

Stoltz, Carrie R - DNR

From: Dave Larsen <dlarsen@reiengineering.com>
Sent: Wednesday, June 03, 2020 1:46 PM
To: Stoltz, Carrie R - DNR
Subject: Bayside Results
Attachments: 40208630_frc.pdf

Carrie, latest groundwater results are attached. MW3 is still very hot, the rest are about what you would suspect. Carbon seems to be addressing impact at depth, but its shallow to groundwater and its come up more and I think we are getting impacts from the soil. If any \$\$ are available to dig impacted soil, this site could use it.

Thank you,
David N. Larsen P.G
Senior Hydrogeologist / Professional Geologist



REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

4080 N. 20th Avenue
Wausau, WI 54401
REIengineering.com

David N. Larsen, P.G.
Senior Hydrogeologist
dlarsen@REIengineering.com

Tel: 1-877-734-7745
715-675-9784

Cell: 715-551-3434

Fax: 715-675-4060

Icons: Head, Surveying, Leaf, Water

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June 03, 2020

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

RE: Project: 6198 BAYSIDE FORESTRY
Pace Project No.: 40208630

Dear DAVID LARSEN:

Enclosed are the analytical results for sample(s) received by the laboratory on June 02, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 6198 BAYSIDE FORESTRY

Pace Project No.: 40208630

Pace Analytical Services Green Bay

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

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SAMPLE SUMMARY

Project: 6198 BAYSIDE FORESTRY

Pace Project No.: 40208630

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40208630001	MW1	Water	05/28/20 16:30	06/02/20 08:55
40208630002	MW2R	Water	05/28/20 16:45	06/02/20 08:55
40208630003	MW3	Water	05/28/20 17:00	06/02/20 08:55
40208630004	MW4	Water	05/28/20 17:15	06/02/20 08:55
40208630005	MW5	Water	05/28/20 17:30	06/02/20 08:55
40208630006	MW6	Water	05/28/20 17:45	06/02/20 08:55
40208630007	MW7	Water	05/28/20 18:00	06/02/20 08:55
40208630008	MW8	Water	05/28/20 18:15	06/02/20 08:55
40208630009	MW9	Water	05/28/20 18:30	06/02/20 08:55
40208630010	MW10	Water	05/28/20 18:45	06/02/20 08:55
40208630011	MW11	Water	05/28/20 19:00	06/02/20 08:55
40208630012	MW12	Water	05/28/20 19:15	06/02/20 08:55
40208630013	MW13	Water	05/28/20 19:30	06/02/20 08:55
40208630014	PZ1	Water	05/28/20 19:45	06/02/20 08:55
40208630015	TW1	Water	05/28/20 19:50	06/02/20 08:55
40208630016	TW2	Water	05/28/20 19:55	06/02/20 08:55
40208630017	TW3	Water	05/28/20 20:00	06/02/20 08:55
40208630018	TW4	Water	05/28/20 20:05	06/02/20 08:55
40208630019	TW5	Water	05/28/20 20:10	06/02/20 08:55

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SAMPLE ANALYTE COUNT

Project: 6198 BAYSIDE FORESTRY
Pace Project No.: 40208630

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40208630001	MW1	EPA 8260	LAP	12
40208630002	MW2R	EPA 8260	LAP	12
40208630003	MW3	EPA 8260	LAP	12
40208630004	MW4	EPA 8260	LAP	12
40208630005	MW5	EPA 8260	LAP	12
40208630006	MW6	EPA 8260	LAP	12
40208630007	MW7	EPA 8260	LAP	12
40208630008	MW8	EPA 8260	LAP	12
40208630009	MW9	EPA 8260	LAP	12
40208630010	MW10	EPA 8260	LAP	12
40208630011	MW11	EPA 8260	LAP	12
40208630012	MW12	EPA 8260	LAP	12
40208630013	MW13	EPA 8260	LAP	12
40208630014	PZ1	EPA 8260	LAP	12
40208630015	TW1	EPA 8260	LAP	12
40208630016	TW2	EPA 8260	LAP	12
40208630017	TW3	EPA 8260	LAP	12
40208630018	TW4	EPA 8260	LAP	12
40208630019	TW5	EPA 8260	LAP	12

