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July 9, 2019

Pablo Valentin
United States Environmental Protection Agency
Region 5
Ralph Metcalfe Federal Building
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Via Email: valentin.pablo@epa.gov

RE: 2019 Floodplain Worm Sampling Report

Sheboygan River and Harbor Site

Sheboygan, Wisconsin

SME Project No. 069638.00.046

#### Dear Pablo:

Pursuant to the Post Remediation Monitoring Plan, SME is providing the worm sampling analytical results for the 2019 monitoring event. Twenty-nine (29) earthworms were collected from four (4) different floodplain sample locations totaling one-hundred and sixteen (116) earthworms. The sampling locations were in Floodplains 3, 4, 5 and 6. The worms were analyzed for polychlorinated biphenyls (PCBs) seven years following completion of the source removal activities<sup>1</sup>.

The 29 samples collected in each floodplain area were composited and analyzed for one average result. The objective of the monitoring of these worms is to help monitor the effectiveness of remedial actions in the Sheboygan River floodplains. However, there is no remediation requirement for the worms; the only remedial requirement is to eliminate all locations where PCBs exceeded Toxic Substance Control Act (TSCA) concentrations of 50 ppm PCB and soil concentrations of 10 ppm within a robin foraging area (100′ x 295′). That requirement was met following source removal.

The mean site-specific soil-to-earthworm BAF is 0.65 (earthworm fresh weight (fw) PCB concentration/soil dry weight (dw) PCB concentration). Therefore, 6.5 ppm fw is the earthworm PCB concentration corresponding to the floodplain soil goal of 10 ppm PCB dw. Consistent with the area-adjustment procedure in the TERA, the goal of 6.5 ppm PCB in earthworms applies to area-averaged concentrations over 295 x 100 foot areas with the long axis adjacent to the river bank.

The sampling was conducted on May 3, 2019 and May 4, 2019 and the samples were submitted to Pace analytical under proper chain-of-custody documentation. The samples were analyzed for total PCBs. All samples had detections of PCBs. However, the detections do not exceed the site-specific soil-to-earthworm BAF of 6.5 ppm. A map of the flood plain locations is attached to this report. A summary of the 2019 results is provided in Table 1. A copy of the laboratory analysis report from Pace Analytical is also attached.

<sup>&</sup>lt;sup>1</sup> Long-Term Monitoring and Operations Plan, Upper River – Phase 1, PRS and URS, May 2004.

Completion of the worm sampling completes the monitoring requirements for the floodplains. The results verify the success of the PCB removal in the floodplains. As demonstrated previously, the vegetation has been restored.

If you have questions regarding the sampling event, feel free to contact Keith Egan at (513) 319-8919 or via email at egan@sme-usa.com.

Respectfully,

**SME** 

Megan Schaner Staff Geologist Keith Egan, CP Chief Consultant

Attachments: Table 1: Summary of PCBs in Floodplain Earthworms

Floodplains Location Map

Earthworm Monitoring Laboratory Analysis Report Results

Distribution: Mr. Tom Wentland, Wisconsin Department of Natural Resources via email

(Thomas.wentland@wisconsin.gov)

Ms. Debbie McMillan, PRS via email (dmcmillan@grhdevelopment.com) Mr. Peter Johnson, Johnson-Wright via email (pjohnson@johnsonwright.net)

