State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

NOTE: Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information

Site Name			DNR ID # (BRRTS #)
Hayton Area Remediation Project - Downstream of Hayton Millpond Dam			02-08-587108
Address	**City**	**State**	**ZIP Code**
N3755 Weeks Road	Charlestown	WI	53014

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner

Tecumseh Products Company LLC

Address	City	State	ZIP Code
5683 Hines Drive	Ann Arbor	MI	48108

Contact Person	Phone Number (include area code)
Jason Smith	(731) 707-2889

Person or company that collected samples

TRC Environmental Corporation

Sample Results (Results Attached)

Reason for Sampling: ○ Routine ◉ Other (define) Site investigation

The contaminants that have been identified at this time on property that you own or occupy include:

Contaminant	In Soil? Yes	In Soil? No	In Groundwater? Yes	In Groundwater? No
Gasoline	○	○	○	○
Diesel or Fuel Oil	○	○	○	○
Solvents	○	○	○	○
Heavy Metals	○	○	○	○
Pesticides	○	○	○	○
Other: PCBs	◉	○	○	○

This sampling event included sampling of a drinking water well.
○ Yes ◉ No

If yes, the sampled drinking water well had detectable contaminants.
○ Yes ○ No

Contaminants in Vapor	Yes	No
Indoor Air	○	◉
Sub-slab	○	◉
Exterior Soil Gas	○	◉

Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a $700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

Environmental Consultant

Company Name	Contact Person Last Name	First Name
TRC Environmental Corporation	Harvey	Chris

Address	City	State	ZIP Code
230 West Monroe Street, Suite 1840	Chicago, IL	WI	60606

Phone # (inc. area code)	Email
(312) 909-0043	charvey@trccompanies.com

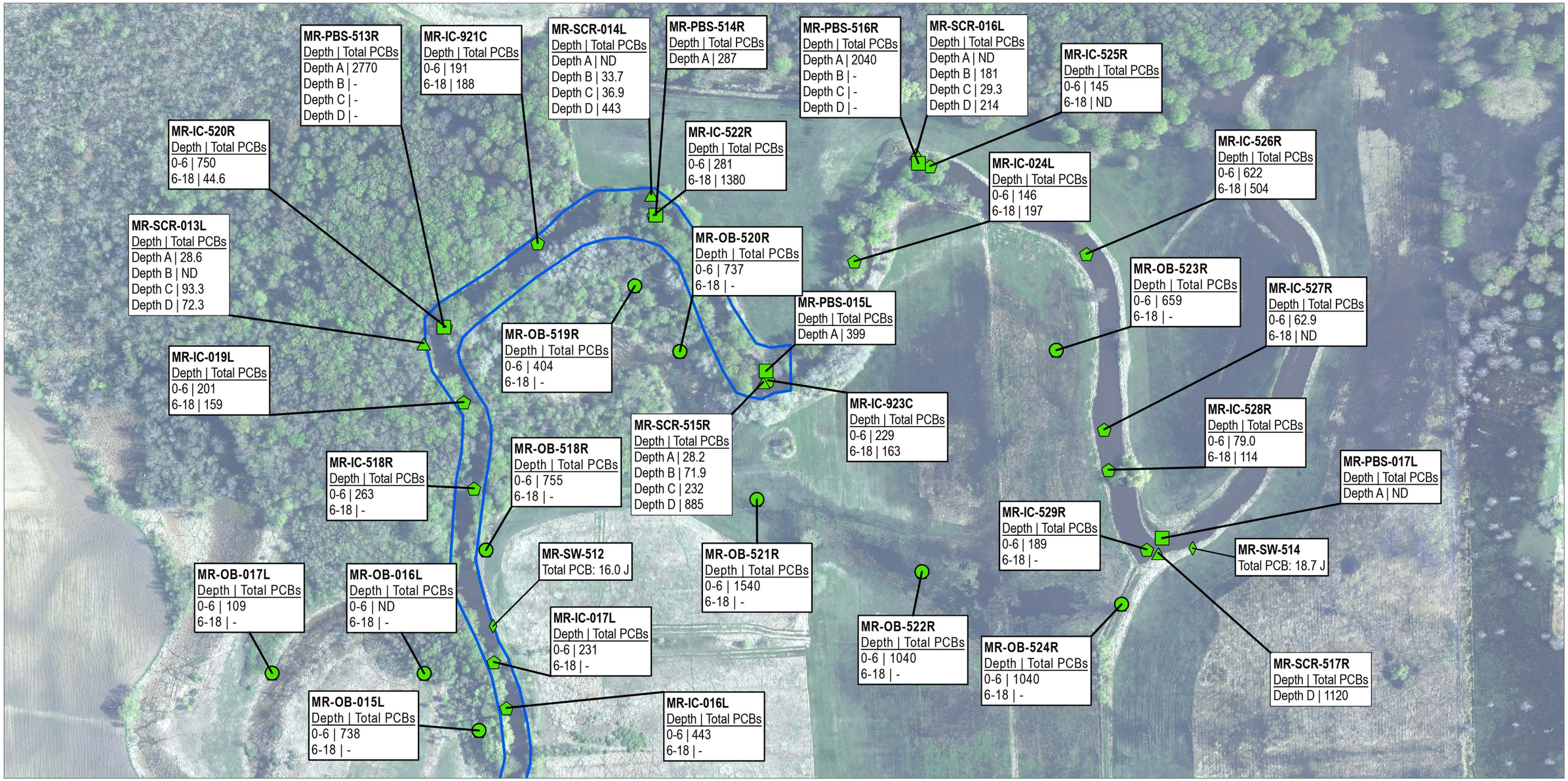
Select which agency: (●) Natural Resources ( ) Agriculture, Trade and Consumer Protection