PASI-G = Pace Analytical Services - Green Bay

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ANALYTICAL RESULTS

Project: 6198 BAYSIDE FORESTRY

Pace Project No.: 40208630

Sample: MW1 **Lab ID: 40208630001** Collected: 05/28/20 16:30 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	264	ug/L	1.0	0.25	1		06/02/20 21:27	71-43-2	
Ethylbenzene	88.5	ug/L	1.1	0.32	1		06/02/20 21:27	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/02/20 21:27	1634-04-4	
Naphthalene	5.4	ug/L	5.0	1.2	1		06/02/20 21:27	91-20-3	
Toluene	6.5	ug/L	0.90	0.27	1		06/02/20 21:27	108-88-3	
1,2,4-Trimethylbenzene	76.3	ug/L	2.8	0.84	1		06/02/20 21:27	95-63-6	
1,3,5-Trimethylbenzene	12.8	ug/L	2.9	0.87	1		06/02/20 21:27	108-67-8	
m&p-Xylene	323	ug/L	2.0	0.47	1		06/02/20 21:27	179601-23-1	
o-Xylene	0.62J	ug/L	1.0	0.26	1		06/02/20 21:27	95-47-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		06/02/20 21:27	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/02/20 21:27	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		06/02/20 21:27	460-00-4	

Sample: MW2R **Lab ID: 40208630002** Collected: 05/28/20 16:45 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	4.3	ug/L	1.0	0.25	1		06/02/20 21:49	71-43-2	
Ethylbenzene	44.4	ug/L	1.1	0.32	1		06/02/20 21:49	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/02/20 21:49	1634-04-4	
Naphthalene	6.2	ug/L	5.0	1.2	1		06/02/20 21:49	91-20-3	
Toluene	16.2	ug/L	0.90	0.27	1		06/02/20 21:49	108-88-3	
1,2,4-Trimethylbenzene	60.8	ug/L	2.8	0.84	1		06/02/20 21:49	95-63-6	
1,3,5-Trimethylbenzene	16.0	ug/L	2.9	0.87	1		06/02/20 21:49	108-67-8	
m&p-Xylene	129	ug/L	2.0	0.47	1		06/02/20 21:49	179601-23-1	
o-Xylene	19.8	ug/L	1.0	0.26	1		06/02/20 21:49	95-47-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		1		06/02/20 21:49	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		06/02/20 21:49	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		06/02/20 21:49	460-00-4	

Sample: MW3 **Lab ID: 40208630003** Collected: 05/28/20 17:00 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	20900	ug/L	400	98.6	400		06/03/20 08:18	71-43-2	
Ethylbenzene	2790	ug/L	53.1	15.9	50		06/03/20 01:50	100-41-4	

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ANALYTICAL RESULTS

Project: 6198 BAYSIDE FORESTRY

Pace Project No.: 40208630

Sample: MW3 **Lab ID: 40208630003** Collected: 05/28/20 17:00 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Methyl-tert-butyl ether	<62.3	ug/L	208	62.3	50		06/03/20 01:50	1634-04-4	
Naphthalene	155J	ug/L	250	58.8	50		06/03/20 01:50	91-20-3	
Toluene	38200	ug/L	359	108	400		06/03/20 08:18	108-88-3	
1,2,4-Trimethylbenzene	1000	ug/L	140	42.0	50		06/03/20 01:50	95-63-6	
1,3,5-Trimethylbenzene	260	ug/L	146	43.7	50		06/03/20 01:50	108-67-8	
m&p-Xylene	9610	ug/L	100	23.3	50		06/03/20 01:50	179601-23-1	
o-Xylene	4120	ug/L	50.0	13.1	50		06/03/20 01:50	95-47-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		50		06/03/20 01:50	1868-53-7	
Toluene-d8 (S)	98	%	70-130		50		06/03/20 01:50	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		50		06/03/20 01:50	460-00-4	

