

**Flambeau Mining Company**  
4700 Daybreak Parkway  
South Jordan, UT 84095  
801-204-2526



January 23, 2019

Mr. Dave Siebert  
Bureau Director  
Wisconsin Department of Natural Resources  
101 S. Webster Street – GEF2  
P.O. Box 7921  
Madison, WI 53707-7921

RE: Flambeau Mining Company  
License # 03180  
Facility ID 855034730  
Environmental Surface Water Monitoring (Second Half of 2018) – Revised

Dear Dave:

Enclosed please find copies of the second half of 2018 environmental monitoring surface water data which include analyses of surface water collected from sample stations SW-C1 and SW-C9. Sampling was completed in accordance with the approved monitoring plan prepared for IP-NO-2015-55-01907.

Stream flow, field results, and analytical results are provided in Table 1. Five surface water sampling events were completed on: September 5, 2018, September 21, 2018, October 4, 2018, October 9, 2018, and November 5, 2018.

Duplicate samples for each of the five events were collected for SW-C1 (SW-DUP\_180905, SW-DUP\_180921, SW-DUP\_181004, SW-DUP\_181009, and SW-DUP\_181105).

If you have any questions, please contact me at (801) 204-2526 or Sharon Kozicki, of Foth Infrastructure & Environment, LLC, at (920) 496-6737.

Sincerely

Dave Cline  
President – Flambeau Mining Company

Enclosures

Mr. Dave Siebert  
Wisconsin DNR  
January 23, 2019  
Page 2

cc: Sharon Kozicki, Foth Infrastructure & Environment, LLC  
Kyle McLaughlin, WDNR  
Zoe C McManama, WDNR  
Al Christianson, City of Ladysmith (w/o enclosures)  
Pete Boss, Rusk Co. (w/o enclosures)  
Tom Riegel, Town of Grant (w/o enclosures)  
CeCe Tesky, Rusk Co. Zoning (w/o enclosures)

**Second Half of 2018**  
**Surface Water Analytical Data**

**Table 1**  
**Surface Water Analytical Summary**  
**Second Half of 2018**  
**Flambeau Mining Company**

	Location: Sample ID: Sample Date:	SW-C1					SW-C9					SW-C1				
		SW-C1_180905	SW-C1_180921	SW-C1_181004	SW-C1_181009	SW-C1_181105	SW-C9_180905	SW-C9_180921	SW-C9_181004	SW-C9_181009	SW-C9_181105	SW-DUP_180905	SW-DUP_180921	SW-DUP_181004	SW-DUP_181009	SW-DUP_181105
		9/5/2018	9/21/2018	10/4/2018	10/9/2018	11/5/2018	9/5/2018	9/21/2018	10/4/2018	10/9/2018	11/5/2018	9/5/2018	9/21/2018	10/4/2018	10/9/2018	11/5/2018
<b>Stream Flow</b>	<b>Units</b>															
	cfs	2.37	22.87	2.92	8.59	2.31	1.69	10.81	11.46	12.57	4.07	--	--	--	--	--
<b>Parameter</b>	<b>Units</b>															
Copper	µg/L	14.7	22.0	19.2	17.4	10.2	32.8	26.4	22.3	16.8	6.6	16.4	23.0	20.5	18.0	11.0
Dissolved Oxygen	mg/L	6.72	7.16	9.94	9.85	11.43	3.45	5.68	9.52	7.13	8.02	--	--	--	--	--
Hardness	mg/L	158	43.9 J	32.5	26.9	24.9	13.1	13.1	11.1	11.0	12.3	159	44.1	34.7	28.6	26.0
pH	s.u.	6.60	6.53	6.65	6.44	5.75	5.91	6.27	6.44	5.76	5.65	5.11	--	--	--	--
Redox Potential	mV	33.2	9.6	24.7	37.8	85.4	40.1	34	58.3	49.8	94.4	--	--	--	--	--
Specific Conductance	umhos/cm	180	188	156	121	55	145	127	106	65	29	--	--	--	--	--
Temperature	deg c	19.18	14.36	11.13	10.4	4.3	18.94	15.45	11.25	10.3	4.4	--	--	--	--	--
Total Suspended Solids	mg/L	4.0 J	1.4 J	1.4 J	2.0	2.0	6.6 J	3.6	2.0	1.8 J	1.0 J	4.0 J	1.0 J	1.6 J	1.6 J	2.0
Zinc	µg/L	29.6 J+	23.3 J+	20.6 J+	24.7 J+	20.5 J+	33.2 J+	20.3 J+	29.3 J+	39.1 J+	18.6 J+	37.6 J+	23.6 J+	23.5 J+	20.3 J+	20.9 J+

Notes:

- Stream Flow calculations were performed with Flowmaster program with the following assumptions: for C9 culvert (36" diameter concrete box (n=0.013) slope= 0.0083 ft/ft); for C1 culvert (60" with smooth interior (n=0.012), slope = 0.0106 ft/ft).

J: Estimated concentration at or above Limit of Detection and below the Limit of Quantitation.

J+: Result biased high due to detection of parameter in method blank.

cfs: cubic feet per second

µg/L: micrograms per liter

mg/L: milligrams per liter

s.u.: standard unit

mV: millivolts

umhos/cm: micromhos per centimeter

deg c: degrees Celsius

Prepared by: MCC2

Checked by: HLV

September 26, 2018

SHARON KOZICKI  
Foth Infrastructure & Environment, LLC  
2121 Innovation Court  
Suite 300  
De Pere, WI 54115

RE: Project: FLAMBEAU MINING CO.  
Pace Project No.: 40175691

Dear SHARON KOZICKI:

Enclosed are the analytical results for sample(s) received by the laboratory on September 13, 2018. 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,



Tod Noltemeyer  
tod.noltemeyer@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: MARK CIARDELLI, Foth Infrastructure & Environment,  
LLC



## REPORT OF LABORATORY ANALYSIS

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



## CERTIFICATIONS

Project: FLAMBEAU MINING CO.  
Pace Project No.: 40175691

---

### 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

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



### SAMPLE SUMMARY

Project: FLAMBEAU MINING CO.  
Pace Project No.: 40175691

---

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40175691001	SW-C1_180905	Water	09/05/18 15:30	09/13/18 09:05
40175691002	SW-DUP_180905	Water	09/05/18 16:30	09/13/18 09:05
40175691003	SW-C9_180905	Water	09/05/18 17:45	09/13/18 09:05

### REPORT OF LABORATORY ANALYSIS

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



### SAMPLE ANALYTE COUNT

Project: FLAMBEAU MINING CO.  
Pace Project No.: 40175691

---

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40175691001	SW-C1_180905	EPA 6020	KXS	3
		SM 2540D	KTS	1
40175691002	SW-DUP_180905	EPA 6020	KXS	3
		SM 2540D	KTS	1
40175691003	SW-C9_180905	EPA 6020	KXS	3
		SM 2540D	KTS	1

### REPORT OF LABORATORY ANALYSIS

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



## PROJECT NARRATIVE

Project: FLAMBEAU MINING CO.  
Pace Project No.: 40175691

---

**Method:** EPA 6020  
**Description:** 6020 MET ICPMS  
**Client:** FOTH INFRASTRUCTURE & ENVIRONMENT  
**Date:** September 26, 2018

### General Information:

3 samples were analyzed for EPA 6020. 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.

### Sample Preparation:

The samples were prepared in accordance with EPA 3010 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.

### Method Blank:

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

QC Batch: 300854

B: Analyte was detected in the associated method blank.

- BLANK for HBN 300854 [MPRP/186 (Lab ID: 1756932)]
- Zinc

### 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:

## REPORT OF LABORATORY ANALYSIS

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

## PROJECT NARRATIVE

Project: FLAMBEAU MINING CO.  
Pace Project No.: 40175691

---

**Method:** SM 2540D  
**Description:** 2540D Total Suspended Solids  
**Client:** FOTH INFRASTRUCTURE & ENVIRONMENT  
**Date:** September 26, 2018

### General Information:

3 samples were analyzed for SM 2540D. 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.

H3: Sample was received or analysis requested beyond the recognized method holding time.