State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)
Krueger	Sarah	(920) 510-8277

Address	City	State	ZIP Code
2984 Shawano Avenue	Green Bay	WI	54313

Email
sarah.krueger@wisconsin.gov



- SOIL SAMPLE LOCATION (10)
- POINT BAR SEDIMENT SAMPLE LOCATION (5)
- BANK SCRAPE SAMPLE LOCATION (5)
- IN-CHANNEL SEDIMENT SAMPLE LOCATION (24)
- SURFACE WATER SAMPLE LOCATION
- ESTIMATED OHWM 2014 (TRC)

NOTES:

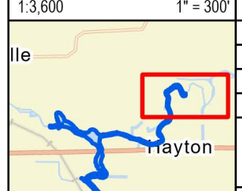
DEPTH INTERVALS FOR BANK SCRAPE AND POINT BAR SEDIMENT SAMPLES START WITH A BEING DEEPEST/LOWEST AND WORKING UP TOWARDS THE GROUND SURFACE

BASE MAP: CALUMET COUNTY AERIAL IMAGERY, 2018
DATA SOURCES: TRC

"MR-SW" RESULTS ARE IN NG/L. ALL OTHER RESULTS ARE IN UG/KG.

N

0 150 300 FEET
1:3,600 1" = 300'



PROJECT:
SITE INVESTIGATION WORK PLAN
DOWNSTREAM OF HAYTON MILLPOND DAM

TITLE:
ALL SAMPLE LOCATIONS MAP
WORKING COPY

DRAWN BY:	AMBER C.	PROJ. NO.:	320928.0003
CHECKED BY:	A. HORRIE		
APPROVED BY:	B. WACHHOLZ		
DATE:	NOVEMBER 2023		

FIGURE 2a

TRC
999 FOURIER DRIVE
SUITE 101
MADISON, WI 53717
PHONE: 608.826.3663

FILE: HARP_SITEINVESTIGATIONREPORT_2023.APRX

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet; Map Rotation: 0
Saved By: ACLINE on 11/2/2023 12:20:10 PM; File Path: T:\Projects\HARP\MXD\SiteInvestigationReport_2023.aprx; Layout Name: Figure 2a All Sample Locations Map

MR-PBS-012L
Depth | Total PCBs
Depth A | ND

Refer to Figure 2a

MR-SCR-512R
Depth | Total PCBs
Depth A | ND
Depth B | 62.2
Depth C | ND
Depth D | ND

MR-SCR-011L
Depth | Total PCBs
Depth A | ND
Depth B | ND
Depth C | ND
Depth D | 27.2