Sample: MW4 **Lab ID: 40208630004** Collected: 05/28/20 17:15 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	44.0	ug/L	1.0	0.25	1		06/03/20 00:00	71-43-2	
Ethylbenzene	5.2	ug/L	1.1	0.32	1		06/03/20 00:00	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/03/20 00:00	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/03/20 00:00	91-20-3	
Toluene	73.1	ug/L	0.90	0.27	1		06/03/20 00:00	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/03/20 00:00	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/03/20 00:00	108-67-8	
m&p-Xylene	6.7	ug/L	2.0	0.47	1		06/03/20 00:00	179601-23-1	
o-Xylene	1.8	ug/L	1.0	0.26	1		06/03/20 00:00	95-47-6	
Surrogates									
Dibromofluoromethane (S)	93	%	70-130		1		06/03/20 00:00	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/03/20 00:00	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		06/03/20 00:00	460-00-4	

Sample: MW5 **Lab ID: 40208630005** Collected: 05/28/20 17:30 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	984	ug/L	5.0	1.2	5		06/03/20 02:12	71-43-2	
Ethylbenzene	197	ug/L	5.3	1.6	5		06/03/20 02:12	100-41-4	
Methyl-tert-butyl ether	<6.2	ug/L	20.8	6.2	5		06/03/20 02:12	1634-04-4	
Naphthalene	6.7J	ug/L	25.0	5.9	5		06/03/20 02:12	91-20-3	

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ANALYTICAL RESULTS

Project: 6198 BAYSIDE FORESTRY
Pace Project No.: 40208630

Sample: MW5 **Lab ID: 40208630005** Collected: 05/28/20 17:30 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Toluene	1010	ug/L	4.5	1.3	5		06/03/20 02:12	108-88-3	
1,2,4-Trimethylbenzene	120	ug/L	14.0	4.2	5		06/03/20 02:12	95-63-6	
1,3,5-Trimethylbenzene	33.0	ug/L	14.6	4.4	5		06/03/20 02:12	108-67-8	
m&p-Xylene	692	ug/L	10.0	2.3	5		06/03/20 02:12	179601-23-1	
o-Xylene	158	ug/L	5.0	1.3	5		06/03/20 02:12	95-47-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		5		06/03/20 02:12	1868-53-7	
Toluene-d8 (S)	98	%	70-130		5		06/03/20 02:12	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		5		06/03/20 02:12	460-00-4	

Sample: MW6 **Lab ID: 40208630006** Collected: 05/28/20 17:45 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	256	ug/L	1.0	0.25	1		06/02/20 23:38	71-43-2	
Ethylbenzene	4.7	ug/L	1.1	0.32	1		06/02/20 23:38	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/02/20 23:38	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/02/20 23:38	91-20-3	
Toluene	2.9	ug/L	0.90	0.27	1		06/02/20 23:38	108-88-3	
1,2,4-Trimethylbenzene	1.2J	ug/L	2.8	0.84	1		06/02/20 23:38	95-63-6	
1,3,5-Trimethylbenzene	1.3J	ug/L	2.9	0.87	1		06/02/20 23:38	108-67-8	
m&p-Xylene	19.3	ug/L	2.0	0.47	1		06/02/20 23:38	179601-23-1	
o-Xylene	0.48J	ug/L	1.0	0.26	1		06/02/20 23:38	95-47-6	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		1		06/02/20 23:38	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/02/20 23:38	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		06/02/20 23:38	460-00-4	

Sample: MW7 **Lab ID: 40208630007** Collected: 05/28/20 18:00 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	255	ug/L	1.0	0.25	1		06/03/20 00:22	71-43-2	
Ethylbenzene	29.5	ug/L	1.1	0.32	1		06/03/20 00:22	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/03/20 00:22	1634-04-4	
Naphthalene	2.4J	ug/L	5.0	1.2	1		06/03/20 00:22	91-20-3	
Toluene	2.4	ug/L	0.90	0.27	1		06/03/20 00:22	108-88-3	
1,2,4-Trimethylbenzene	26.3	ug/L	2.8	0.84	1		06/03/20 00:22	95-63-6	

