

From: Ken Shimko <kshimko.meridianenv@gmail.com>
Sent: Thursday, July 18, 2019 12:15 PM
To: Stoltz, Carrie R - DNR
Subject: Sample Results: Jump River Store: July 12, 2019 sampling event
Attachments: 40191311_frc.pdf

Carrie.

Bc: Tammy Schmuckal – Jump River Store

As you can see in the attached lab report, the July 12, 2019 (last Friday) water sample from the Jump River Store had Benzene (3 ug/l). This is from the outside faucet (unfiltered)... we had filter changed in June so the Store's water supply should be good.

The concentration (3 ug/l) is below the Enforcement Standard but above PAL.

I will talk to owners of Store (Len Schmuckal) and discuss options including install replacement well.

Thanks

Kenneth Shimko, PG
Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, Wisconsin 54742
(715)832-6608 (office)
(715)579-0723 (cell)
Email: kshimko.meridianenv@gmail.com

July 18, 2019

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

RE: Project: JUMP RIVER
Pace Project No.: 40191311

Dear Kenneth Shimko:

Enclosed are the analytical results for sample(s) received by the laboratory on July 16, 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



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: JUMP RIVER

Pace Project No.: 40191311

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

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SAMPLE SUMMARY

Project: JUMP RIVER

Pace Project No.: 40191311

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40191311001	STORE	Water	07/12/19 00:00	07/16/19 11:00
40191311002	TRIP BLANK	Water	07/12/19 00:00	07/16/19 11:00

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SAMPLE ANALYTE COUNT

Project: JUMP RIVER

Pace Project No.: 40191311

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40191311001	STORE	EPA 8260	HNW	12	PASI-G
40191311002	TRIP BLANK	EPA 8260	HNW	12	PASI-G

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PROJECT NARRATIVE

Project: JUMP RIVER
Pace Project No.: 40191311

Method: EPA 8260
Description: 8260 MSV UST
Client: Meridian Environmental Consulting, LLC
Date: July 18, 2019

General Information:

2 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

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

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ANALYTICAL RESULTS

Project: JUMP RIVER
Pace Project No.: 40191311

Sample: STORE Lab ID: 40191311001 Collected: 07/12/19 00:00 Received: 07/16/19 11:00 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST Analytical Method: EPA 8260									
Benzene	3.0	ug/L	1.0	0.25	1		07/17/19 18:18	71-43-2	
Ethylbenzene	0.57J	ug/L	1.0	0.22	1		07/17/19 18:18	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/17/19 18:18	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/17/19 18:18	91-20-3	
Toluene	<0.17	ug/L	5.0	0.17	1		07/17/19 18:18	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/17/19 18:18	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/17/19 18:18	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/17/19 18:18	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/17/19 18:18	95-47-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1		07/17/19 18:18	1868-53-7	HS
Toluene-d8 (S)	99	%	70-130		1		07/17/19 18:18	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		07/17/19 18:18	460-00-4	

Sample: TRIP BLANK Lab ID: 40191311002 Collected: 07/12/19 00:00 Received: 07/16/19 11:00 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		07/17/19 11:13	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/17/19 11:13	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/17/19 11:13	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/17/19 11:13	91-20-3	
Toluene	<0.17	ug/L	5.0	0.17	1		07/17/19 11:13	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/17/19 11:13	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/17/19 11:13	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/17/19 11:13	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/17/19 11:13	95-47-6	
Surrogates									
Dibromofluoromethane (S)	93	%	70-130		1		07/17/19 11:13	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		07/17/19 11:13	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		07/17/19 11:13	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JUMP RIVER
Pace Project No.: 40191311

QC Batch: 327726 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 40191311001, 40191311002

METHOD BLANK: 1902960 Matrix: Water
Associated Lab Samples: 40191311001, 40191311002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/17/19 09:20	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/17/19 09:20	
Benzene	ug/L	<0.25	1.0	07/17/19 09:20	
Ethylbenzene	ug/L	<0.22	1.0	07/17/19 09:20	
m&p-Xylene	ug/L	<0.47	2.0	07/17/19 09:20	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/17/19 09:20	
Naphthalene	ug/L	<1.2	5.0	07/17/19 09:20	
o-Xylene	ug/L	<0.26	1.0	07/17/19 09:20	
Toluene	ug/L	<0.17	5.0	07/17/19 09:20	
4-Bromofluorobenzene (S)	%	89	70-130	07/17/19 09:20	
Dibromofluoromethane (S)	%	88	70-130	07/17/19 09:20	
Toluene-d8 (S)	%	95	70-130	07/17/19 09:20	

LABORATORY CONTROL SAMPLE: 1902961

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	48.2	96	70-130	
Ethylbenzene	ug/L	50	54.0	108	80-124	
m&p-Xylene	ug/L	100	108	108	70-130	
Methyl-tert-butyl ether	ug/L	50	48.1	96	54-137	
o-Xylene	ug/L	50	51.6	103	70-130	
Toluene	ug/L	50	49.4	99	80-126	
4-Bromofluorobenzene (S)	%			106	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			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.

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QUALIFIERS

Project: JUMP RIVER

Pace Project No.: 40191311

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).

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JUMP RIVER

Pace Project No.: 40191311

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40191311001	STORE	EPA 8260	327726		
40191311002	TRIP BLANK	EPA 8260	327726		

REPORT OF LABORATORY ANALYSIS

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Sample Preservation Receipt Form

Client Name: Meridian

Project # 40191311

All containers needing preservation have been checked and noted below: Yes No N/A

Lab Lot# of pH paper:

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

Initial when completed:

Date/Time:


Pace Lab #	Glass						Plastic						Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤	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
001																	3															2.5 / 5 / 10
002																	2															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
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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

WLSF 5/11/19

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:	

 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#: 40191311


40191311

 Client Name: Meridian

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

 Tracking #: 7884 4966 8745

 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

Person examining contents:

 Date: 07/16/19

 Initials: MSC

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C.

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>Invoice</u> <u>MSC 07/16/19</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.
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 type="checkbox"/> Yes <input checked="" 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.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>CO2 Trip Blank added to chain by lab MSC 07/16/19</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>427</u>		

Client Notification/ Resolution:

 If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

 Date: 7-16-19