MR-IC-015L
Depth | Total PCBs
0-6 | 106
6-18 | -

MR-OB-013L
Depth | Total PCBs
0-6 | 382
6-18 | -

MR-PBS-511R
Depth | Total PCBs
Depth A | 622

MR-IC-514R
Depth | Total PCBs
0-6 | 128
6-18 | -

MR-OB-514R
Depth | Total PCBs
0-6 | 73.9
6-18 | -

MR-OB-010L
Depth | Total PCBs
0-6 | 376
6-18 | -

MR-IC-013L
Depth | Total PCBs
6-18 | 1530

MR-OB-012L
Depth | Total PCBs
0-6 | 107
6-18 | -

MR-IC-012L
Depth | Total PCBs
0-6 | 86.5
6-18 | -

MR-PBS-010L
Depth | Total PCBs
Depth A | ND

MR-SW-010
Total PCB: 20.7 J

MR-OB-511R
Depth | Total PCBs
0-6 | 522
6-18 | -

MR-IC-511R
Depth | Total PCBs
0-6 | 1090
6-18 | -

MR-SCR-510R
Depth | Total PCBs
Depth B | 306

MR-SW-511
Total PCB: 15.3 J

- SOIL SAMPLE LOCATION (8)
- SEDIMENT SAMPLE LOCATION (3)
- SOIL SAMPLE LOCATION (3)
- IN-CHANNEL SEDIMENT SAMPLE LOCATION (16)
- SURFACE WATER SAMPLE LOCATION
- ESTIMATED OHWM 2014 (TRC)

NOTES:

DEPTH INTERVALS FOR BANK SCRAPE AND POINT BAR SEDIMENT SAMPLES START WITH A BEING DEEPEST/LOWEST AND WORKING UP TOWARDS THE GROUND SURFACE

BASE MAP: CALUMET COUNTY AERIAL IMAGERY, 2018
DATA SOURCES: TRC

"MR-SW" RESULTS ARE IN NG/L. ALL OTHER RESULTS ARE IN UG/KG.

N

0 150 300 FEET
1:3,600 1" = 300'

Hayton

PROJECT:
SITE INVESTIGATION WORK PLAN
DOWNSTREAM OF HAYTON MILLPOND DAM

TITLE:
ALL SAMPLE LOCATIONS MAP
WORKING COPY

DRAWN BY:	AMBER C.	PROJ. NO.:	320928.0003
CHECKED BY:	A. HORRIE		
APPROVED BY:	B. WACHHOLZ		
DATE:	NOVEMBER 2023		

FIGURE 2b

TRC
999 FOURIER DRIVE
SUITE 101
MADISON, WI 53717
PHONE: 608.826.3663

FILE: HARP_SITEINVESTIGATIONREPORT_2023.APRX

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet; Map Rotation: 0
Saved By: AGUHE on 1/22/2024 - 15:25:10 PM; File Path: T:\PROJECTS\Incomet\HARP\APRX\HARP_SiteInvestigationReport_2023.aprx; Layout Name: Figure 2b All Sample Locations Map

Bank Scrape Sediment Analytical Results Summary
Downstream of Hayton Millpond Dam
BRRTS No. 02-08-587108