- SW-C1\_180905 (Lab ID: 40175691001)
- SW-C9\_180905 (Lab ID: 40175691003)
- SW-DUP\_180905 (Lab ID: 40175691002)

### 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.

### Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

### Additional Comments:

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

## REPORT OF LABORATORY ANALYSIS

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



**ANALYTICAL RESULTS**

Project: FLAMBEAU MINING CO.  
 Pace Project No.: 40175691

Sample: SW-C1\_180905 Lab ID: 40175691001 Collected: 09/05/18 15:30 Received: 09/13/18 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Copper	<b>14.7</b>	ug/L	3.6	1.1	1	09/21/18 07:13	09/21/18 21:42	7440-50-8	
Total Hardness by 2340B	<b>158</b>	mg/L	5.0	0.15	1	09/21/18 07:13	09/21/18 21:42		
Zinc	<b>29.6</b>	ug/L	15.3	4.6	1	09/21/18 07:13	09/21/18 21:42	7440-66-6	B
<b>2540D Total Suspended Solids</b>		Analytical Method: SM 2540D							
Total Suspended Solids	<b>4.0</b>	mg/L	2.0	0.95	1		09/13/18 14:46		H3

**REPORT OF LABORATORY ANALYSIS**

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



**ANALYTICAL RESULTS**

Project: FLAMBEAU MINING CO.  
 Pace Project No.: 40175691

Sample: SW-DUP\_180905 Lab ID: 40175691002 Collected: 09/05/18 16:30 Received: 09/13/18 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Copper	<b>16.4</b>	ug/L	3.6	1.1	1	09/21/18 07:13	09/21/18 21:56	7440-50-8	
Total Hardness by 2340B	<b>159</b>	mg/L	5.0	0.15	1	09/21/18 07:13	09/21/18 21:56		
Zinc	<b>37.6</b>	ug/L	15.3	4.6	1	09/21/18 07:13	09/21/18 21:56	7440-66-6	B
<b>2540D Total Suspended Solids</b>		Analytical Method: SM 2540D							
Total Suspended Solids	<b>4.0</b>	mg/L	2.0	0.95	1		09/13/18 14:46		H3

**REPORT OF LABORATORY ANALYSIS**

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



**ANALYTICAL RESULTS**

Project: FLAMBEAU MINING CO.  
 Pace Project No.: 40175691

Sample: SW-C9\_180905 Lab ID: 40175691003 Collected: 09/05/18 17:45 Received: 09/13/18 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Copper	<b>32.8</b>	ug/L	3.6	1.1	1	09/21/18 07:13	09/21/18 22:03	7440-50-8	
Total Hardness by 2340B	<b>13.1</b>	mg/L	5.0	0.15	1	09/21/18 07:13	09/21/18 22:03		
Zinc	<b>33.2</b>	ug/L	15.3	4.6	1	09/21/18 07:13	09/21/18 22:03	7440-66-6	B
<b>2540D Total Suspended Solids</b>		Analytical Method: SM 2540D							
Total Suspended Solids	<b>6.6</b>	mg/L	2.0	0.95	1		09/13/18 14:46		H3

**REPORT OF LABORATORY ANALYSIS**

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

### QUALITY CONTROL DATA

Project: FLAMBEAU MINING CO.  
Pace Project No.: 40175691

QC Batch: 300854 Analysis Method: EPA 6020  
QC Batch Method: EPA 3010 Analysis Description: 6020 MET  
Associated Lab Samples: 40175691001, 40175691002, 40175691003

METHOD BLANK: 1756932 Matrix: Water  
Associated Lab Samples: 40175691001, 40175691002, 40175691003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<1.1	3.6	09/21/18 20:20	
Total Hardness by 2340B	mg/L	<0.15	5.0	09/21/18 20:20	
Zinc	ug/L	9.3J	15.3	09/21/18 20:20	

LABORATORY CONTROL SAMPLE: 1756933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	500	512	102	80-120	
Total Hardness by 2340B	mg/L		34.0			
Zinc	ug/L	500	524	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1756934 1756935

Parameter	Units	40174964001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result					
Copper	ug/L	0.0019J mg/L	500	482	500	494	96	98	75-125	3	20
Total Hardness by 2340B	mg/L	204		231		232				0	20
Zinc	ug/L	0.045 mg/L	500	536	500	561	98	103	75-125	5	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

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



**QUALITY CONTROL DATA**

Project: FLAMBEAU MINING CO.  
 Pace Project No.: 40175691

QC Batch: 300112 Analysis Method: SM 2540D  
 QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids  
 Associated Lab Samples: 40175691001, 40175691002, 40175691003

METHOD BLANK: 1752448 Matrix: Water  
 Associated Lab Samples: 40175691001, 40175691002, 40175691003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	09/13/18 14:45	

LABORATORY CONTROL SAMPLE: 1752449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	112	112	80-120	

SAMPLE DUPLICATE: 1752450

Parameter	Units	40175630004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	200	200	0	5	

SAMPLE DUPLICATE: 1752451

Parameter	Units	40175668001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	2910	2840	2	5	

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**

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

## QUALIFIERS

Project: FLAMBEAU MINING CO.  
Pace Project No.: 40175691

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.  
ND - Not Detected at or above LOD.  
J - Estimated concentration at or above the LOD and below the LOQ.  
LOD - Limit of Detection adjusted for dilution factor and percent moisture.  
LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.  
S - Surrogate  
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
SG - Silica Gel - Clean-Up  
U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.  
TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.  
H3 Sample was received or analysis requested beyond the recognized method holding time.

## REPORT OF LABORATORY ANALYSIS

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





### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FLAMBEAU MINING CO.  
Pace Project No.: 40175691

---

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40175691001	SW-C1_180905	EPA 3010	300854	EPA 6020	300935
40175691002	SW-DUP_180905	EPA 3010	300854	EPA 6020	300935
40175691003	SW-C9_180905	EPA 3010	300854	EPA 6020	300935
40175691001	SW-C1_180905	SM 2540D	300112		
40175691002	SW-DUP_180905	SM 2540D	300112		
40175691003	SW-C9_180905	SM 2540D	300112		

### REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: FORTH LUEDA & ENVIRON.  
 Branch/Location: DEPERE, WI  
 Project Contact: SHARON KOZICKI  
 Phone: 920-496-6737  
 Project Number: 920-496-6737  
 Project Name: FAMBRO MINING Co.  
 Project State: WI  
 Sampled By (Print): JIM ENGELHARDT  
 Sampled By (Sign): [Signature]  
 PO #: [Blank]  
 Regulatory Program: [Blank]

Data Package Options (billable):  
 EPA Level III  
 EPA Level IV  
 On your sample (billable)  
 NOT needed on your sample

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



# CHAIN OF CUSTODY

RESERVATION 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

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

40175691

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX	ANALYSES REQUESTED		Y/N	PICK LETTER	DATE/TIME	RECEIVED BY	DATE/TIME	RECEIVED BY	DATE/TIME	RECEIVED BY	DATE/TIME	RECEIVED BY	DATE/TIME
					TSS	METALS + HARDNESS											
001	SW-C1-180905	9/5/18	3:30	SW													
002	SW-DUP-180905	9/5/18	4:30	SW													
003	SW-C9-180905	9/5/18	5:45	SW													

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

Transmit Prelim Rush Results by (complete what you want):  
 Email #1: [Blank]  
 Email #2: [Blank]  
 Telephone: [Blank]  
 Fax: [Blank]

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

Relinquished By: [Signature] Date/Time: 9-12-18/7:00am  
 Relinquished By: [Signature] Date/Time: 9/13/18 0905  
 Relinquished By: [Blank] Date/Time: [Blank]  
 Relinquished By: [Blank] Date/Time: [Blank]

Received By: [Signature] Date/Time: 9/13/18 0905  
 Received By: [Signature] Date/Time: [Blank]  
 Received By: [Blank] Date/Time: [Blank]  
 Received By: [Blank] Date/Time: [Blank]

Quote #: [Blank]  
 Mail To Contact: SHARON KOZICKI  
 Mail To Company: FORTH LUEDA & ENVIRON.  
 Mail To Address: Z121 INNOVATION COURT DEPERE, WI 54115-5126  
 Invoice To Contact: SAME AS ABOVE  
 Invoice To Company: [Blank]  
 Invoice To Address: [Blank]  
 Invoice To Phone: [Blank]  
 CLIENT COMMENTS: None  
 LAB COMMENTS (Lab Use Only): [Blank]  
 Profile #: [Blank]

PACE Project No. 40175691  
 Receipt Temp = 3.5 °C  
 Sample Receipt pH OK / Adjusted  
 Collet Custody Seal Present / Not Present Intact / Not Intact

Client Name:

FOTH

Sample Preservation Receipt Form

Project # 40175691

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

Lab Lot# of pH paper: 1045281

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


Initial when completed: 5/26

Date/Time:

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	BP3C	BP3N	BP3S	DG9A								DG9T	VG9U	VG9H	VG9M	VG9D	JGFU
001																												2.5 / 5 / 10
002																												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																												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	SP5T	120 ml plastic Na Thiosulfate
AG1H	1 liter amber glass HCL	BP2N	500 ml plastic HNO3	DG9T	40 ml amber Na Thio	WGFU	4 oz clear jar unpres	ZPLC	ziploc bag
AG4S	125 ml amber glass H2SO4	BP2Z	500 ml plastic NaOH, Znact	VG9U	40 ml clear vial unpres	WPFU	4 oz plastic jar unpres	GN:	
AG4U	120 ml amber glass unpres	BP3U	250 ml plastic unpres	VG9H	40 ml clear vial HCL				
AG5U	100 ml amber glass unpres	BP3C	250 ml plastic NaOH	VG9M	40 ml clear vial MeOH				
AG2S	500 ml amber glass H2SO4	BP3N	250 ml plastic HNO3	VG9D	40 ml clear vial DI				
BG3U	250 ml clear glass unpres	BP3S	250 ml plastic H2SO4						

 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)**

Client Name: Fotn

Project # **WO# : 40175691**

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



Tracking #: 1830111-1

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 - 75    Type of Ice:  Wet  Blue  Dry  None

Samples on ice, cooling process has begun

Cooler Temperature    Uncorr: 3.5    /Corr: 3.5

Temp Blank Present:  yes  no

Biological Tissue is Frozen:  yes  no

Person examining contents:  
Date: 9/13/18  
Initials: SSA

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
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 type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes <input 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis    Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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: \_\_\_\_\_

Project Manager Review: DWR ADI TW    Date: 9/13/18



October 03, 2018

SHARON KOZICKI  
Foth Infrastructure & Environment, LLC  
2121 Innovation Court  
Suite 300  
De Pere, WI 54115

RE: Project: FLAMBEAU MINING CO  
Pace Project No.: 40176390

Dear SHARON KOZICKI:

Enclosed are the analytical results for sample(s) received by the laboratory on September 25, 2018. 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,

Tod Noltemeyer  
tod.noltemeyer@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: MARK CIARDELLI, Foth Infrastructure & Environment,  
LLC



### REPORT OF LABORATORY ANALYSIS

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



## CERTIFICATIONS

Project: FLAMBEAU MINING CO  
Pace Project No.: 40176390

---

### 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

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



### SAMPLE SUMMARY

Project: FLAMBEAU MINING CO  
Pace Project No.: 40176390

---

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40176390001	SW-C1_180921	Water	09/21/18 15:15	09/25/18 10:30
40176390002	SW-DUP_180921	Water	09/21/18 16:15	09/25/18 10:30
40176390003	SW-C9_180921	Water	09/21/18 17:15	09/25/18 10:30

### REPORT OF LABORATORY ANALYSIS

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



### SAMPLE ANALYTE COUNT

Project: FLAMBEAU MINING CO  
Pace Project No.: 40176390

---

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40176390001	SW-C1_180921	EPA 6020	KXS	3
		SM 2540D	TMK	1
40176390002	SW-DUP_180921	EPA 6020	KXS	3
		SM 2540D	TMK	1
40176390003	SW-C9_180921	EPA 6020	KXS	3
		SM 2540D	TMK	1

### REPORT OF LABORATORY ANALYSIS

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



## PROJECT NARRATIVE

Project: FLAMBEAU MINING CO  
Pace Project No.: 40176390

---

**Method:** EPA 6020  
**Description:** 6020 MET ICPMS  
**Client:** FOTH INFRASTRUCTURE & ENVIRONMENT  
**Date:** October 03, 2018

### General Information:

3 samples were analyzed for EPA 6020. 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.

### Sample Preparation:

The samples were prepared in accordance with EPA 3010 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.

### Method Blank:

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

QC Batch: 301676

- B: Analyte was detected in the associated method blank.
- BLANK for HBN 301676 [MPRP/186 (Lab ID: 1762553)]
  - Zinc

### 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:

## REPORT OF LABORATORY ANALYSIS

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

## PROJECT NARRATIVE

Project: FLAMBEAU MINING CO  
Pace Project No.: 40176390

---

**Method:** SM 2540D  
**Description:** 2540D Total Suspended Solids  
**Client:** FOTH INFRASTRUCTURE & ENVIRONMENT  
**Date:** October 03, 2018

### General Information:

3 samples were analyzed for SM 2540D. 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.

### 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.

### Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 301340

R1: RPD value was outside control limits.

- DUP (Lab ID: 1759942)
- Total Suspended Solids

### Additional Comments:

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

## REPORT OF LABORATORY ANALYSIS

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



**ANALYTICAL RESULTS**

Project: FLAMBEAU MINING CO  
 Pace Project No.: 40176390

Sample: SW-C1\_180921 Lab ID: 40176390001 Collected: 09/21/18 15:15 Received: 09/25/18 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Copper	<b>22.0</b>	ug/L	3.6	1.1	1	10/01/18 06:42	10/01/18 23:15	7440-50-8	
Total Hardness by 2340B	<b>43.9J</b>	mg/L	50.0	1.5	10	10/01/18 06:42	10/01/18 22:48		
Zinc	<b>23.3</b>	ug/L	15.3	4.6	1	10/01/18 06:42	10/01/18 23:15	7440-66-6	B
<b>2540D Total Suspended Solids</b>		Analytical Method: SM 2540D							
Total Suspended Solids	<b>1.4J</b>	mg/L	2.0	0.95	1		09/26/18 14:08		

**REPORT OF LABORATORY ANALYSIS**

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



**ANALYTICAL RESULTS**

Project: FLAMBEAU MINING CO  
 Pace Project No.: 40176390

Sample: SW-DUP\_180921 Lab ID: 40176390002 Collected: 09/21/18 16:15 Received: 09/25/18 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Copper	<b>23.0</b>	ug/L	3.6	1.1	1	10/01/18 06:42	10/01/18 23:56	7440-50-8	
Total Hardness by 2340B	<b>44.1</b>	mg/L	5.0	0.15	1	10/01/18 06:42	10/01/18 23:56		
Zinc	<b>23.6</b>	ug/L	15.3	4.6	1	10/01/18 06:42	10/01/18 23:56	7440-66-6	B
<b>2540D Total Suspended Solids</b>		Analytical Method: SM 2540D							
Total Suspended Solids	<b>1.0J</b>	mg/L	2.0	0.95	1		09/26/18 14:08		

**REPORT OF LABORATORY ANALYSIS**

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



**ANALYTICAL RESULTS**

Project: FLAMBEAU MINING CO  
 Pace Project No.: 40176390

Sample: SW-C9\_180921 Lab ID: 40176390003 Collected: 09/21/18 17:15 Received: 09/25/18 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Copper	<b>26.4</b>	ug/L	3.6	1.1	1	10/01/18 06:42	10/02/18 00:10	7440-50-8	
Total Hardness by 2340B	<b>13.1</b>	mg/L	5.0	0.15	1	10/01/18 06:42	10/02/18 00:10		
Zinc	<b>20.3</b>	ug/L	15.3	4.6	1	10/01/18 06:42	10/02/18 00:10	7440-66-6	B
<b>2540D Total Suspended Solids</b>		Analytical Method: SM 2540D							
Total Suspended Solids	<b>3.6</b>	mg/L	2.0	0.95	1		09/26/18 14:08		

**REPORT OF LABORATORY ANALYSIS**

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

### QUALITY CONTROL DATA

Project: FLAMBEAU MINING CO  
Pace Project No.: 40176390

QC Batch: 301676 Analysis Method: EPA 6020  
QC Batch Method: EPA 3010 Analysis Description: 6020 MET  
Associated Lab Samples: 40176390001, 40176390002, 40176390003

METHOD BLANK: 1762553 Matrix: Water  
Associated Lab Samples: 40176390001, 40176390002, 40176390003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<1.1	3.6	10/01/18 22:34	
Total Hardness by 2340B	mg/L	<0.15	5.0	10/01/18 22:34	
Zinc	ug/L	7.8J	15.3	10/01/18 22:34	

LABORATORY CONTROL SAMPLE: 1762554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	500	518	104	80-120	
Total Hardness by 2340B	mg/L		35.0			
Zinc	ug/L	500	502	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1762555 1762556

