12	0.39	10/04/19 10:48	MN
1,1,1-Trichloroethane	ug/L	<0.19	0.62	10/04/19 10:48	
1,1,2,2-Tetrachloroethane	ug/L	<0.17	0.56	10/04/19 10:48	MN
1,1,2-Trichloroethane	ug/L	<0.19	0.62	10/04/19 10:48	MN
1,1-Dichloroethane	ug/L	<0.16	0.55	10/04/19 10:48	
1,1-Dichloroethene	ug/L	<0.19	0.62	10/04/19 10:48	MN
1,1-Dichloropropene	ug/L	<0.10	0.35	10/04/19 10:48	
1,2,3-Trichlorobenzene	ug/L	<0.25	0.83	10/04/19 10:48	
1,2,3-Trichloropropane	ug/L	<0.39	1.3	10/04/19 10:48	
1,2,4-Trichlorobenzene	ug/L	<0.19	0.64	10/04/19 10:48	
1,2,4-Trimethylbenzene	ug/L	<0.23	0.76	10/04/19 10:48	
1,2-Dibromo-3-chloropropane	ug/L	<2.0	6.5	10/04/19 10:48	MN,N2
1,2-Dibromoethane (EDB)	ug/L	<0.17	0.57	10/04/19 10:48	MN,N2
1,2-Dichlorobenzene	ug/L	<0.18	0.58	10/04/19 10:48	
1,2-Dichloroethane	ug/L	<0.13	0.45	10/04/19 10:48	
1,2-Dichloropropane	ug/L	<0.19	0.64	10/04/19 10:48	
1,3,5-Trimethylbenzene	ug/L	<0.15	0.49	10/04/19 10:48	N2
1,3-Dichlorobenzene	ug/L	<0.14	0.46	10/04/19 10:48	
1,3-Dichloropropane	ug/L	<0.11	0.35	10/04/19 10:48	N2
1,4-Dichlorobenzene	ug/L	<0.086	0.29	10/04/19 10:48	
2,2-Dichloropropane	ug/L	<0.16	0.53	10/04/19 10:48	
2-Chlorotoluene	ug/L	<0.086	0.29	10/04/19 10:48	
4-Chlorotoluene	ug/L	<0.093	0.31	10/04/19 10:48	
Benzene	ug/L	<0.12	0.41	10/04/19 10:48	
Bromobenzene	ug/L	<0.23	0.76	10/04/19 10:48	
Bromochloromethane	ug/L	<0.30	0.99	10/04/19 10:48	
Bromodichloromethane	ug/L	<0.15	0.50	10/04/19 10:48	MN
Bromoform	ug/L	<0.45	1.5	10/04/19 10:48	
Bromomethane	ug/L	<0.62	2.1	10/04/19 10:48	
Carbon tetrachloride	ug/L	<0.20	0.67	10/04/19 10:48	
Chlorobenzene	ug/L	<0.12	0.40	10/04/19 10:48	
Chloroethane	ug/L	<0.14	0.47	10/04/19 10:48	MN
Chloroform	ug/L	<0.31	1.0	10/04/19 10:48	MN
Chloromethane	ug/L	<0.15	0.51	10/04/19 10:48	
cis-1,2-Dichloroethene	ug/L	<0.14	0.46	10/04/19 10:48	MN
cis-1,3-Dichloropropene	ug/L	<0.21	0.69	10/04/19 10:48	MN
Dibromochloromethane	ug/L	<0.24	0.81	10/04/19 10:48	MN
Dibromomethane	ug/L	<0.23	0.76	10/04/19 10:48	
Dichlorodifluoromethane	ug/L	<0.26	0.87	10/04/19 10:48	
Ethylbenzene	ug/L	<0.11	0.36	10/04/19 10:48	
Hexachloro-1,3-butadiene	ug/L	<0.28	0.92	10/04/19 10:48	

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 HEDLUND DX
Pace Project No.: 40196242