			Sample ID	MR-SCR-510R	MR-SCR-510R	MR-SCR-510R	MR-SCR-011L	MR-SCR-011L	MR-SCR-011L	MR-SCR-011L	MR-SCR-011L	MR-SCR-512R	MR-SCR-512R	MR-SCR-512R	MR-SCR-512R	MR-SCR-512R	MR-SCR-512R	MR-SCR-013L	MR-SCR-013L	MR-SCR-013L	MR-SCR-013L
			Type	N	FR	FD	N	N	N	N	FD	N	N	N	N	FR	FD	N	N	N	N
			Sample Date	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023
				MR SCR 510R			MR SCR 011L	MR SCR 011L	MR SCR 011L	MR SCR 011L		MR SCR 512R	MR SCR 512R	MR SCR 512R	MR SCR 512R			MR SCR 013L	MR SCR 013L	MR SCR 013L	MR SCR 013L
				B_AW_202309			A_AW_20230	B_AW_20230	C_AW_20230	D_AW_20230		A_AW_20230	B_AW_20230	C_AW_20230	D_AW_20230			A_AW_20230	B_AW_20230	C_AW_20230	D_AW_20230
			SYS_SAMPLE_CODE	13	03_20230913	03_20230913	913	913	913	913	02_20230913	913	913	913	913	02_20230913	01_20230913	912	912	912	912
Method	Parameter	Units																			
SW8082A	Total PCBs	ug/kg		306	347	674	< 18.8	< 19.0	< 17.3	27.2 J	< 17.3	< 18.1	62.2 J	< 16.9	< 18.2	61.4 J	< 17.8	28.6 J	< 22.7	93.3	72.3
SW8082A	Aroclor-1016	ug/kg		< 18.3	< 18.0	< 17.8	< 18.8	< 19.0	< 17.3	< 16.3	< 17.3	< 18.1	< 19.7	< 16.9	< 18.2	< 19.5	< 17.8	< 23.0	< 22.7	< 18.0	< 17.9
SW8082A	Aroclor-1221	ug/kg		< 18.3	< 18.0	< 17.8	< 18.8	< 19.0	< 17.3	< 16.3	< 17.3	< 18.1	< 19.7	< 16.9	< 18.2	< 19.5	< 17.8	< 23.0	< 22.7	< 18.0	< 17.9
SW8082A	Aroclor-1232	ug/kg		< 18.3	< 18.0	< 17.8	< 18.8	< 19.0	< 17.3	< 16.3	< 17.3	< 18.1	< 19.7	< 16.9	< 18.2	< 19.5	< 17.8	< 23.0	< 22.7	< 18.0	< 17.9
SW8082A	Aroclor-1242	ug/kg		< 18.3	< 18.0	< 17.8	< 18.8	< 19.0	< 17.3	< 16.3	< 17.3	< 18.1	< 19.7	< 16.9	< 18.2	< 19.5	< 17.8	< 23.0	< 22.7	< 18.0	< 17.9
SW8082A	Aroclor-1248	ug/kg		< 18.3	< 18.0	< 17.8	< 18.8	< 19.0	< 17.3	< 16.3	< 17.3	< 18.1	< 19.7	< 16.9	< 18.2	< 19.5	< 17.8	< 23.0	< 22.7	< 18.0	< 17.9
SW8082A	Aroclor-1254	ug/kg		306	347	674	< 18.8	< 19.0	< 17.3	27.2 J	< 17.3	< 18.1	62.2 J	< 16.9	< 18.2	61.4 J	< 17.8	28.6 J	< 22.7	93.3	72.3
SW8082A	Aroclor-1260	ug/kg		< 18.3	< 18.0	< 17.8	< 18.8	< 19.0	< 17.3	< 16.3	< 17.3	< 18.1	< 19.7	< 16.9	< 18.2	< 19.5	< 17.8	< 23.0	< 22.7	< 18.0	< 17.9
SW8082A	Aroclor-1262	ug/kg		< 18.3	< 18.0	< 17.8	< 18.8	< 19.0	< 17.3	< 16.3	< 17.3	< 18.1	< 19.7	< 16.9	< 18.2	< 19.5	< 17.8	< 23.0	< 22.7	< 18.0	< 17.9
SW8082A	Aroclor-1268	ug/kg		< 18.3	< 18.0	< 17.8	< 18.8	< 19.0	< 17.3	< 16.3	< 17.3	< 18.1	< 19.7	< 16.9	< 18.2	< 19.5	< 17.8	< 23.0	< 22.7	< 18.0	< 17.9
LKahn	Total Organic Carbon	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Footnotes:
1. -- = Not analyzed
2. J = Estimated value