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ANALYTICAL RESULTS

Project: 6198 BAYSIDE FORESTRY

Pace Project No.: 40208630

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW7 Lab ID: 40208630007 Collected: 05/28/20 18:00 Received: 06/02/20 08:55 Matrix: Water									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
1,3,5-Trimethylbenzene	4.5	ug/L	2.9	0.87	1		06/03/20 00:22	108-67-8	
m&p-Xylene	103	ug/L	2.0	0.47	1		06/03/20 00:22	179601-23-1	
o-Xylene	1.5	ug/L	1.0	0.26	1		06/03/20 00:22	95-47-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		06/03/20 00:22	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		06/03/20 00:22	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		06/03/20 00:22	460-00-4	

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW8 Lab ID: 40208630008 Collected: 05/28/20 18:15 Received: 06/02/20 08:55 Matrix: Water									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		06/02/20 19:37	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/02/20 19:37	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/02/20 19:37	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/02/20 19:37	91-20-3	
Toluene	<0.27	ug/L	0.90	0.27	1		06/02/20 19:37	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/02/20 19:37	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/02/20 19:37	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		06/02/20 19:37	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		06/02/20 19:37	95-47-6	
Surrogates									
Dibromofluoromethane (S)	93	%	70-130		1		06/02/20 19:37	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/02/20 19:37	2037-26-5	
4-Bromofluorobenzene (S)	84	%	70-130		1		06/02/20 19:37	460-00-4	

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW9 Lab ID: 40208630009 Collected: 05/28/20 18:30 Received: 06/02/20 08:55 Matrix: Water									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		06/02/20 19:15	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/02/20 19:15	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/02/20 19:15	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/02/20 19:15	91-20-3	
Toluene	<0.27	ug/L	0.90	0.27	1		06/02/20 19:15	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/02/20 19:15	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/02/20 19:15	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		06/02/20 19:15	179601-23-1	

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ANALYTICAL RESULTS

Project: 6198 BAYSIDE FORESTRY
Pace Project No.: 40208630

Sample: MW9 **Lab ID: 40208630009** Collected: 05/28/20 18:30 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
o-Xylene	<0.26	ug/L	1.0	0.26	1		06/02/20 19:15	95-47-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		1		06/02/20 19:15	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		06/02/20 19:15	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		06/02/20 19:15	460-00-4	

Sample: MW10 **Lab ID: 40208630010** Collected: 05/28/20 18:45 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		06/02/20 19:59	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/02/20 19:59	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/02/20 19:59	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/02/20 19:59	91-20-3	
Toluene	<0.27	ug/L	0.90	0.27	1		06/02/20 19:59	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/02/20 19:59	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/02/20 19:59	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		06/02/20 19:59	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		06/02/20 19:59	95-47-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		06/02/20 19:59	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/02/20 19:59	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130		1		06/02/20 19:59	460-00-4	

Sample: MW11 **Lab ID: 40208630011** Collected: 05/28/20 19:00 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	2020	ug/L	40.0	9.9	40		06/03/20 01:06	71-43-2	
Ethylbenzene	36.4J	ug/L	42.5	12.7	40		06/03/20 01:06	100-41-4	
Methyl-tert-butyl ether	<49.8	ug/L	166	49.8	40		06/03/20 01:06	1634-04-4	
Naphthalene	<47.0	ug/L	200	47.0	40		06/03/20 01:06	91-20-3	
Toluene	19.8J	ug/L	35.9	10.8	40		06/03/20 01:06	108-88-3	
1,2,4-Trimethylbenzene	<33.6	ug/L	112	33.6	40		06/03/20 01:06	95-63-6	
1,3,5-Trimethylbenzene	<34.9	ug/L	116	34.9	40		06/03/20 01:06	108-67-8	
m&p-Xylene	115	ug/L	80.0	18.6	40		06/03/20 01:06	179601-23-1	
o-Xylene	<10.5	ug/L	40.0	10.5	40		06/03/20 01:06	95-47-6	