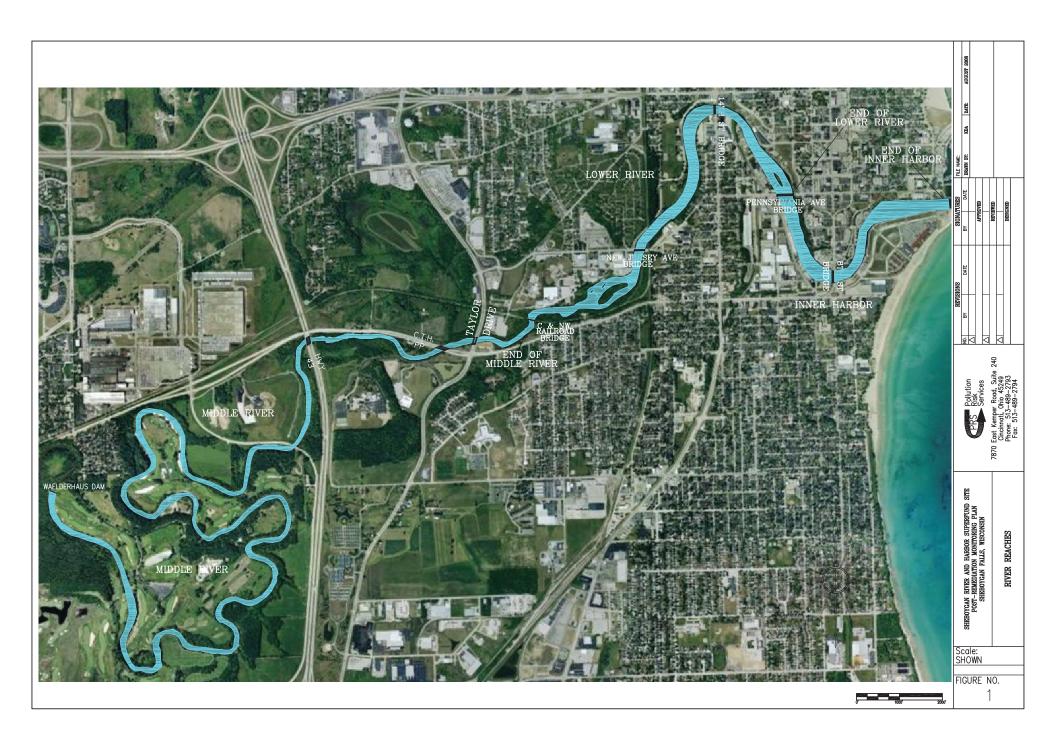
Mr. Jason Smith, Tecumseh via email (Jason.smith@tecumseh.com)

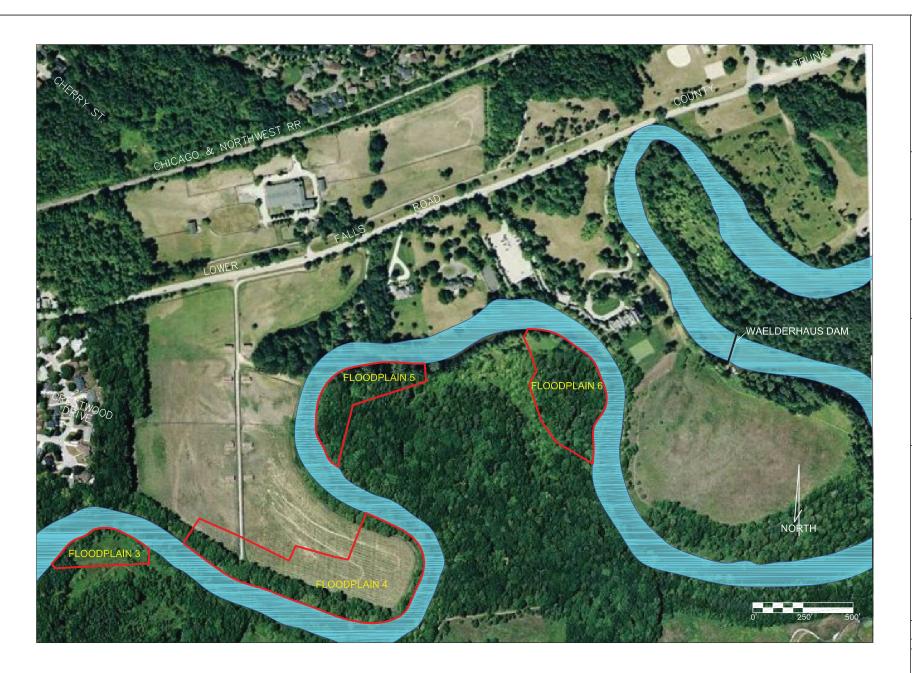


## TABLE 1 Summary of PCBs in Floodplain Earthworms Sheboygan River and Harbor Superfund Site

SAMPLE	DATE COLLECTED	ACTION LEVEL	CONCENTRATION
PRM-FP3-EW, 5/3/19	5/3/2019		1.24
PRM-FP4-EW, 5/3/19	5/3/2019	6.5	3.25
PRM-FP5-EW, 5/4/19	5/4/2019	0.5	1.36
PRM-FP6-EW, 5/4/19	5/4/2019		5.32