Parameter	Units	40176390001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
			Spike Conc.	MS Spike Conc.	MS Result	MSD Result					
Copper	ug/L	22.0	500	500	536	519	103	99	75-125	3	20
Total Hardness by 2340B	mg/L	43.9J			76.3	74.4				2	20
Zinc	ug/L	23.3	500	500	530	519	101	99	75-125	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

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

### QUALITY CONTROL DATA

Project: FLAMBEAU MINING CO  
Pace Project No.: 40176390

QC Batch: 301340 Analysis Method: SM 2540D  
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids  
Associated Lab Samples: 40176390001, 40176390002, 40176390003

METHOD BLANK: 1759940 Matrix: Water  
Associated Lab Samples: 40176390001, 40176390002, 40176390003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	09/26/18 14:07	

LABORATORY CONTROL SAMPLE: 1759941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	104	104	80-120	

SAMPLE DUPLICATE: 1759942

Parameter	Units	40176272001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	148	167	12	5	R1

SAMPLE DUPLICATE: 1759943

Parameter	Units	40176342001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	182	191	5	5	

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

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

## QUALIFIERS

Project: FLAMBEAU MINING CO  
Pace Project No.: 40176390

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.  
ND - Not Detected at or above LOD.  
J - Estimated concentration at or above the LOD and below the LOQ.  
LOD - Limit of Detection adjusted for dilution factor and percent moisture.  
LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.  
S - Surrogate  
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
SG - Silica Gel - Clean-Up  
U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.  
TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.  
R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

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





### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FLAMBEAU MINING CO  
Pace Project No.: 40176390

---

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40176390001	SW-C1_180921	EPA 3010	301676	EPA 6020	301796
40176390002	SW-DUP_180921	EPA 3010	301676	EPA 6020	301796
40176390003	SW-C9_180921	EPA 3010	301676	EPA 6020	301796
40176390001	SW-C1_180921	SM 2540D	301340		
40176390002	SW-DUP_180921	SM 2540D	301340		
40176390003	SW-C9_180921	SM 2540D	301340		

### REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)



www.paceabts.com

# CHAIN OF CUSTODY

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

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

Page 1 of 1  
 40176390

Company Name: **FORN LUBBER + ENVIRONMENTAL**  
 Branch/Location: **DEFEAR, WI**  
 Project Contact: **SHARON KOZICKI**  
 Phone: **920-496-6737**  
 Project Number:  
 Project Name: **FLAMBEAU MINING CO.**  
 Project State: **WI**  
 Sampled By (Print): **Jim ENNECHORDO**  
 Sampled By (Sign): *[Signature]*  
 PO #: **1492118**  
 Regulatory Program:

**Data Package Options**  
 EPA Level III  
 EPA Level IV  
 On your sample (billable)  
 NOT needed on your sample

**Matrix Codes**  
 A = Air B = Bids C = Charcoal D = Oil S = Soil SI = Sludge  
 W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WP = Waste Water

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
001	SW-C1-180921	9/21/18	3:15	SW
002	SW-DUP-180921	9/21/18	4:15	SW
003	SW-C9-180921	9/21/18	5:15	SW

FILTERED? (YES/NO)  
 PRESERVATION (CODE)

Y/N	Pick Label	ANALYSES REQUESTED
N	A	TSS
N	D	METALS + HARDWEAR

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)  
 Date Needed:  
 Transit Prelim Rush Results By (complete what you want):  
 Email #1:  
 Email #2:  
 Telephone #1:  
 Telephone #2:  
 Fax:

Relinquished By: *[Signature]* Date/Time: **9-21-18 / 9:15 AM**  
 Relinquished By: *[Signature]* Date/Time: **9/25/18 10:30**  
 Relinquished By: *[Signature]* Date/Time:

Received By: *[Signature]* Date/Time: **9/25/18 10:30**  
 Received By: *[Signature]* Date/Time: **9/25/18 10:30**  
 Received By: *[Signature]* Date/Time:

Quote #: **40176390**  
 Mail To Contact: **SHARON KOZICKI**  
 Mail To Company: **FORN LUBBER + ENVIRONMENTAL**  
 Mail To Address: **PO BOX 5726 DEFEAR, WI 54115-5726**  
 Invoice To Contact: **SOME AS ABOVE**  
 Invoice To Company:  
 Invoice To Address:  
 Invoice To Phone:  
 CLIENT COMMENTS: **None**  
 LAB COMMENTS (Lab Use Only):  
 Profile #

PACE Project No.: **40176390**  
 Receipt Temp = **3** °C  
 Sample Receipt pH: **OK / Adjusted**  
 Cooler Custody Seal Present / Not Present: **Intact / Not Intact**

### Sample Preservation Receipt Form

Client Name: Foth

Project # 40176390

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


Initial when completed: AS Date/Time:

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

Pace Lab #	Glass			Plastic			Vials			Jars		General		VOA Vials (>6mm) *				Volume (mL)														
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	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
001																																2.5 / 5 / 10
002																																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																																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


<b>AG1U</b> 1 liter amber glass <b>AG1H</b> 1 liter amber glass HCL <b>AG4S</b> 125 ml amber glass H2SO4 <b>AG4U</b> 120 ml amber glass unpres <b>AG5U</b> 100 ml amber glass unpres <b>AG2S</b> 500 ml amber glass H2SO4 <b>BG3U</b> 250 ml clear glass unpres	<b>BP1U</b> 1 liter plastic unpres <b>BP2N</b> 500 ml plastic HNO3 <b>BP2Z</b> 500 ml plastic NaOH, Znact <b>BP3U</b> 250 ml plastic unpres <b>BP3C</b> 250 ml plastic NaOH <b>BP3N</b> 250 ml plastic HNO3 <b>BP3S</b> 250 ml plastic H2SO4	<b>DG9A</b> 40 ml amber ascorbic <b>DG9T</b> 40 ml amber Na Thio <b>VG9U</b> 40 ml clear vial unpres <b>VG9H</b> 40 ml clear vial HCL <b>VG9M</b> 40 ml clear vial MeOH <b>VG9D</b> 40 ml clear vial DI	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><b>JGFU</b> 4 oz amber jar unpres</td> <td style="width: 50%;"><b>SP5T</b> 120 ml plastic Na Thiosulfate</td> </tr> <tr> <td><b>WGFU</b> 4 oz clear jar unpres</td> <td><b>ZPLC</b> ziploc bag</td> </tr> <tr> <td><b>WPFU</b> 4 oz plastic jar unpres</td> <td><b>GN:</b></td> </tr> </table>	<b>JGFU</b> 4 oz amber jar unpres	<b>SP5T</b> 120 ml plastic Na Thiosulfate	<b>WGFU</b> 4 oz clear jar unpres	<b>ZPLC</b> ziploc bag	<b>WPFU</b> 4 oz plastic jar unpres	<b>GN:</b>
<b>JGFU</b> 4 oz amber jar unpres	<b>SP5T</b> 120 ml plastic Na Thiosulfate								
<b>WGFU</b> 4 oz clear jar unpres	<b>ZPLC</b> ziploc bag								
<b>WPFU</b> 4 oz plastic jar unpres	<b>GN:</b>								

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

### Sample Condition Upon Receipt Form (SCUR)

**Client Name:** Fotn Project #: \_\_\_\_\_  
**Courier:**  CS Logistics  Fed Ex  Speedee  UPS  Walco  
 Client  Pace Other: \_\_\_\_\_  
**Tracking #:** 1Z E26 888 034995 7658  
**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 Shopping bags  
**Thermometer Used** SR-30    **Type of Ice:**  Wet  Blue  Dry  None  Samples on ice, cooling process has begun  
**Cooler Temperature**    Uncorr: 3    ICorr: 3

WO#: 40176390



40176390

**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: 9/25/18  
 Initials: [Signature]

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
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: _____
<b>Short Hold Time Analysis (&lt;72hr):</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
<b>Rush Turn Around Time Requested:</b>	<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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis    Matrix: _____		
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: \_\_\_\_\_

**Project Manager Review:** AL for TN    **Date:** 9/25/18



October 24, 2018

SHARON KOZICKI  
Foth Infrastructure & Environment, LLC  
2121 Innovation Court  
Suite 300  
De Pere, WI 54115

RE: Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177220

Dear SHARON KOZICKI:

Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 2018. 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,

Tod Noltemeyer  
tod.noltemeyer@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: MARK CIARDELLI, Foth Infrastructure & Environment,  
LLC



**REPORT OF LABORATORY ANALYSIS**

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



## CERTIFICATIONS

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177220

---

### 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

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



### SAMPLE SUMMARY

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177220

---

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40177220001	SW-C1_181004	Water	10/04/18 15:00	10/06/18 10:10
40177220002	SW-DUP_181004	Water	10/04/18 16:00	10/06/18 10:10
40177220003	SW-C9_181004	Water	10/04/18 17:00	10/06/18 10:10

### REPORT OF LABORATORY ANALYSIS

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



### SAMPLE ANALYTE COUNT

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177220

---

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40177220001	SW-C1_181004	EPA 6020	KXS	3
		SM 2540D	KTS	1
40177220002	SW-DUP_181004	EPA 6020	KXS	3
		SM 2540D	KTS	1
40177220003	SW-C9_181004	EPA 6020	KXS	3
		SM 2540D	KTS	1

### REPORT OF LABORATORY ANALYSIS

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



## PROJECT NARRATIVE

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177220

---

**Method:** EPA 6020  
**Description:** 6020 MET ICPMS  
**Client:** FOTH INFRASTRUCTURE & ENVIRONMENT  
**Date:** October 24, 2018

### General Information:

3 samples were analyzed for EPA 6020. 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.