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ANALYTICAL RESULTS

Project: 6198 BAYSIDE FORESTRY

Pace Project No.: 40208630

Sample: MW11 **Lab ID: 40208630011** Collected: 05/28/20 19:00 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		40		06/03/20 01:06	1868-53-7	
Toluene-d8 (S)	98	%	70-130		40		06/03/20 01:06	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		40		06/03/20 01:06	460-00-4	

Sample: MW12 **Lab ID: 40208630012** Collected: 05/28/20 19:15 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		06/02/20 20:21	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/02/20 20:21	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/02/20 20:21	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/02/20 20:21	91-20-3	
Toluene	<0.27	ug/L	0.90	0.27	1		06/02/20 20:21	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/02/20 20:21	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/02/20 20:21	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		06/02/20 20:21	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		06/02/20 20:21	95-47-6	
Surrogates									
Dibromofluoromethane (S)	92	%	70-130		1		06/02/20 20:21	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/02/20 20:21	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		1		06/02/20 20:21	460-00-4	

Sample: MW13 **Lab ID: 40208630013** Collected: 05/28/20 19:30 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	7410	ug/L	50.0	12.3	50		06/03/20 00:44	71-43-2	
Ethylbenzene	157	ug/L	53.1	15.9	50		06/03/20 00:44	100-41-4	
Methyl-tert-butyl ether	<62.3	ug/L	208	62.3	50		06/03/20 00:44	1634-04-4	
Naphthalene	<58.8	ug/L	250	58.8	50		06/03/20 00:44	91-20-3	
Toluene	49.2	ug/L	44.9	13.5	50		06/03/20 00:44	108-88-3	
1,2,4-Trimethylbenzene	153	ug/L	140	42.0	50		06/03/20 00:44	95-63-6	
1,3,5-Trimethylbenzene	44.3J	ug/L	146	43.7	50		06/03/20 00:44	108-67-8	
m&p-Xylene	1700	ug/L	100	23.3	50		06/03/20 00:44	179601-23-1	
o-Xylene	<13.1	ug/L	50.0	13.1	50		06/03/20 00:44	95-47-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		50		06/03/20 00:44	1868-53-7	

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ANALYTICAL RESULTS

Project: 6198 BAYSIDE FORESTRY
Pace Project No.: 40208630

Sample: MW13 **Lab ID: 40208630013** Collected: 05/28/20 19:30 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Surrogates									
Toluene-d8 (S)	101	%	70-130		50		06/03/20 00:44	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		50		06/03/20 00:44	460-00-4	

Sample: PZ1 **Lab ID: 40208630014** Collected: 05/28/20 19:45 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		06/02/20 22:11	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/02/20 22:11	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/02/20 22:11	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/02/20 22:11	91-20-3	
Toluene	<0.27	ug/L	0.90	0.27	1		06/02/20 22:11	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/02/20 22:11	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/02/20 22:11	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		06/02/20 22:11	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		06/02/20 22:11	95-47-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		06/02/20 22:11	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		06/02/20 22:11	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		06/02/20 22:11	460-00-4	

Sample: TW1 **Lab ID: 40208630015** Collected: 05/28/20 19:50 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		06/02/20 22:32	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/02/20 22:32	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/02/20 22:32	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/02/20 22:32	91-20-3	
Toluene	<0.27	ug/L	0.90	0.27	1		06/02/20 22:32	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/02/20 22:32	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/02/20 22:32	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		06/02/20 22:32	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		06/02/20 22:32	95-47-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		1		06/02/20 22:32	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/02/20 22:32	2037-26-5	

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ANALYTICAL RESULTS

Project: 6198 BAYSIDE FORESTRY
Pace Project No.: 40208630

Sample: TW1 Lab ID: 40208630015 Collected: 05/28/20 19:50 Received: 06/02/20 08:55 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		06/02/20 22:32	460-00-4	