Results in mg/kg





	AUGUST 2008							
	KDA DATE:							
FILE NAME:	DRAWN BY:							
SIGNATURES	DATE		APPROVED		WED		DESIGNED	
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REVISIONS	DATE							
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PRS Risk Services Risk Services 7870 East Kemper Roud Sulte 2 Cinciumdt, Ohio 45249 Phone. 513-489-2793 Fox. 513-489-2794

SHEBOYGAN RIVER AND HARBOR SUPERFUND SITE POST-REMEDIATION MONITORING PLAN SHEBOYGAN FALLS, WISCONSIN

FLOODPLAINS 3 THROUGH 6

Scale: SHOWN

FIGURE NO.





June 25, 2019

Keith Egan Pollution Risk Services LLC One North Commerce Park Suite 318 Cincinnati, OH 452153174

RE: Project: SR11-001 EARTHWORM MONITORING

Pace Project No.: 40187057

## Dear Keith Egan:

Enclosed are the analytical results for sample(s) received by the laboratory on May 06, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Tod Noltemeyer

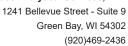
Tod nolteneya

tod.noltemeyer@pacelabs.com

(920)469-2436 Project Manager

Enclosures







#### **CERTIFICATIONS**

Project: SR11-001 EARTHWORM MONITORING

Pace Project No.: 40187057

#### **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



## **SAMPLE SUMMARY**

Project: SR11-001 EARTHWORM MONITORING

Pace Project No.: 40187057

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40187057001	PRM-FP3-EW, 5/3/19	Tissue	05/03/19 00:00	05/06/19 12:30
40187057002	PRM-FP4-EW, 5/3/19	Tissue	05/03/19 00:00	05/06/19 12:30
40187057003	PRM-FP5-EW, 5/4/19	Tissue	05/04/19 00:00	05/06/19 12:30
40187057004	PRM-FP6-EW, 5/4/19	Tissue	05/04/19 00:00	05/06/19 12:30



## **SAMPLE ANALYTE COUNT**

Project: SR11-001 EARTHWORM MONITORING

Pace Project No.: 40187057

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40187057001	PRM-FP3-EW, 5/3/19	EPA 8082	BLM	10
40187057002	PRM-FP4-EW, 5/3/19	EPA 8082	BLM	10
40187057003	PRM-FP5-EW, 5/4/19	EPA 8082	BLM	10
40187057004	PRM-FP6-EW, 5/4/19	EPA 8082	BLM	10



Green Bay, WI 54302 (920)469-2436

#### **PROJECT NARRATIVE**

Project: SR11-001 EARTHWORM MONITORING

Pace Project No.: 40187057

Method: EPA 8082

**Description:** 8082 GCS PCB, Tissue **Client:** POLLUTION RISK SERVICES

**Date:** June 25, 2019

#### **General Information:**

4 samples were analyzed for EPA 8082. 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 3540 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.

#### Surrogates:

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

QC Batch: 325133

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- PRM-FP6-EW, 5/4/19 (Lab ID: 40187057004)
  - Decachlorobiphenyl (S)
  - Tetrachloro-m-xylene (S)