### Sample Preparation:

The samples were prepared in accordance with EPA 3010 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.

### Method Blank:

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

QC Batch: 303315

- B: Analyte was detected in the associated method blank.
- BLANK for HBN 303315 [MPRP/187 (Lab ID: 1771572)
  - Zinc

### 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:

## REPORT OF LABORATORY ANALYSIS

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

## PROJECT NARRATIVE

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177220

---

**Method:** SM 2540D  
**Description:** 2540D Total Suspended Solids  
**Client:** FOTH INFRASTRUCTURE & ENVIRONMENT  
**Date:** October 24, 2018

### General Information:

3 samples were analyzed for SM 2540D. 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.

### 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.

### Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 302732

R1: RPD value was outside control limits.

- DUP (Lab ID: 1768189)
- Total Suspended Solids

### Additional Comments:

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

## REPORT OF LABORATORY ANALYSIS

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



**ANALYTICAL RESULTS**

Project: FLAMBEAU MINING COMPANY  
 Pace Project No.: 40177220

Sample: SW-C1\_181004 Lab ID: 40177220001 Collected: 10/04/18 15:00 Received: 10/06/18 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Copper	<b>19.2</b>	ug/L	3.6	1.1	1	10/16/18 08:36	10/23/18 06:42	7440-50-8	
Total Hardness by 2340B	<b>32.5</b>	mg/L	5.0	0.15	1	10/16/18 08:36	10/23/18 06:42		
Zinc	<b>20.6</b>	ug/L	15.3	4.6	1	10/16/18 08:36	10/23/18 19:48	7440-66-6	B
<b>2540D Total Suspended Solids</b>	Analytical Method: SM 2540D								
Total Suspended Solids	<b>1.4J</b>	mg/L	2.0	0.95	1		10/10/18 12:07		

**REPORT OF LABORATORY ANALYSIS**

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



**ANALYTICAL RESULTS**

Project: FLAMBEAU MINING COMPANY  
 Pace Project No.: 40177220

Sample: SW-DUP\_181004 Lab ID: 40177220002 Collected: 10/04/18 16:00 Received: 10/06/18 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Copper	<b>20.5</b>	ug/L	3.6	1.1	1	10/16/18 08:36	10/23/18 07:15	7440-50-8	
Total Hardness by 2340B	<b>34.7</b>	mg/L	5.0	0.15	1	10/16/18 08:36	10/23/18 07:15		
Zinc	<b>23.5</b>	ug/L	15.3	4.6	1	10/16/18 08:36	10/23/18 20:15	7440-66-6	B
<b>2540D Total Suspended Solids</b>		Analytical Method: SM 2540D							
Total Suspended Solids	<b>1.6J</b>	mg/L	2.0	0.95	1		10/10/18 12:07		

**REPORT OF LABORATORY ANALYSIS**

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



**ANALYTICAL RESULTS**

Project: FLAMBEAU MINING COMPANY  
 Pace Project No.: 40177220

Sample: SW-C9\_181004 Lab ID: 40177220003 Collected: 10/04/18 17:00 Received: 10/06/18 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Copper	22.3	ug/L	3.6	1.1	1	10/16/18 08:36	10/23/18 07:29	7440-50-8	
Total Hardness by 2340B	11.1	mg/L	5.0	0.15	1	10/16/18 08:36	10/23/18 07:29		
Zinc	29.3	ug/L	15.3	4.6	1	10/16/18 08:36	10/23/18 20:29	7440-66-6	B
<b>2540D Total Suspended Solids</b>		Analytical Method: SM 2540D							
Total Suspended Solids	2.0	mg/L	2.0	0.95	1		10/10/18 12:07		

**REPORT OF LABORATORY ANALYSIS**

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



**QUALITY CONTROL DATA**

Project: FLAMBEAU MINING COMPANY  
 Pace Project No.: 40177220

QC Batch: 303315 Analysis Method: EPA 6020  
 QC Batch Method: EPA 3010 Analysis Description: 6020 MET  
 Associated Lab Samples: 40177220001, 40177220002, 40177220003

METHOD BLANK: 1771572 Matrix: Water  
 Associated Lab Samples: 40177220001, 40177220002, 40177220003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<1.1	3.6	10/23/18 06:29	
Total Hardness by 2340B	mg/L	<0.15	5.0	10/23/18 06:29	
Zinc	ug/L	8.8J	15.3	10/23/18 19:34	

LABORATORY CONTROL SAMPLE: 1771573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	500	476	95	80-120	
Total Hardness by 2340B	mg/L		33.8			
Zinc	ug/L	500	478	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1771574 1771575

Parameter	Units	40177220001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
			Spike Conc.	MS Spike Conc.	MSD Spike Conc.	MS Result					
Copper	ug/L	19.2	500	500	491	489	94	94	75-125	0	20
Total Hardness by 2340B	mg/L	32.5			67.8	67.6				0	20
Zinc	ug/L	20.6	500	500	480	481	92	92	75-125	0	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**

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



**QUALITY CONTROL DATA**

Project: FLAMBEAU MINING COMPANY  
 Pace Project No.: 40177220

QC Batch: 302732 Analysis Method: SM 2540D  
 QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids  
 Associated Lab Samples: 40177220001, 40177220002, 40177220003

METHOD BLANK: 1768186 Matrix: Water  
 Associated Lab Samples: 40177220001, 40177220002, 40177220003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	10/10/18 12:06	

LABORATORY CONTROL SAMPLE: 1768187

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	88.0	88	80-120	

SAMPLE DUPLICATE: 1768188

Parameter	Units	40177250001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	80.0	83.3	4	5	

SAMPLE DUPLICATE: 1768189

Parameter	Units	40177289001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	3.4	4.2	21	5	R1

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**

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

## QUALIFIERS

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177220

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.  
ND - Not Detected at or above LOD.  
J - Estimated concentration at or above the LOD and below the LOQ.  
LOD - Limit of Detection adjusted for dilution factor and percent moisture.  
LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.  
S - Surrogate  
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
SG - Silica Gel - Clean-Up  
U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.  
TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.  
R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

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





### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177220

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40177220001	SW-C1_181004	EPA 3010	303315	EPA 6020	303381
40177220002	SW-DUP_181004	EPA 3010	303315	EPA 6020	303381
40177220003	SW-C9_181004	EPA 3010	303315	EPA 6020	303381
40177220001	SW-C1_181004	SM 2540D	302732		
40177220002	SW-DUP_181004	SM 2540D	302732		
40177220003	SW-C9_181004	SM 2540D	302732		

### REPORT OF LABORATORY ANALYSIS

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



Client Name: Felt

Sample Preservation Receipt Form

Project # 40177220

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


Initial when completed: SK Date/Time:

Lab Lot# of pH paper: 20150781 Lab Std #ID of preservation (if pH adjusted):