METHOD BLANK: 3429379 Matrix: Water
Associated Lab Samples: 40196242001, 40196242002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	ug/L	<0.17	0.57	10/04/19 10:48	
Methyl-tert-butyl ether	ug/L	<0.17	0.56	10/04/19 10:48	
Methylene Chloride	ug/L	<0.44	1.5	10/04/19 10:48	
n-Butylbenzene	ug/L	<0.14	0.47	10/04/19 10:48	
n-Propylbenzene	ug/L	<0.13	0.44	10/04/19 10:48	
Naphthalene	ug/L	<0.18	0.60	10/04/19 10:48	
p-Isopropyltoluene	ug/L	<0.21	0.71	10/04/19 10:48	N2
sec-Butylbenzene	ug/L	<0.20	0.68	10/04/19 10:48	
Styrene	ug/L	<0.18	0.59	10/04/19 10:48	
tert-Butylbenzene	ug/L	<0.14	0.46	10/04/19 10:48	
Tetrachloroethene	ug/L	<0.17	0.56	10/04/19 10:48	
Toluene	ug/L	<0.078	0.26	10/04/19 10:48	
trans-1,2-Dichloroethene	ug/L	<0.18	0.59	10/04/19 10:48	
trans-1,3-Dichloropropene	ug/L	<0.24	0.81	10/04/19 10:48	MN
Trichloroethene	ug/L	<0.12	0.39	10/04/19 10:48	
Trichlorofluoromethane	ug/L	<0.21	0.70	10/04/19 10:48	
Vinyl chloride	ug/L	<0.086	0.29	10/04/19 10:48	
Xylene (Total)	ug/L	<0.30	1.0	10/04/19 10:48	
1,2-Dichloroethane-d4 (S)	%.	99	75-125	10/04/19 10:48	
4-Bromofluorobenzene (S)	%.	102	75-125	10/04/19 10:48	
Toluene-d8 (S)	%.	104	75-125	10/04/19 10:48	

LABORATORY CONTROL SAMPLE: 3429380

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.9	94	70-130	
1,1,1-Trichloroethane	ug/L	20	20.8	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.9	90	70-130	
1,1,2-Trichloroethane	ug/L	20	20.2	101	70-130	
1,1-Dichloroethane	ug/L	20	19.2	96	70-130	
1,1-Dichloroethene	ug/L	20	19.1	95	70-130	
1,1-Dichloropropene	ug/L	20	20.3	101	70-130	
1,2,3-Trichlorobenzene	ug/L	20	18.3	91	70-130	
1,2,3-Trichloropropane	ug/L	20	19.1	95	70-130	
1,2,4-Trichlorobenzene	ug/L	20	17.7	88	70-130	
1,2,4-Trimethylbenzene	ug/L	20	21.6	108	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.1	84	70-130	N2
1,2-Dibromoethane (EDB)	ug/L	20	19.0	95	70-130	N2
1,2-Dichlorobenzene	ug/L	20	18.7	94	70-130	
1,2-Dichloroethane	ug/L	20	18.4	92	70-130	
1,2-Dichloropropane	ug/L	20	17.2	86	70-130	
1,3,5-Trimethylbenzene	ug/L	20	19.3	97	70-130	N2
1,3-Dichlorobenzene	ug/L	20	19.3	97	70-130	
1,3-Dichloropropane	ug/L	20	20.1	100	70-130	N2

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 HEDLUND DX
Pace Project No.: 40196242

LABORATORY CONTROL SAMPLE: 3429380

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	20	18.3	91	70-130	
2,2-Dichloropropane	ug/L	20	19.8	99	70-130	
2-Chlorotoluene	ug/L	20	18.8	94	70-130	
4-Chlorotoluene	ug/L	20	20.0	100	70-130	
Benzene	ug/L	20	19.9	99	70-130	
Bromobenzene	ug/L	20	17.9	90	70-130	
Bromochloromethane	ug/L	20	18.9	94	70-130	
Bromodichloromethane	ug/L	20	19.4	97	70-130	
Bromoform	ug/L	20	20.1	100	70-130	
Bromomethane	ug/L	20	23.2	116	70-130	CH,SS
Carbon tetrachloride	ug/L	20	21.2	106	70-130	
Chlorobenzene	ug/L	20	19.0	95	70-130	
Chloroethane	ug/L	20	21.0	105	70-130	
Chloroform	ug/L	20	19.3	97	70-130	
Chloromethane	ug/L	20	20.7	103	70-130	
cis-1,2-Dichloroethene	ug/L	20	18.6	93	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.9	95	70-130	
Dibromochloromethane	ug/L	20	20.6	103	70-130	
Dibromomethane	ug/L	20	16.4	82	70-130	
Dichlorodifluoromethane	ug/L	20	18.4	92	70-130	
Ethylbenzene	ug/L	20	20.0	100	70-130	
Hexachloro-1,3-butadiene	ug/L	20	17.9	90	70-130	
Isopropylbenzene (Cumene)	ug/L	20	20.5	103	70-130	
Methyl-tert-butyl ether	ug/L	20	19.3	96	70-130	
Methylene Chloride	ug/L	20	19.5	98	70-130	
n-Butylbenzene	ug/L	20	19.6	98	70-130	
n-Propylbenzene	ug/L	20	19.3	97	70-130	
Naphthalene	ug/L	20	18.1	91	70-130	
p-Isopropyltoluene	ug/L	20	19.8	99	70-130	N2
sec-Butylbenzene	ug/L	20	21.8	109	70-130	
Styrene	ug/L	20	20.8	104	70-130	
tert-Butylbenzene	ug/L	20	21.5	107	70-130	
Tetrachloroethene	ug/L	20	18.8	94	70-130	
Toluene	ug/L	20	19.4	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.1	100	70-130	
trans-1,3-Dichloropropene	ug/L	20	17.8	89	70-130	
Trichloroethene	ug/L	20	19.8	99	70-130	
Trichlorofluoromethane	ug/L	20	18.5	93	70-130	
Vinyl chloride	ug/L	20	21.8	109	70-130	
Xylene (Total)	ug/L	60	63.1	105	70-130	
1,2-Dichloroethane-d4 (S)	%.			101	75-125	
4-Bromofluorobenzene (S)	%.			99	75-125	
Toluene-d8 (S)	%.			100	75-125	