#### 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.

QC Batch: 325133

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

#### **Additional Comments:**

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



Project: SR11-001 EARTHWORM MONITORING

Pace Project No.: 40187057

Date: 06/25/2019 08:51 AM

Sample: PRM-FP3-EW, 5/3/19 Lab ID: 40187057001 Collected: 05/03/19 00:00 Received: 05/06/19 12:30 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue	Analytical	Method: EPA	A 8082 Prepa	ration Metho	od: EP	A 3540			
PCB-1016 (Aroclor 1016)	<37.5	ug/kg	75.0	37.5	3	06/20/19 12:18	06/24/19 13:19	12674-11-2	
PCB-1221 (Aroclor 1221)	<37.5	ug/kg	75.0	37.5	3	06/20/19 12:18	06/24/19 13:19	11104-28-2	
PCB-1232 (Aroclor 1232)	<37.5	ug/kg	75.0	37.5	3	06/20/19 12:18	06/24/19 13:19	11141-16-5	
PCB-1242 (Aroclor 1242)	<37.5	ug/kg	75.0	37.5	3	06/20/19 12:18	06/24/19 13:19	53469-21-9	
PCB-1248 (Aroclor 1248)	565	ug/kg	75.0	37.5	3	06/20/19 12:18	06/24/19 13:19	12672-29-6	
PCB-1254 (Aroclor 1254)	679	ug/kg	75.0	37.5	3	06/20/19 12:18	06/24/19 13:19	11097-69-1	
PCB-1260 (Aroclor 1260)	<37.5	ug/kg	75.0	37.5	3	06/20/19 12:18	06/24/19 13:19	11096-82-5	
PCB, Total	1240	ug/kg	75.0	37.5	3	06/20/19 12:18	06/24/19 13:19	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	87	%	63-107		3	06/20/19 12:18	06/24/19 13:19	877-09-8	
Decachlorobiphenyl (S)	96	%	67-105		3	06/20/19 12:18	06/24/19 13:19	2051-24-3	



Project: SR11-001 EARTHWORM MONITORING

Pace Project No.: 40187057

Date: 06/25/2019 08:51 AM

Sample: PRM-FP4-EW, 5/3/19 Lab ID: 40187057002 Collected: 05/03/19 00:00 Received: 05/06/19 12:30 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue	Analytical	Method: EPA	A 8082 Prepa	ration Metho	od: EP	A 3540			
PCB-1016 (Aroclor 1016)	<62.5	ug/kg	125	62.5	5	06/20/19 12:18	06/24/19 13:41	12674-11-2	
PCB-1221 (Aroclor 1221)	<62.5	ug/kg	125	62.5	5	06/20/19 12:18	06/24/19 13:41	11104-28-2	
PCB-1232 (Aroclor 1232)	<62.5	ug/kg	125	62.5	5	06/20/19 12:18	06/24/19 13:41	11141-16-5	
PCB-1242 (Aroclor 1242)	<62.5	ug/kg	125	62.5	5	06/20/19 12:18	06/24/19 13:41	53469-21-9	
PCB-1248 (Aroclor 1248)	1690	ug/kg	125	62.5	5	06/20/19 12:18	06/24/19 13:41	12672-29-6	
PCB-1254 (Aroclor 1254)	1560	ug/kg	125	62.5	5	06/20/19 12:18	06/24/19 13:41	11097-69-1	
PCB-1260 (Aroclor 1260)	<62.5	ug/kg	125	62.5	5	06/20/19 12:18	06/24/19 13:41	11096-82-5	
PCB, Total	3250	ug/kg	125	62.5	5	06/20/19 12:18	06/24/19 13:41	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	89	%	63-107		5	06/20/19 12:18	06/24/19 13:41	877-09-8	
Decachlorobiphenyl (S)	96	%	67-105		5	06/20/19 12:18	06/24/19 13:41	2051-24-3	