Page 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)
001	AG1U											2.5 / 5 / 10
002	AG1H											2.5 / 5 / 10
003	AG4S											2.5 / 5 / 10
004	AG4U											2.5 / 5 / 10
005	AG5U											2.5 / 5 / 10
006	AG2S											2.5 / 5 / 10
007	BG3U											2.5 / 5 / 10
008	BP1U											2.5 / 5 / 10
009	BP2N											2.5 / 5 / 10
010	BP2Z											2.5 / 5 / 10
011	BP3U											2.5 / 5 / 10
012	BP3C											2.5 / 5 / 10
013	BP3N											2.5 / 5 / 10
014	BP3S											2.5 / 5 / 10
015	DG9A											2.5 / 5 / 10
016	DG9T											2.5 / 5 / 10
017	VG9U											2.5 / 5 / 10
018	VG9H											2.5 / 5 / 10
019	VG9M											2.5 / 5 / 10
020	VG9D											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	BP1U	DG9A	JGFU
1 liter amber glass	1 liter plastic unpres	40 ml amber ascorbic	4 oz amber jar unpres
AG1H	BP2N	DG9T	WGFU
1 liter amber glass HCL	500 ml plastic HNO3	40 ml amber Na Thio	4 oz clear jar unpres
AG4S	BP2Z	VG9U	WPFU
125 ml amber glass H2SO4	500 ml plastic NaOH, Znact	40 ml clear vial unpres	4 oz plastic jar unpres
AG4U	BP3U	VG9H	
120 ml amber glass unpres	250 ml plastic unpres	40 ml clear vial HCL	
AG5U	BP3C	VG9M	SP5T
100 ml amber glass unpres	250 ml plastic NaOH	40 ml clear vial MeOH	120 ml plastic Na Thiosulfate
AG2S	BP3N	VG9D	ZPLC
500 ml amber glass H2SO4	250 ml plastic HNO3	40 ml clear vial DI	ziploc bag
BG3U	BP3S		GN:
250 ml clear glass unpres	250 ml plastic H2SO4		

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

### Sample Condition Upon Receipt Form (SCUR)

**Client Name:** Foth      **Project #** **WO#: 40177220**  
**Courier:**  CS Logistics  Fed Ex  Speedee  UPS  Walto  
 Client  Pace Other: \_\_\_\_\_  
**Tracking #:** 13 26 888 444 6751  
**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 - 75    **Type of Ice:**  Dry  Blue  None     Samples on ice, cooling process has begun  
**Cooler Temperature**    Uncorr: 1    ICorr: 1  
**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.



<b>Person examining contents:</b> Date: <u>10/6/18</u> Initials: <u>SSM</u>
---

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>Pro H</u> <u>SSM 10/6/18</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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis    Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Project Manager Review:** AL EV TN      **Date:** 10/6/18



October 24, 2018

SHARON KOZICKI  
Foth Infrastructure & Environment, LLC  
2121 Innovation Court  
Suite 300  
De Pere, WI 54115

RE: Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177475

Dear SHARON KOZICKI:

Enclosed are the analytical results for sample(s) received by the laboratory on October 11, 2018. 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,

Tod Noltemeyer  
tod.noltemeyer@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: MARK CIARDELLI, Foth Infrastructure & Environment,  
LLC



**REPORT OF LABORATORY ANALYSIS**

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



## CERTIFICATIONS

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177475

---

### 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

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



### SAMPLE SUMMARY

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177475

---

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40177475001	SW-C1_181009	Water	10/09/18 15:00	10/11/18 10:05
40177475002	SW-DUP_181009	Water	10/09/18 15:30	10/11/18 10:05
40177475003	SW-C9_181009	Water	10/09/18 16:30	10/11/18 10:05

### REPORT OF LABORATORY ANALYSIS

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



### SAMPLE ANALYTE COUNT

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177475

---

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40177475001	SW-C1_181009	EPA 6020	KXS	3
		SM 2540D	KTS	1
40177475002	SW-DUP_181009	EPA 6020	KXS	3
		SM 2540D	KTS	1
40177475003	SW-C9_181009	EPA 6020	KXS	3
		SM 2540D	KTS	1

### REPORT OF LABORATORY ANALYSIS

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



## PROJECT NARRATIVE

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177475

---

**Method:** EPA 6020  
**Description:** 6020 MET ICPMS  
**Client:** FOTH INFRASTRUCTURE & ENVIRONMENT  
**Date:** October 24, 2018

### General Information:

3 samples were analyzed for EPA 6020. 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.

### Sample Preparation:

The samples were prepared in accordance with EPA 3010 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.

### Method Blank:

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

QC Batch: 303315

B: Analyte was detected in the associated method blank.

- BLANK for HBN 303315 [MPRP/187 (Lab ID: 1771572)]
- Zinc

### 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:

## REPORT OF LABORATORY ANALYSIS

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

## PROJECT NARRATIVE

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177475

---

**Method:** SM 2540D  
**Description:** 2540D Total Suspended Solids  
**Client:** FOTH INFRASTRUCTURE & ENVIRONMENT  
**Date:** October 24, 2018

### General Information:

3 samples were analyzed for SM 2540D. 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.

### 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.

### Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 303325

R1: RPD value was outside control limits.

- DUP (Lab ID: 1771638)
- Total Suspended Solids

### Additional Comments:

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

## REPORT OF LABORATORY ANALYSIS

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



**ANALYTICAL RESULTS**

Project: FLAMBEAU MINING COMPANY  
 Pace Project No.: 40177475

Sample: SW-C1\_181009 Lab ID: 40177475001 Collected: 10/09/18 15:00 Received: 10/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Copper	17.4	ug/L	3.6	1.1	1	10/16/18 08:36	10/23/18 07:36	7440-50-8	
Total Hardness by 2340B	26.9	mg/L	5.0	0.15	1	10/16/18 08:36	10/23/18 07:36		
Zinc	24.7	ug/L	15.3	4.6	1	10/16/18 08:36	10/23/18 20:36	7440-66-6	B
<b>2540D Total Suspended Solids</b>		Analytical Method: SM 2540D							
Total Suspended Solids	2.0	mg/L	2.0	0.95	1		10/16/18 10:31		

**REPORT OF LABORATORY ANALYSIS**

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



**ANALYTICAL RESULTS**

Project: FLAMBEAU MINING COMPANY  
 Pace Project No.: 40177475

Sample: SW-DUP\_181009 Lab ID: 40177475002 Collected: 10/09/18 15:30 Received: 10/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Copper	<b>18.0</b>	ug/L	3.6	1.1	1	10/16/18 08:36	10/23/18 07:56	7440-50-8	
Total Hardness by 2340B	<b>28.6</b>	mg/L	5.0	0.15	1	10/16/18 08:36	10/23/18 07:56		
Zinc	<b>20.3</b>	ug/L	15.3	4.6	1	10/16/18 08:36	10/23/18 20:56	7440-66-6	B
<b>2540D Total Suspended Solids</b>		Analytical Method: SM 2540D							
Total Suspended Solids	<b>1.6J</b>	mg/L	2.0	0.95	1		10/16/18 10:31		

**REPORT OF LABORATORY ANALYSIS**

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



**ANALYTICAL RESULTS**

Project: FLAMBEAU MINING COMPANY  
 Pace Project No.: 40177475

Sample: SW-C9\_181009 Lab ID: 40177475003 Collected: 10/09/18 16:30 Received: 10/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Copper	<b>16.8</b>	ug/L	3.6	1.1	1	10/16/18 08:36	10/23/18 08:03	7440-50-8	
Total Hardness by 2340B	<b>11.0</b>	mg/L	5.0	0.15	1	10/16/18 08:36	10/23/18 08:03		
Zinc	<b>39.1</b>	ug/L	15.3	4.6	1	10/16/18 08:36	10/23/18 21:03	7440-66-6	B
<b>2540D Total Suspended Solids</b>		Analytical Method: SM 2540D							
Total Suspended Solids	<b>1.8J</b>	mg/L	2.0	0.95	1		10/16/18 10:31		

**REPORT OF LABORATORY ANALYSIS**

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



**QUALITY CONTROL DATA**

Project: FLAMBEAU MINING COMPANY  
 Pace Project No.: 40177475

QC Batch: 303315 Analysis Method: EPA 6020  
 QC Batch Method: EPA 3010 Analysis Description: 6020 MET  
 Associated Lab Samples: 40177475001, 40177475002, 40177475003

METHOD BLANK: 1771572 Matrix: Water  
 Associated Lab Samples: 40177475001, 40177475002, 40177475003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<1.1	3.6	10/23/18 06:29	
Total Hardness by 2340B	mg/L	<0.15	5.0	10/23/18 06:29	
Zinc	ug/L	8.8J	15.3	10/23/18 19:34	

LABORATORY CONTROL SAMPLE: 1771573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	500	476	95	80-120	
Total Hardness by 2340B	mg/L		33.8			
Zinc	ug/L	500	478	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1771574 1771575