Sample: TW2 Lab ID: 40208630016 Collected: 05/28/20 19:55 Received: 06/02/20 08:55 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		06/02/20 22:54	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/02/20 22:54	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/02/20 22:54	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/02/20 22:54	91-20-3	
Toluene	<0.27	ug/L	0.90	0.27	1		06/02/20 22:54	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/02/20 22:54	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/02/20 22:54	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		06/02/20 22:54	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		06/02/20 22:54	95-47-6	
Surrogates									
Dibromofluoromethane (S)	93	%	70-130		1		06/02/20 22:54	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/02/20 22:54	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130		1		06/02/20 22:54	460-00-4	

Sample: TW3 Lab ID: 40208630017 Collected: 05/28/20 20:00 Received: 06/02/20 08:55 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		06/02/20 23:16	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/02/20 23:16	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/02/20 23:16	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/02/20 23:16	91-20-3	
Toluene	0.55J	ug/L	0.90	0.27	1		06/02/20 23:16	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/02/20 23:16	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/02/20 23:16	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		06/02/20 23:16	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		06/02/20 23:16	95-47-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		06/02/20 23:16	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/02/20 23:16	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		1		06/02/20 23:16	460-00-4	

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ANALYTICAL RESULTS

Project: 6198 BAYSIDE FORESTRY

Pace Project No.: 40208630

Sample: TW4 **Lab ID: 40208630018** Collected: 05/28/20 20:05 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		06/02/20 20:43	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/02/20 20:43	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/02/20 20:43	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/02/20 20:43	91-20-3	
Toluene	<0.27	ug/L	0.90	0.27	1		06/02/20 20:43	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/02/20 20:43	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/02/20 20:43	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		06/02/20 20:43	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		06/02/20 20:43	95-47-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		06/02/20 20:43	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/02/20 20:43	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		1		06/02/20 20:43	460-00-4	

Sample: TW5 **Lab ID: 40208630019** Collected: 05/28/20 20:10 Received: 06/02/20 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		06/02/20 21:05	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/02/20 21:05	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/02/20 21:05	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/02/20 21:05	91-20-3	
Toluene	0.37J	ug/L	0.90	0.27	1		06/02/20 21:05	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/02/20 21:05	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/02/20 21:05	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		06/02/20 21:05	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		06/02/20 21:05	95-47-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		06/02/20 21:05	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/02/20 21:05	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		1		06/02/20 21:05	460-00-4	

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QUALITY CONTROL DATA

Project: 6198 BAYSIDE FORESTRY
Pace Project No.: 40208630

QC Batch:	356413	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV UST-WATER
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40208630001, 40208630002, 40208630003, 40208630004, 40208630005, 40208630006, 40208630007, 40208630008, 40208630009, 40208630010, 40208630011, 40208630012, 40208630013, 40208630014, 40208630015, 40208630016, 40208630017, 40208630018, 40208630019

METHOD BLANK: 2061247 Matrix: Water
Associated Lab Samples: 40208630001, 40208630002, 40208630003, 40208630004, 40208630005, 40208630006, 40208630007, 40208630008, 40208630009, 40208630010, 40208630011, 40208630012, 40208630013, 40208630014, 40208630015, 40208630016, 40208630017, 40208630018, 40208630019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	06/02/20 15:36	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	06/02/20 15:36	
Benzene	ug/L	<0.25	1.0	06/02/20 15:36	
Ethylbenzene	ug/L	<0.32	1.1	06/02/20 15:36	
m&p-Xylene	ug/L	<0.47	2.0	06/02/20 15:36	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	06/02/20 15:36	
Naphthalene	ug/L	<1.2	5.0	06/02/20 15:36	
o-Xylene	ug/L	<0.26	1.0	06/02/20 15:36	
Toluene	ug/L	<0.27	0.90	06/02/20 15:36	
4-Bromofluorobenzene (S)	%	87	70-130	06/02/20 15:36	
Dibromofluoromethane (S)	%	96	70-130	06/02/20 15:36	
Toluene-d8 (S)	%	100	70-130	06/02/20 15:36	