Project: SR11-001 EARTHWORM MONITORING

Pace Project No.: 40187057

Date: 06/25/2019 08:51 AM

Sample: PRM-FP5-EW, 5/4/19 Lab ID: 40187057003 Collected: 05/04/19 00:00 Received: 05/06/19 12:30 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue	Analytical	Method: EPA	A 8082 Prepa	ration Metho	od: EP	A 3540			
PCB-1016 (Aroclor 1016)	<38.8	ug/kg	77.5	38.8	3	06/20/19 12:18	06/24/19 14:03	12674-11-2	
PCB-1221 (Aroclor 1221)	<38.8	ug/kg	77.5	38.8	3	06/20/19 12:18	06/24/19 14:03	11104-28-2	
PCB-1232 (Aroclor 1232)	<38.8	ug/kg	77.5	38.8	3	06/20/19 12:18	06/24/19 14:03	11141-16-5	
PCB-1242 (Aroclor 1242)	<38.8	ug/kg	77.5	38.8	3	06/20/19 12:18	06/24/19 14:03	53469-21-9	
PCB-1248 (Aroclor 1248)	746	ug/kg	77.5	38.8	3	06/20/19 12:18	06/24/19 14:03	12672-29-6	
PCB-1254 (Aroclor 1254)	617	ug/kg	77.5	38.8	3	06/20/19 12:18	06/24/19 14:03	11097-69-1	
PCB-1260 (Aroclor 1260)	<38.8	ug/kg	77.5	38.8	3	06/20/19 12:18	06/24/19 14:03	11096-82-5	
PCB, Total	1360	ug/kg	77.5	38.8	3	06/20/19 12:18	06/24/19 14:03	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	89	%	63-107		3	06/20/19 12:18	06/24/19 14:03	877-09-8	
Decachlorobiphenyl (S)	99	%	67-105		3	06/20/19 12:18	06/24/19 14:03	2051-24-3	



Project: SR11-001 EARTHWORM MONITORING

Pace Project No.: 40187057

Date: 06/25/2019 08:51 AM

Sample: PRM-FP6-EW, 5/4/19 Lab ID: 40187057004 Collected: 05/04/19 00:00 Received: 05/06/19 12:30 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue	Analytical	Method: EPA	A 8082 Prepa	ration Metho	od: EP	A 3540			
PCB-1016 (Aroclor 1016)	<187	ug/kg	375	187	15	06/20/19 12:18	06/24/19 14:25	12674-11-2	
PCB-1221 (Aroclor 1221)	<187	ug/kg	375	187	15	06/20/19 12:18	06/24/19 14:25	11104-28-2	
PCB-1232 (Aroclor 1232)	<187	ug/kg	375	187	15	06/20/19 12:18	06/24/19 14:25	11141-16-5	
PCB-1242 (Aroclor 1242)	<187	ug/kg	375	187	15	06/20/19 12:18	06/24/19 14:25	53469-21-9	
PCB-1248 (Aroclor 1248)	3140	ug/kg	375	187	15	06/20/19 12:18	06/24/19 14:25	12672-29-6	
PCB-1254 (Aroclor 1254)	2190	ug/kg	375	187	15	06/20/19 12:18	06/24/19 14:25	11097-69-1	
PCB-1260 (Aroclor 1260)	<187	ug/kg	375	187	15	06/20/19 12:18	06/24/19 14:25	11096-82-5	
PCB, Total	5320	ug/kg	375	187	15	06/20/19 12:18	06/24/19 14:25	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	0	%	63-107		15	06/20/19 12:18	06/24/19 14:25	877-09-8	S4
Decachlorobiphenyl (S)	0	%	67-105		15	06/20/19 12:18	06/24/19 14:25	2051-24-3	S4



#### **QUALITY CONTROL DATA**

Project: SR11-001 EARTHWORM MONITORING

Pace Project No.: 40187057

Date: 06/25/2019 08:51 AM

QC Batch: 325133 Analysis Method: EPA 8082

QC Batch Method: EPA 3540 Analysis Description: 8082 GCS Tissue Pesticides

Associated Lab Samples: 40187057001, 40187057002, 40187057003, 40187057004

METHOD BLANK: 1887403 Matrix: Tissue
Associated Lab Samples: 40187057001, 40187057002, 40187057003, 40187057004

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<12.5	25.0	06/24/19 12:14	
PCB-1221 (Aroclor 1221)	ug/kg	<12.5	25.0	06/24/19 12:14	
PCB-1232 (Aroclor 1232)	ug/kg	<12.5	25.0	06/24/19 12:14	
PCB-1242 (Aroclor 1242)	ug/kg	<12.5	25.0	06/24/19 12:14	
PCB-1248 (Aroclor 1248)	ug/kg	<12.5	25.0	06/24/19 12:14	
PCB-1254 (Aroclor 1254)	ug/kg	<12.5	25.0	06/24/19 12:14	
PCB-1260 (Aroclor 1260)	ug/kg	<12.5	25.0	06/24/19 12:14	
Decachlorobiphenyl (S)	%	95	67-105	06/24/19 12:14	
Tetrachloro-m-xylene (S)	%	81	63-107	06/24/19 12:14	