			Sample ID	MR-SCR-014L	MR-SCR-014L	MR-SCR-014L	MR-SCR-014L	MR-SCR-515R	MR-SCR-515R	MR-SCR-515R	MR-SCR-515R	MR-SCR-515R	MR-SCR-016L	MR-SCR-016L	MR-SCR-016L	MR-SCR-016L	MR-SCR-517R
			Type	N	N	N	N	N	N	N	N	FR	N	N	N	N	N
			Sample Date	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023
				MR SCR 014L	MR SCR 014L	MR SCR 014L	MR SCR 014L	MR SCR 515R	MR SCR 515R	MR SCR 515R	MR SCR 515R		MR SCR 016L	MR SCR 016L	MR SCR 016L	MR SCR 016L	MR SCR 517R
				A_AW_202309	B_AW_202309	C_AW_202309	D_AW_20230	A_AW_20230	B_AW_20230	C_AW_20230	D_AW_20230	MR SCR REP	A_UW_20230	B_AW_20230	C_AW_20230	D_AW_20230	D_AW_20230
			SYS_SAMPLE_CODE	12	12	12	912	912	912	912	912	1_20230912	912	912	912	912	912
Method	Parameter	Units															
SW8082A	Total PCBs	ug/kg		< 22.4	33.7 J	36.9 J	443	28.2 J	71.9	232	885	194	< 24.5	181	29.3 J	214	1120
SW8082A	Aroclor-1016	ug/kg		< 22.4	< 18.0	< 17.7	< 17.1	< 22.7	< 19.5	< 18.8	< 17.2	< 18.8	< 24.5	< 21.7	< 19.3	< 17.1	< 17.2
SW8082A	Aroclor-1221	ug/kg		< 22.4	< 18.0	< 17.7	< 17.1	< 22.7	< 19.5	< 18.8	< 17.2	< 18.8	< 24.5	< 21.7	< 19.3	< 17.1	< 17.2
SW8082A	Aroclor-1232	ug/kg		< 22.4	< 18.0	< 17.7	< 17.1	< 22.7	< 19.5	< 18.8	< 17.2	< 18.8	< 24.5	< 21.7	< 19.3	< 17.1	< 17.2
SW8082A	Aroclor-1242	ug/kg		< 22.4	< 18.0	< 17.7	< 17.1	< 22.7	< 19.5	< 18.8	< 17.2	< 18.8	< 24.5	< 21.7	< 19.3	< 17.1	< 17.2
SW8082A	Aroclor-1248	ug/kg		< 22.4	< 18.0	< 17.7	< 17.1	< 22.7	< 19.5	< 18.8	< 17.2	< 18.8	< 24.5	< 21.7	< 19.3	< 17.1	< 17.2
SW8082A	Aroclor-1254	ug/kg		< 22.4	33.7 J	36.9 J	443	28.2 J	71.9	232	885	194	< 24.5	181	29.3 J	214	1120
SW8082A	Aroclor-1260	ug/kg		< 22.4	< 18.0	< 17.7	< 17.1	< 22.7	< 19.5	< 18.8	< 17.2	< 18.8	< 24.5	< 21.7	< 19.3	< 17.1	< 17.2
SW8082A	Aroclor-1262	ug/kg		< 22.4	< 18.0	< 17.7	< 17.1	< 22.7	< 19.5	< 18.8	< 17.2	< 18.8	< 24.5	< 21.7	< 19.3	< 17.1	< 17.2
SW8082A	Aroclor-1268	ug/kg		< 22.4	< 18.0	< 17.7	< 17.1	< 22.7	< 19.5	< 18.8	< 17.2	< 18.8	< 24.5	< 21.7	< 19.3	< 17.1	< 17.2
LKahn	Total Organic Carbon	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--

In-Channel Sediment Analytical Results Summary
Downstream of Hayton Millpond Dam
BRRTS No. 02-08-587108