LABORATORY CONTROL SAMPLE: 2061248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	47.1	94	70-130	
Ethylbenzene	ug/L	50	53.4	107	80-120	
m&p-Xylene	ug/L	100	112	112	70-130	
Methyl-tert-butyl ether	ug/L	50	41.7	83	61-129	
o-Xylene	ug/L	50	53.1	106	70-130	
Toluene	ug/L	50	51.7	103	80-120	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2061432 2061433

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result								
Benzene	ug/L	<0.25	50	50	47.0	46.8	94	94	70-136	0	20		
Ethylbenzene	ug/L	<0.32	50	50	53.2	52.1	106	104	80-120	2	20		
m&p-Xylene	ug/L	<0.47	100	100	112	109	112	109	70-130	3	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	41.2	41.7	82	83	61-136	1	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

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QUALITY CONTROL DATA

Project: 6198 BAYSIDE FORESTRY

Pace Project No.: 40208630

Parameter	Units	2061432		2061433		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40208630009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
o-Xylene	ug/L	<0.26	50	50	52.6	51.4	105	103	70-130	2	20		
Toluene	ug/L	<0.27	50	50	50.9	50.5	102	101	80-120	1	20		
4-Bromofluorobenzene (S)	%						98	99	70-130				
Dibromofluoromethane (S)	%						94	94	70-130				
Toluene-d8 (S)	%						98	99	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

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QUALIFIERS

Project: 6198 BAYSIDE FORESTRY

Pace Project No.: 40208630

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6198 BAYSIDE FORESTRY
Pace Project No.: 40208630

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40208630001	MW1	EPA 8260	356413		
40208630002	MW2R	EPA 8260	356413		
40208630003	MW3	EPA 8260	356413		
40208630004	MW4	EPA 8260	356413		
40208630005	MW5	EPA 8260	356413		
40208630006	MW6	EPA 8260	356413		
40208630007	MW7	EPA 8260	356413		
40208630008	MW8	EPA 8260	356413		
40208630009	MW9	EPA 8260	356413		
40208630010	MW10	EPA 8260	356413		
40208630011	MW11	EPA 8260	356413		
40208630012	MW12	EPA 8260	356413		
40208630013	MW13	EPA 8260	356413		
40208630014	PZ1	EPA 8260	356413		
40208630015	TW1	EPA 8260	356413		
40208630016	TW2	EPA 8260	356413		
40208630017	TW3	EPA 8260	356413		
40208630018	TW4	EPA 8260	356413		
40208630019	TW5	EPA 8260	356413		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **PEI**
 Branch/Location:
 Project Contact: **DAVID CARSEN**
 Phone: **715-675-9781**
 Project Number: **6198**
 Project Name: **Bayside Forestry**
 Project State: **WI**
 Sampled By (Print): **David Cارسن**
 Sampled By (Sign): **[Signature]**
 PO #:
 Regulatory Program: **ACTA**

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	Mw1	5/28/20	4:30	GW
002	Mw2R		4:45	
003	Mw3		5:00	
004	Mw4		5:15	
005	Mw5		5:30	
006	Mw6		5:45	
007	Mw7		6:00	
008	Mw8		6:15	
009	Mw9		6:30	
010	Mw10		6:45	
011	Mw11		7:00	
012	Mw12		7:15	
013	Mw13		7:30	

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: **6/3/2020**

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: **[Signature]** Date/Time: **6-1-2020 1:31**
 Relinquished By: **Waltco** Date/Time: **6/20/2020 08:55**
 Relinquished By: Date/Time:
 Relinquished By: Date/Time:
 Relinquished By: Date/Time:

Received By: Date/Time:
 Received By: **[Signature]** Date/Time: **6/20/2020 08:55**
 Received By: Date/Time:
 Received By: Date/Time:
 Received By: Date/Time:

PACE Project No. **410058130**
 Receipt Temp = **ROI** °C
 Sample Receipt pH **OK / Adjusted**
 Cooler Custody Seal **Present / Not Present**
 Intact / Not Intact



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

Page 1 of 1
1/2
410058130

CHAIN OF CUSTODY

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

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

Y/N	Pick Letter	Analysis Requested	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix
N	B	Pw1 IN																