LABORATORY CONTROL SAMPLE	E & LCSD: 1887404		18	887405						
		Spike	LCS	LCSD	LCS	LCSD	% Rec		Max	
Parameter	Units	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<12.5	<12.5					20	
PCB-1221 (Aroclor 1221)	ug/kg		<12.5	<12.5					20	
PCB-1232 (Aroclor 1232)	ug/kg		<12.5	<12.5					20	
PCB-1242 (Aroclor 1242)	ug/kg		<12.5	<12.5					20	
PCB-1248 (Aroclor 1248)	ug/kg		<12.5	<12.5					20	
PCB-1254 (Aroclor 1254)	ug/kg	250	240	237	96	95	69-115	1	20	
PCB-1260 (Aroclor 1260)	ug/kg		<12.5	<12.5					20	
Decachlorobiphenyl (S)	%				100	99	67-105			
Tetrachloro-m-xylene (S)	%				87	86	63-107			

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.



#### **QUALIFIERS**

Project: SR11-001 EARTHWORM MONITORING

Pace Project No.: 40187057

#### **DEFINITIONS**

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

#### **BATCH QUALIFIERS**

Batch: 325312

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

#### **ANALYTE QUALIFIERS**

Date: 06/25/2019 08:51 AM

S4 Surrogate recovery not evaluated against control limits due to sample dilution.



## **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: SR11-001 EARTHWORM MONITORING

Pace Project No.: 40187057

Date: 06/25/2019 08:51 AM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40187057001	PRM-FP3-EW, 5/3/19	EPA 3540	325133	EPA 8082	325312
40187057002	PRM-FP4-EW, 5/3/19	EPA 3540	325133	EPA 8082	325312
40187057003	PRM-FP5-EW, 5/4/19	EPA 3540	325133	EPA 8082	325312
40187057004	PRM-FP6-EW, 5/4/19	EPA 3540	325133	EPA 8082	325312

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Company Na	me:		PRS					~	/						MN: 6	12-607	-1700	WI: 920-469-2436	, 1.	(A) = -	) je 13 of 15
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Phone:			2 310	POLO				(	?H/	AIN	O	F C	us	TO	DY			Mail To Contact:			
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Project Numb		5	<u> 11-0</u>	0)			A=N H=S		=HCL C: ulfate Solu		D=HN	03 E=DI ium Thiosuli		F=Methar I=Other	iol G=N	laOH					
Project Name	) <b>:</b>	Ear	theyou	m Mo	<u>úteri</u>	ng												Mail To Address:			
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Data Packa		tions	MS/N On you	5000 Per 100 P	A = Air		rix Code: W = Water														
☐ EP/			(bill	able)	B = Biota C = Charco O = Oil	oal	DW = Drink GW = Groun SW = Surfa	nd Water	Analyses	90	}							Invoice To Phone:			
☐ EP/	A Level	IV	NOT n	eeueu on	S = Soil Si = Sludge		WW = Wast		feu	Pr.A								CLIENT	LAB C	OMMENTS	Profile#
PACE LAB #		CLIE	NT FIEL			COLLE		MATRIX	100 EVENTS 00 SERVESS	"*	i							COMMENTS	(Lab	Use Only)	
$\omega$	PRM.	-F0:	3-EW, 5	7/2/19	5/3/			TS		X								29 worm Compos	+		
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## **Sample Preservation Receipt Form**

Pace Analytical Services, LLC℃ 1241 Bellevue Street, Suite 95 Green Bay, WI 54302<sup>™</sup>