		Sample ID	MR-IC-511R	MR-IC-511R	MR-IC-012L	MR-IC-013L	MR-IC-013L	MR-IC-013L	MR-IC-514R	MR-IC-015L	MR-IC-016L	MR-IC-017L	MR-IC-518R	MR-IC-518R	MR-IC-019L	MR-IC-019L	MR-IC-019L	MR-IC-520R	MR-IC-520R	MR-IC-921C	MR-IC-921C
		Type	N	FR	N	N	N	FR	N	N	N	N	N	FD	N	N	FR	N	N	N	N
		Sample Date	09/18/2023	09/18/2023	09/18/2023	09/12/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/12/2023	09/18/2023
		SYS_SAMPLE_CODE	MR IC 511R 0-6 DREDGE_20230918	MR IC REP 05_20230918	MR IC 012L 0-6 DREDGE_20230918	MR IC 013L 6-10_20230912	MR IC 013L 0-6 DREDGE_20230918	MR IC REP 04_20230918	MR IC 514R 0-6 DREDGE_20230918	MR IC 015L 0-6 DREDGE_20230918	MR IC 016L 0-6 DREDGE_20230918	MR IC 017L 0-6 DREDGE_20230918	MR IC 518R 0-6 DREDGE_20230918	MR IC DUP02 0-6 DREDGE_20230918	MR IC 019L 0-6 DREDGE_20230918	MR IC 019L 6-18_20230918	MR IC REP 03_20230918	MR IC 520R 0-6 DREDGE_20230918	MR IC 520R 6-18_20230918	MR IC 921C 6-9_20230912	MR IC 921C 0-6 DREDGE_20230918
Method	Parameter	Units																			
SW8082A	Total PCBs	ug/kg	1090	634	86.5	1530	178	143	128	106	443	231	263	202	201	159	253	750	44.6 J	188	191
SW8082A	Aroclor-1016	ug/kg	< 24.5	< 25.1	< 18.6	< 44.6	< 23.2	< 23.2	< 21.7	< 22.7	< 36.6	< 25.9	< 26.3	< 24.6	< 22.3	< 19.4	< 20.5	< 25.3	< 22.5	< 21.2	< 25.7
SW8082A	Aroclor-1221	ug/kg	< 24.5	< 25.1	< 18.6	< 44.6	< 23.2	< 23.2	< 21.7	< 22.7	< 36.6	< 25.9	< 26.3	< 24.6	< 22.3	< 19.4	< 20.5	< 25.3	< 22.5	< 21.2	< 25.7
SW8082A	Aroclor-1232	ug/kg	< 24.5	< 25.1	< 18.6	< 44.6	< 23.2	< 23.2	< 21.7	< 22.7	< 36.6	< 25.9	< 26.3	< 24.6	< 22.3	< 19.4	< 20.5	< 25.3	< 22.5	< 21.2	< 25.7
SW8082A	Aroclor-1242	ug/kg	62.7 J	< 25.1	< 18.6	664	< 23.2	< 23.2	< 21.7	< 22.7	< 36.6	< 25.9	< 26.3	< 24.6	< 22.3	< 19.4	< 20.5	< 25.3	< 22.5	< 21.2	< 25.7
SW8082A	Aroclor-1248	ug/kg	< 24.5	< 25.1	< 18.6	< 44.6	< 23.2	< 23.2	< 21.7	< 22.7	< 36.6	< 25.9	< 26.3	< 24.6	< 22.3	< 19.4	< 20.5	< 25.3	< 22.5	< 21.2	< 25.7
SW8082A	Aroclor-1254	ug/kg	1030	634	86.5	674	178	143	128	106	443	231	263	202	201	159	253	750	44.6 J	188	191
SW8082A	Aroclor-1260	ug/kg	< 24.5	< 25.1	< 18.6	188	< 23.2	< 23.2	< 21.7	< 22.7	< 36.6	< 25.9	< 26.3	< 24.6	< 22.3	< 19.4	< 20.5	< 25.3	< 22.5	< 21.2	< 25.7
SW8082A	Aroclor-1262	ug/kg	< 24.5	< 25.1	< 18.6	< 44.6	< 23.2	< 23.2	< 21.7	< 22.7	< 36.6	< 25.9	< 26.3	< 24.6	< 22.3	< 19.4	< 20.5	< 25.3	< 22.5	< 21.2	< 25.7
SW8082A	Aroclor-1268	ug/kg	< 24.5	< 25.1	< 18.6	< 44.6	< 23.2	< 23.2	< 21.7	< 22.7	< 36.6	< 25.9	< 26.3	< 24.6	< 22.3	< 19.4	< 20.5	< 25.3	< 22.5	< 21.2	< 25.7
LKahn	Total Organic Carbon	mg/kg	36400	--	--	--	--	--	13600	--	--	--	--	--	--	25800	--	--	--	--	--