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 HEDLUND DX
Pace Project No.: 40196242

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3429381 3429382

Parameter	Units	40196230001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<0.12	20	20	17.1	19.0	86	95	70-130	10	20	
1,1,1-Trichloroethane	ug/L	<0.19	20	20	21.1	23.1	106	116	70-130	9	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.17	20	20	15.2	17.5	76	87	70-130	14	20	
1,1,2-Trichloroethane	ug/L	<0.19	20	20	18.6	20.8	93	104	70-130	12	20	
1,1-Dichloroethane	ug/L	<0.16	20	20	19.5	21.6	98	108	70-130	10	20	
1,1-Dichloroethene	ug/L	<0.19	20	20	19.8	20.4	99	102	70-130	3	20	
1,1-Dichloropropene	ug/L	<0.10	20	20	20.2	21.2	101	106	70-130	5	20	
1,2,3-Trichlorobenzene	ug/L	<0.25	20	20	18.2	13.5	91	68	70-130	29	20	M1,R1
1,2,3-Trichloropropane	ug/L	<0.39	20	20	16.2	17.3	81	87	70-130	7	20	
1,2,4-Trichlorobenzene	ug/L	<0.19	20	20	18.5	13.7	92	68	70-130	30	20	M1,R1
1,2,4-Trimethylbenzene	ug/L	<0.23	20	20	20.8	20.0	104	100	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.0	50	50	35.7	42.2	71	84	70-130	17	20	N2
1,2-Dibromoethane (EDB)	ug/L	<0.17	20	20	17.2	19.3	86	96	70-130	12	20	N2
1,2-Dichlorobenzene	ug/L	<0.18	20	20	17.3	17.7	86	88	70-130	2	20	
1,2-Dichloroethane	ug/L	2.8	20	20	20.3	21.8	88	95	70-130	7	20	
1,2-Dichloropropane	ug/L	<0.19	20	20	24.8	18.7	124	93	70-130	28	20	R1
1,3,5-Trimethylbenzene	ug/L	<0.15	20	20	19.3	18.1	97	90	70-130	7	20	N2
1,3-Dichlorobenzene	ug/L	<0.14	20	20	17.7	17.9	88	90	70-130	1	20	
1,3-Dichloropropane	ug/L	<0.11	20	20	18.5	20.1	92	101	70-130	9	20	N2
1,4-Dichlorobenzene	ug/L	<0.086	20	20	17.1	17.0	85	85	70-130	0	20	
2,2-Dichloropropane	ug/L	<0.16	20	20	20.7	24.4	103	122	70-130	17	20	
2-Chlorotoluene	ug/L	<0.086	20	20	17.8	17.9	89	89	70-130	1	20	
4-Chlorotoluene	ug/L	<0.093	20	20	18.8	19.5	94	97	70-130	4	20	
Benzene	ug/L	0.91	20	20	19.7	21.9	94	105	70-130	10	20	
Bromobenzene	ug/L	<0.23	20	20	16.8	17.9	84	90	70-130	7	20	
Bromochloromethane	ug/L	<0.30	20	20	17.7	18.6	88	93	70-130	5	20	
Bromodichloromethane	ug/L	<0.15	20	20	26.3	20.2	132	101	70-130	26	20	M1,R1
Bromoform	ug/L	<0.45	20	20	17.3	18.2	87	91	70-130	5	20	
Bromomethane	ug/L	<0.62	20	20	22.7	23.6	114	118	70-130	4	20	CH,SS
Carbon tetrachloride	ug/L	<0.20	20	20	21.4	23.7	107	119	70-130	10	20	
Chlorobenzene	ug/L	<0.12	20	20	17.2	18.6	86	93	70-130	8	20	
Chloroethane	ug/L	<0.14	20	20	15.8	20.4	79	102	70-130	25	20	R1
Chloroform	ug/L	<0.31	20	20	18.5	20.4	93	102	70-130	10	20	
Chloromethane	ug/L	<0.15	20	20	15.8	17.1	79	86	70-130	8	20	
cis-1,2-Dichloroethene	ug/L	<0.14	20	20	18.7	19.2	94	96	70-130	3	20	
cis-1,3-Dichloropropene	ug/L	<0.21	20	20	24.7	18.0	123	90	70-130	31	20	R1
Dibromochloromethane	ug/L	<0.24	20	20	19.0	20.3	95	102	70-130	7	20	
Dibromomethane	ug/L	<0.23	20	20	22.9	16.7	115	83	70-130	32	20	R1
Dichlorodifluoromethane	ug/L	<0.26	20	20	17.6	19.8	88	99	70-130	12	20	
Ethylbenzene	ug/L	<0.11	20	20	19.1	20.5	95	103	70-130	7	20	
Hexachloro-1,3-butadiene	ug/L	<0.28	20	20	21.8	11.0	109	55	70-130	66	20	M1,R1
Isopropylbenzene (Cumene)	ug/L	<0.17	20	20	19.9	20.2	99	101	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<0.17	20	20	18.7	21.3	94	107	70-130	13	20	
Methylene Chloride	ug/L	<0.44	20	20	19.6	19.9	98	100	70-130	2	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 7367 HEDLUND DX
Pace Project No.: 40196242