Parameter	Units	40177220001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result					
Copper	ug/L	19.2	500	491	489	94	94	75-125	0	20	
Total Hardness by 2340B	mg/L	32.5		67.8	67.6				0	20	
Zinc	ug/L	20.6	500	480	481	92	92	75-125	0	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**

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



**QUALITY CONTROL DATA**

Project: FLAMBEAU MINING COMPANY  
 Pace Project No.: 40177475

QC Batch: 303325 Analysis Method: SM 2540D  
 QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids  
 Associated Lab Samples: 40177475001, 40177475002, 40177475003

METHOD BLANK: 1771635 Matrix: Water  
 Associated Lab Samples: 40177475001, 40177475002, 40177475003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	10/16/18 10:31	

LABORATORY CONTROL SAMPLE: 1771636

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	102	102	80-120	

SAMPLE DUPLICATE: 1771637

Parameter	Units	40177484001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	2480	2470	0	5	

SAMPLE DUPLICATE: 1771638

Parameter	Units	40177489002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	187	220	16	5	R1

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**

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

## QUALIFIERS

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177475

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.  
ND - Not Detected at or above LOD.  
J - Estimated concentration at or above the LOD and below the LOQ.  
LOD - Limit of Detection adjusted for dilution factor and percent moisture.  
LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.  
S - Surrogate  
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
SG - Silica Gel - Clean-Up  
U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.  
TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.  
R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

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





### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40177475

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40177475001	SW-C1_181009	EPA 3010	303315	EPA 6020	303381
40177475002	SW-DUP_181009	EPA 3010	303315	EPA 6020	303381
40177475003	SW-C9_181009	EPA 3010	303315	EPA 6020	303381
40177475001	SW-C1_181009	SM 2540D	303325		
40177475002	SW-DUP_181009	SM 2540D	303325		
40177475003	SW-C9_181009	SM 2540D	303325		

### REPORT OF LABORATORY ANALYSIS

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

**CHAIN-OF-CUSTODY Analytical Request Document**

LAB USE ONLY - Affix Workorder/Login Label Here or List Pace Workorder Number or MTL Log-in Number Here

**ALL SHADED AREAS are for LAB USE ONLY**

Company: FOTH Infrastructure and Environment

Billing Information: Same

Address: 2121 Innovation Drive  
De Pere, WI 54115-5126

Report To: Sharon Kozicki

Email To: Sharon Kozicki

Copy To: NA

Site Collection Info/Address:  
Former Flambeau Mine, Ladysmith, WI

Customer Project Name/Number:  
**Flambeau Mining Company**

State: WI / RUSK  
County/City: [ ] PT [ ] MT [ ] CT [ ] VT

Phone: 920-496-6737

Site/Facility ID #: FMC Surface Water Monitoring

Compliance Monitoring? [ ] Yes [ ] No

Email: Sharon.Kozicki@Foth.com

Purchase Order #:

DW PWS ID #:

Collected By (Print): Jim Engelhardt

Quote #:

DW Location Code:

Collected By (Signature): *[Signature]*

Turnaround Date Required:

Immediately Packed on Ice: [ ] Yes [ ] No

Sample Disposal: [ ] Dispose as appropriate [ ] Return

Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day

Field Filtered (if applicable): [ ] Yes [ ] No

[ ] Archive: [ ] Hold:

Analysis: [ ] Yes [ ] No

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (S), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Time	Composite End Date	Time	Res CI	# of Chns
SW-C1_181009	OT/Surface Water	Grab	10-9-2018	3:00 pm				
SW-DUP_181009	OT/Surface Water	Grab	10-9-2018	3:30 pm				
SW-C9_181009	OT/Surface Water	Grab	10-9-2018	4:30 pm				

Total Suspended Solids  
Metals & Hardness

Container Preservative Type \*\*  
U 1  
\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Lab Profile/Line:  
Lab Sample Receipt Checklist:  
Custody seals present/Intact Y N NA  
Custody Signatures Present Y N NA  
Collector Signatures Present Y N NA  
Bottles Intact Y N NA  
Correct Bottles Y N NA  
Sufficient Volume Y N NA  
Samples Received on Ice Y N NA  
VOA - Headspace Acceptable Y N NA  
USDA Regulated Solids/Residual Chlorine Present Y N NA  
Ci Strips: Y N NA  
Sample pH Acceptable Y N NA  
pH Strips: Y N NA  
Sulfide Present Y N NA  
Lead Acetate Strips: Y N NA

LAB USE ONLY:  
Lab Sample # / Comments:  
*See SLIC 10/11/18*

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

SHORT HOLDS PRESENT (42Z hours): Y N N/A

Lab Sample Temperature Info:  
Temp Blank Received: Y N NA  
Therm ID#: \_\_\_\_\_  
Cooler 1 Temp Upon Receipt: \_\_\_\_\_  
Cooler 1 Therm Corr. Factor: \_\_\_\_\_  
Cooler 1 Corrected Temp: \_\_\_\_\_  
Comments: \_\_\_\_\_

Relinquished by/Company: (Signature)

Date/Time: 10-10-2018/12:30 pm

Received by/Company: (Signature)

Date/Time: 10/11/18 12:35

Relinquished by/Company: (Signature)

Received by/Company: (Signature)

Relinquished by/Company: (Signature)

Date/Time: 10/11/18 10:05

Received by/Company: (Signature)

Date/Time: 10/11/18 12:35

Relinquished by/Company: (Signature)

Received by/Company: (Signature)

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Relinquished by/Company: (Signature)

Received by/Company: (Signature)

**Sample Preservation Receipt Form**

Pace Analytical Services, LLC  
1241 Bellevue Street, Suite 209  
Green Bay, WI 54302

Client Name: Fork

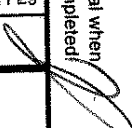
Project # 40177475

Date/Time: 10/11/18

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

Lab Lot# of pH paper: 1250781

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 ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001												2.5 / 5 / 10
002												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												2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRQ, Phenolics, Other:

Headspace in VOA Vials (>6mm) :  Yes  No  N/A \*If yes look in headspace column

AG1U	BP1U	DG9A	JGFU
1 liter amber glass	1 liter plastic unpres	40 mL amber ascorbic	4 oz amber jar unpres
AG1H	BP2N	DG9T	WGFU
1 liter amber glass HCl	500 mL plastic HNO3	40 mL amber Na Thio	4 oz clear jar unpres
AG4S	BP2Z	VG9U	WPFU
125 mL amber glass H2SO4	500 mL plastic NaOH, Znact	40 mL clear vial unpres	4 oz plastic jar unpres
AG4U	BP3U	VG9H	
120 mL amber glass unpres	250 mL plastic unpres	40 mL clear vial HCl	
AG5U	BP3C	VG9M	SPST
100 mL amber glass unpres	250 mL plastic NaOH	40 mL clear vial MeOH	120 mL plastic Na Thiosulfate
AG2S	BP3N	VG9D	ZPLC
500 mL amber glass H2SO4	250 mL plastic HNO3	40 mL clear vial DI	ziploc bag
BG3U	BP3S		GN:
250 mL clear glass unpres	250 mL plastic H2SO4		

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


### Sample Condition Upon Receipt Form (SCUR)

**Client Name:** 10/11/18 Foth  
**Courier:**  CS Logistics  Fed Ex  Speedee  UPS  Walto  
 Client  Pace Other: \_\_\_\_\_  
**Tracking #:** 1Z 92C 885 01 9250 2851  
**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 - 71    **Type of Ice:** Wet Blue Dry None  Samples on ice, cooling process has begun  
**Cooler Temperature**    Uncorr: 2 / ICorr: 2  
**Temp Blank Present:**  yes  no    **Biological Tissue is Frozen:**  yes  no

**Person examining contents:**  
 Date: 10/11/18  
 Initials: \_\_\_\_\_

Project #:

WO#: 40177475



40177475

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>neg #</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>protec</u>
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:
<b>Short Hold Time Analysis (&lt;72hr):</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
<b>Rush Turn Around Time Requested:</b>	<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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis    Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input 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: \_\_\_\_\_

Project Manager Review: Rover for TW    Date: 10/11/18



November 26, 2018

Nick Glander  
Foth Infrastructure & Environment, LLC  
2121 Innovation Court  
Suite 300  
De Pere, WI 54115

RE: Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40179261

Dear Nick Glander:

Enclosed are the analytical results for sample(s) received by the laboratory on November 08, 2018. 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,