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

CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

De 6/3/2020

(Please Print Clearly)

Company Name: **REI**
 Branch/Location:
 Project Contact: **DAVID LARSEN**
 Phone: **715-675-9784**
 Project Number: **6198**
 Project Name: **BASIDE FORESTRY**
 Project State: **WI**
 Sampled By (Print): **DAVID LARSEN**
 Sampled By (Sign): *[Signature]*
 PO #:
 Regulatory Program: **DEFA**



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

212 *40208030*

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CHAIN OF CUSTODY

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

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

Y/N	Pick Letter	Analysis Requested
N	B	X
		Flow / W

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		MATRIX
		DATE	TIME	
014	REI	5/20/20	7:45	GW
015	TW1		7:50	I
016	TW2		7:55	I
017	TW3		8:00	I
018	TW4		8:05	I
019	TW5		8:10	I

CLIENT COMMENTS
De 6/3/2020

LAB COMMENTS (Lab Use Only)

Profile #

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: **6/3/2020**

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: <i>[Signature]</i>	Date/Time: 6-1-2020 1:30	Received By:	Date/Time:
Relinquished By: Walter	Date/Time: 6/2/20 0855	Received By: Gil With Price	Date/Time: 6/2/20 0855
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No. **40208030**

Receipt Temp = **REI** °C

Sample Receipt pH
 OK / Adjusted

Cooler Custody Seal
 Present / **Not Present**
 Intact / Not Intact

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 902
Green Bay, WI 54302

Client Name: RET

Project # 402058030

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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							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	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU								SP5T	ZPLC	GN	
001																W																		2.5 / 5 / 10
002																W																		2.5 / 5 / 10
003																W																		2.5 / 5 / 10
004																W																		2.5 / 5 / 10
005																W																		2.5 / 5 / 10
006																W																		2.5 / 5 / 10
007																W																		2.5 / 5 / 10
008																W																		2.5 / 5 / 10
009																W																		2.5 / 5 / 10
010																W																		2.5 / 5 / 10
011																W																		2.5 / 5 / 10
012																W																		2.5 / 5 / 10
013																W																		2.5 / 5 / 10
014																W																		2.5 / 5 / 10
015																W																		2.5 / 5 / 10
016																W																		2.5 / 5 / 10
017																W																		2.5 / 5 / 10
018																W																		2.5 / 5 / 10
019																W																		2.5 / 5 / 10
020																W																		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	VG9A 40 mL clear ascorbic	JGFU 4 oz amber jar unpres
BG1U 1 liter clear glass	BP3U 250 mL plastic unpres	DG9T 40 mL amber Na Thio	JG9U 9 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP3B 250 mL plastic NaOH	VG9U 40 mL clear vial unpres	WGFU 4 oz clear jar unpres
AG4S 125 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9H 40 mL clear vial HCL	WPFU 4 oz plastic jar unpres
AG4U 120 mL amber glass unpres	BP3S 250 mL plastic H2SO4	VG9M 40 mL clear vial MeOH	SP5T 120 mL plastic Na Thiosulfate
AG5U 100 mL amber glass unpres		VG9D 40 mL clear vial DI	ZPLC ziploc bag
AG2S 500 mL amber glass H2SO4			GN
BG3U 250 mL clear glass unpres			

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: RFI
Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____

Project #: **WO# : 40208630**

 40208630

Tracking #: 2452473-2
Custody Seal on Cooler/Box Present: yes no **Seals intact:** yes no
Custody Seal on Samples Present: yes no **Seals intact:** yes no
Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: SR - NA **Type of Ice:** Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature: Uncorr: ROT / 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 if shipped on Dry Ice.

Person examining contents:
 Date: 6/2/20 / Initials: SMW
 Labeled By Initials: EW

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No PPT, Mail, Invoice</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4. <u>SMW 6/2/20</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
- Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
- Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>004 vial time 1/8/45, MW not crossed out in IDs for 015, 016, 017 vial, 018 019</u>
- Includes date/time/ID/Analysis Matrix:	<u>W</u>	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: _____