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3429381 3429382

Parameter	Units	40196230001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
n-Butylbenzene	ug/L	<0.14	20	20	20.4	14.2	102	71	70-130	36	20	R1
n-Propylbenzene	ug/L	<0.13	20	20	19.0	18.0	95	90	70-130	6	20	
Naphthalene	ug/L	<0.18	20	20	16.8	17.3	84	86	70-130	3	20	
p-Isopropyltoluene	ug/L	<0.21	20	20	20.5	16.7	102	84	70-130	20	20	N2
sec-Butylbenzene	ug/L	<0.20	20	20	22.7	17.1	113	85	70-130	28	20	R1
Styrene	ug/L	<0.18	20	20	18.8	21.0	94	105	70-130	11	20	
tert-Butylbenzene	ug/L	<0.14	20	20	21.9	18.4	109	92	70-130	17	20	
Tetrachloroethene	ug/L	<0.17	20	20	18.0	19.4	90	97	70-130	7	20	
Toluene	ug/L	<0.078	20	20	17.8	19.9	89	99	70-130	11	20	
trans-1,2-Dichloroethene	ug/L	<0.18	20	20	20.2	18.6	101	93	70-130	8	20	
trans-1,3-Dichloropropene	ug/L	<0.24	20	20	17.0	17.7	85	89	70-130	4	20	
Trichloroethene	ug/L	<0.12	20	20	20.2	20.1	101	101	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.21	20	20	16.7	18.9	84	95	70-130	12	20	
Vinyl chloride	ug/L	<0.086	20	20	19.9	19.6	100	98	70-130	2	20	
Xylene (Total)	ug/L	<0.30	60	60	60.7	65.7	101	110	70-130	8	20	
1,2-Dichloroethane-d4 (S)	%.						104	103	75-125			
4-Bromofluorobenzene (S)	%.						96	96	75-125			
Toluene-d8 (S)	%.						97	98	75-125			

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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: 7367 HEDLUND DX
Pace Project No.: 40196242

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MN	The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
R1	RPD value was outside control limits.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 7367 HEDLUND DX
Pace Project No.: 40196242

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40196242001	**BAITSHOP**	EPA 524.2	636322		
40196242002	**BOB'S SERVICE**	EPA 524.2	636322		

Pace Analytical®
www.pacelabs.com

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

Page 1 of 1

40196242

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:	
Project Contact:	David Garland
Phone:	715-675-9781
Project Number:	7367
Project Name:	Hedlund DX
Project State:	WI
Sampled By (Print):	David Garland
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

Matrix Codes

A = Air	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 524.2	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	BALTSHOP	9/24/19	9:20	DW	N	J	X			
002	Bob's Service	"	9:20	"	"	"	X			

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:
	9/30/19 3:00P		
Relinquished By: Waltco	10/1/19 0905	Received By: John Brunette Pace	10/1/19 0805
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.
40196242

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

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

Sample Preservation Receipt Form

Client Name: REI Project # 40196842

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A Initial when completed: Date/ Time:

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass: AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	Plastic: BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	Vials: DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	WGFU	WPFU	General: SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001															3			3	STB 10/1/19														2.5 / 5 / 10
002															3			3	STB 10/1/19														2.5 / 5 / 10
003																																	2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																											STB	10/1/19					2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : □Yes □No ☒N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: **WO# : 40196242**

40196242

Client Name: PEI

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☑ Waltco ☐ Client ☐ Pace Other:

Tracking #: 2192179-1

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

Cooler Temperature Uncorr: 2.01 /Corr:

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

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

Person examining contents:
Date: 10/1/19
Initials: JTB

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out: 10/1/19 JTB	☑Yes ☑No ☐N/A	2. No mail info 10/1/19 JTB
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	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	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: W		
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
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: BS **Date:** 10-1-19