Tod Noltemeyer  
tod.noltemeyer@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: MARK CIARDELLI, Foth Infrastructure & Environment,  
LLC  
SHARON KOZICKI, Foth Infrastructure & Environment,  
LLC



### REPORT OF LABORATORY ANALYSIS

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



## CERTIFICATIONS

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40179261

---

### 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

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



### SAMPLE SUMMARY

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40179261

---

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40179261001	SW-C1_181105	Water	11/05/18 15:00	11/08/18 11:05
40179261002	SW-DUP_181105	Water	11/05/18 15:30	11/08/18 11:05
40179261003	SW-C9_181105	Water	11/05/18 17:00	11/08/18 11:05

### REPORT OF LABORATORY ANALYSIS

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



### SAMPLE ANALYTE COUNT

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40179261

---

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40179261001	SW-C1_181105	EPA 6020	KXS	3
		SM 2540D	KTS	1
40179261002	SW-DUP_181105	EPA 6020	KXS	3
		SM 2540D	KTS	1
40179261003	SW-C9_181105	EPA 6020	KXS	3
		SM 2540D	KTS	1

### REPORT OF LABORATORY ANALYSIS

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



## PROJECT NARRATIVE

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40179261

---

**Method:** EPA 6020  
**Description:** 6020 MET ICPMS  
**Client:** FOTH INFRASTRUCTURE & ENVIRONMENT  
**Date:** November 26, 2018

### General Information:

3 samples were analyzed for EPA 6020. 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.

### Sample Preparation:

The samples were prepared in accordance with EPA 3010 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.

### Method Blank:

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

QC Batch: 306476

B: Analyte was detected in the associated method blank.

- BLANK for HBN 306476 [MPRP/190 (Lab ID: 1792458)]
- Zinc

### 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:

## REPORT OF LABORATORY ANALYSIS

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

## PROJECT NARRATIVE

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40179261

---

**Method:** SM 2540D  
**Description:** 2540D Total Suspended Solids  
**Client:** FOTH INFRASTRUCTURE & ENVIRONMENT  
**Date:** November 26, 2018

**General Information:**

3 samples were analyzed for SM 2540D. 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.

**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.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

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

## REPORT OF LABORATORY ANALYSIS

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



**ANALYTICAL RESULTS**

Project: FLAMBEAU MINING COMPANY  
 Pace Project No.: 40179261

Sample: SW-C1\_181105 Lab ID: 40179261001 Collected: 11/05/18 15:00 Received: 11/08/18 11:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Copper	<b>10.2</b>	ug/L	3.6	1.1	1	11/14/18 06:36	11/20/18 09:17	7440-50-8	
Total Hardness by 2340B	<b>24.9</b>	mg/L	5.0	0.15	1	11/14/18 06:36	11/20/18 09:17		
Zinc	<b>20.5</b>	ug/L	15.3	4.6	1	11/14/18 06:36	11/20/18 09:17	7440-66-6	B
<b>2540D Total Suspended Solids</b>	Analytical Method: SM 2540D								
Total Suspended Solids	<b>2.0</b>	mg/L	2.0	0.95	1		11/08/18 18:15		

**REPORT OF LABORATORY ANALYSIS**

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



**ANALYTICAL RESULTS**

Project: FLAMBEAU MINING COMPANY  
 Pace Project No.: 40179261

Sample: SW-DUP\_181105 Lab ID: 40179261002 Collected: 11/05/18 15:30 Received: 11/08/18 11:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Copper	11.0	ug/L	3.6	1.1	1	11/14/18 06:36	11/20/18 09:24	7440-50-8	
Total Hardness by 2340B	26.0	mg/L	5.0	0.15	1	11/14/18 06:36	11/20/18 09:24		
Zinc	20.9	ug/L	15.3	4.6	1	11/14/18 06:36	11/20/18 09:24	7440-66-6	B
<b>2540D Total Suspended Solids</b>		Analytical Method: SM 2540D							
Total Suspended Solids	2.0	mg/L	2.0	0.95	1		11/08/18 18:16		

**REPORT OF LABORATORY ANALYSIS**

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



**ANALYTICAL RESULTS**

Project: FLAMBEAU MINING COMPANY  
 Pace Project No.: 40179261

Sample: SW-C9\_181105 Lab ID: 40179261003 Collected: 11/05/18 17:00 Received: 11/08/18 11:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Copper	<b>6.6</b>	ug/L	3.6	1.1	1	11/14/18 06:36	11/20/18 09:31	7440-50-8	
Total Hardness by 2340B	<b>12.3</b>	mg/L	5.0	0.15	1	11/14/18 06:36	11/20/18 09:31		
Zinc	<b>18.6</b>	ug/L	15.3	4.6	1	11/14/18 06:36	11/20/18 09:31	7440-66-6	B
<b>2540D Total Suspended Solids</b>		Analytical Method: SM 2540D							
Total Suspended Solids	<b>1.0J</b>	mg/L	2.0	0.95	1		11/08/18 18:16		

**REPORT OF LABORATORY ANALYSIS**

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

### QUALITY CONTROL DATA

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40179261

QC Batch: 306476 Analysis Method: EPA 6020  
QC Batch Method: EPA 3010 Analysis Description: 6020 MET  
Associated Lab Samples: 40179261001, 40179261002, 40179261003

METHOD BLANK: 1792458 Matrix: Water  
Associated Lab Samples: 40179261001, 40179261002, 40179261003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<1.1	3.6	11/20/18 07:14	
Total Hardness by 2340B	mg/L	<0.15	5.0	11/21/18 05:05	
Zinc	ug/L	5.7J	15.3	11/20/18 07:14	

LABORATORY CONTROL SAMPLE: 1792459

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	500	483	97	80-120	
Total Hardness by 2340B	mg/L		34.2			
Zinc	ug/L	500	506	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1792460 1792461

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40178919002 Result	Spike Conc.	Spike Conc.	MS Result						
Copper	ug/L	9.6	500	500	470	473	92	93	75-125	1	20
Total Hardness by 2340B	mg/L	217			255	248				3	20
Zinc	ug/L	56.0	500	500	542	547	97	98	75-125	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

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

### QUALITY CONTROL DATA

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40179261

QC Batch: 305990 Analysis Method: SM 2540D  
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids  
Associated Lab Samples: 40179261001, 40179261002, 40179261003

METHOD BLANK: 1788789 Matrix: Water  
Associated Lab Samples: 40179261001, 40179261002, 40179261003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	11/08/18 18:15	

LABORATORY CONTROL SAMPLE: 1788790

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	100	100	80-120	

SAMPLE DUPLICATE: 1788791

Parameter	Units	40179261001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	2.0	2.0	0	5	

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

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

## QUALIFIERS

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40179261

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.  
ND - Not Detected at or above LOD.  
J - Estimated concentration at or above the LOD and below the LOQ.  
LOD - Limit of Detection adjusted for dilution factor and percent moisture.  
LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.  
S - Surrogate  
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
SG - Silica Gel - Clean-Up  
U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.  
TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

## REPORT OF LABORATORY ANALYSIS

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





### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FLAMBEAU MINING COMPANY  
Pace Project No.: 40179261


Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40179261001	SW-C1_181105	EPA 3010	306476	EPA 6020	306619
40179261002	SW-DUP_181105	EPA 3010	306476	EPA 6020	306619
40179261003	SW-C9_181105	EPA 3010	306476	EPA 6020	306619
40179261001	SW-C1_181105	SM 2540D	305990		
40179261002	SW-DUP_181105	SM 2540D	305990		
40179261003	SW-C9_181105	SM 2540D	305990		

### REPORT OF LABORATORY ANALYSIS

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





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

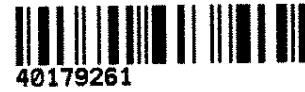
### Sample Condition Upon Receipt Form (SCUR)

Project #: \_\_\_\_\_

Client Name: FOTIT

WO#: **40179261**

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walco  
 Client  Pace Other: \_\_\_\_\_



Tracking #: 1Z E 26 988 01 9731 7429

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-111-77 Type of Ice:  Wet  Blue Dry None

Cooler Temperature Uncorr: 2.5 / Corr: 2.5

Samples on ice, cooling process has begun

Temp Blank Present:  yes  no

Biological Tissue is Frozen:  yes  no

Person examining contents:  
Date: 11/8/18  
Initials: jm

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:	For Analysis: <input type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>w</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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: \_\_\_\_\_

Project Manager Review: Kerr for TW

Date: 11/8/18