Project # Client Name: Initial when Date/ All containers needing preservation have been checked and noted below: \( \prescript{Ves} \) \( \prescript{N/A} \) completed: Time: Lab Std #ID of preservation (if pH adjusted): Lab Lot# of pH paper: aOH+Zn Act pH≥9 /OA Vials (>6mm) after adjusted General Vials **Jars Plastic** Glass Volume Ø aOH pH≥12 INO3 pH ≤2 (mL) WGFU 12SO4 pH WPFU VG9M VG9D ZPLC JGFU DG9A DG9T BG3U BP3B SP5T AGIU AG2S BP1U **BP2N BP3S** Pace S Lab # 2.5 / 5 / 10 001 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 Headspace in VOA Vials (>6mm): □Yes □No ¬N/A \*If yes look in headspace column Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other 40 mL amber ascorbic 4 oz amber jar unpres 1 liter plastic unpres DG9A **BP1U** AG1U 1 liter amber glass 4 oz clear jar unpres 40 mL amber Na Thio WGFU DG9T 500 mL plastic HNO3 BP2N AG1H 1 liter amber glass HCL WPFU 4 oz plastic jar unpres 40 mL clear vial unpres 500 mL plastic NaOH, Znact VG9U BP2Z AG4S 125 mL amber glass H2SO4 VG9H 40 mL clear vial HCL 250 mL plastic unpres BP3U AG4U 120 mL amber glass unpres

40 mL clear vial MeOH

40 mL clear vial DI

VG9M

VG9D

250 mL plastic NaOH

250 mL plastic HNO3

250 mL plastic H2SO4

SP5T

**ZPLC** 

**GN** 

AG5U 100 mL amber glass unpres

AG2S 500 mL amber glass H2SO4

BG3U 250 mL clear glass unpres

BP3B

BP3N

BP3S

1241 Bellevue Street, Green Bay, WI 54302

Document Name: Sample Condition Upon Receipt (SCUR)

Document No.: F-GB-C-031-Rev.07

Document Revised: 25Apr2018

Issuing Authority: Pace Green Bay Quality Office

# Sample Condition Upon Receipt Form (SCUR)

Client Name: PRS		Project # WO#	: 40187057
Courier: CS Logistics Fed Ex Spe	and an arrangement of the second		
Collent Pace Other:	edee   UPS L v	vaitco	
, and the state of		401876	
racking #: Custody Seal on Cooler/Box Present:	Seals intac		
Custody Seal on Samples Present:		t: □ yes □ no	
Packing Material:		•	
Thermometer Used SR - NA	Type of Ice: (Wet	Blue Dry None Sar	mples on ice, cooling process has begun
Cooler Temperature Uncorr: /Corr			
Temp Blank Present: yes no	Biological	Tissue is Frozen: ☐ yes ✓	TO Person examining contents:
Femp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C.			Initials:
Chain of Custody Present:	_□Yes □No □N/A	1.	
Chain of Custody Filled Out:	□Yes □N/A	2.maillinvoice to	partitioner onbottoner
Chain of Custody Relinquished:	₽Yes □No □N/		The state of the s
Sampler Name & Signature on COC:	Yes Ono On/		
Samples Arrived within Hold Time:	√Yes □No	5.	
- VOA Samples frozen upon receipt	□Yes □No	Date/Time:	
Short Hold Time Analysis (<72hr):	□Yes □No	6.	
Rush Turn Around Time Requested:	□Yes □Mo	7.	
Sufficient Volume:		8.	
For Analysis: ☑Yes ☐No MS/M	NSD: □Yes □Mo □N//	A	
Correct Containers Used:	Des □No	9.	
-Pace Containers Used:	ØYes □No □N//	4	
-Pace IR Containers Used:	□Yes □No □N//	A	
Containers Intact:	Yes 🗆 No	10.	
Filtered volume received for Dissolved tests	□Yes □No ☑N//	A 11.	
Sample Labels match COC:	√Yes □No □N/	12.	
-Includes date/time/ID/Analysis Matrix:_	<u> </u>		
Trip Blank Present:	□Yes □No ☑N/	A 13.	
Trip Blank Custody Seals Present	□Yes □No □M		
Pace Trip Blank Lot # (if purchased):			
Client Notification/ Resolution:  Person Contacted:	Date	Times	ee attached form for additional comments
Person Contacted: Comments/ Resolution:		erime.	
Project Manager Review:	Arbr	TN	Date: 569
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