Footnotes:
1. -- = Not analyzed
2. J = Estimated value

		Sample ID	MR-IC-522R	MR-IC-522R	MR-IC-923C	MR-IC-923C	MR-IC-923C	MR-IC-024L	MR-IC-024L	MR-IC-525R	MR-IC-525R	MR-IC-526R	MR-IC-526R	MR-IC-527R	MR-IC-527R	MR-IC-527R	MR-IC-528R	MR-IC-528R	MR-IC-528R	MR-IC-529R
		Type	N	N	N	N	FR	N	N	N	N	N	N	N	FR	FR	N	N	FD	N
		Sample Date	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/12/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023	09/18/2023
		SYS_SAMPLE_CODE	MR IC 522R 0-6 DREDGE_20230918	MR IC 522R 6-18_20230918	MR IC 923C 0-6 DREDGE_20230918	MR IC 923C 6-18_20230918	MR IC REP 02_20230918	MR IC 024L 0-6 DREDGE_20230918	MR IC 024L 6-18_20230918	MR IC 525R 0-6 DREDGE_20230918	MR IC 525R 6-18_20230918	MR IC 526R 6-9_20230912	MR IC 526R 0-6 DREDGE_20230918	MR IC 527R 0-6 DREDGE_20230918	MR IC 527R 6-18_20230918	MR IC REP 01_20230918	MR IC 528R 0-6 DREDGE_20230918	MR IC 528R 6-18_20230918	MR IC DUP01 0-6 DREDGE_20230918	MR IC 529R 0-6 DREDGE_20230918
Method	Parameter	Units																		
SW8082A	Total PCBs	ug/kg	281	1380	229	163	961	146	197	145	< 20.1	504	622	62.9 J	< 24.5	68.2 J	79.0	114	104	189
SW8082A	Aroclor-1016	ug/kg	< 29.0	< 22.5	< 26.5	< 23.4	< 28.2	< 22.5	< 21.4	< 22.7	< 20.1	< 21.0	< 27.1	< 20.2	< 24.5	< 20.8	< 21.0	< 23.5	< 22.3	< 30.3
SW8082A	Aroclor-1221	ug/kg	< 29.0	< 22.5	< 26.5	< 23.4	< 28.2	< 22.5	< 21.4	< 22.7	< 20.1	< 21.0	< 27.1	< 20.2	< 24.5	< 20.8	< 21.0	< 23.5	< 22.3	< 30.3
SW8082A	Aroclor-1232	ug/kg	< 29.0	< 22.5	< 26.5	< 23.4	< 28.2	< 22.5	< 21.4	< 22.7	< 20.1	< 21.0	< 27.1	< 20.2	< 24.5	< 20.8	< 21.0	< 23.5	< 22.3	< 30.3
SW8082A	Aroclor-1242	ug/kg	< 29.0	< 22.5	< 26.5	< 23.4	< 28.2	< 22.5	< 21.4	< 22.7	< 20.1	< 21.0	< 27.1	< 20.2	< 24.5	< 20.8	< 21.0	< 23.5	< 22.3	< 30.3
SW8082A	Aroclor-1248	ug/kg	< 29.0	< 22.5	< 26.5	< 23.4	< 28.2	< 22.5	< 21.4	< 22.7	< 20.1	< 21.0	< 27.1	< 20.2	< 24.5	< 20.8	< 21.0	< 23.5	< 22.3	< 30.3
SW8082A	Aroclor-1254	ug/kg	281	1150	229	163	795	146	197	145	< 20.1	504	622	62.9 J	< 24.5	68.2 J	79.0	114	104	189
SW8082A	Aroclor-1260	ug/kg	< 29.0	231	< 26.5	< 23.4	166	< 22.5	< 21.4	< 22.7	< 20.1	< 21.0	< 27.1	< 20.2	< 24.5	< 20.8	< 21.0	< 23.5	< 22.3	< 30.3
SW8082A	Aroclor-1262	ug/kg	< 29.0	< 22.5	< 26.5	< 23.4	< 28.2	< 22.5	< 21.4	< 22.7	< 20.1	< 21.0	< 27.1	< 20.2	< 24.5	< 20.8	< 21.0	< 23.5	< 22.3	< 30.3
SW8082A	Aroclor-1268	ug/kg	< 29.0	< 22.5	< 26.5	< 23.4	< 28.2	< 22.5	< 21.4	< 22.7	< 20.1	< 21.0	< 27.1	< 20.2	< 24.5	< 20.8	< 21.0	< 23.5	< 22.3	< 30.3
LKahn	Total Organic Carbon	mg/kg	--	17900	--	--	--	--	--	--	--	22500	--	--	--	--	--	--	--	37800

Footnotes:
1. -- = Not analyzed
2. J = Estimated value

Overbank Soil Analytical Results Summary
Downstream of Hayton Millpond Dam
BRRTS No. 02-08-587108

		Sample ID	MR-OB-010L	MR-OB-010L	MR-OB-511R	MR-OB-012L	MR-OB-013L	MR-OB-514R	MR-OB-015L	MR-OB-016L	MR-OB-016L	MR-OB-017L	MR-OB-518R	MR-OB-519R	MR-OB-519R	MR-OB-520R	MR-OB-521R	MR-OB-522R	MR-OB-523R	MR-OB-524R	MR-OB-524R
		Type	N	FR	N	N	N	N	N	N	FD	N	N	N	FR	N	N	N	N	N	FD
		Sample Date	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/13/2023	09/13/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/13/2023	09/13/2023
		SYS_SAMPLE_CODE	MR OB 010L 0-6_20230911	MR OB REP 01_20230911	MR OB 511R 0-6_20230911	MR OB 012L 0-6_20230911	MR OB 013L 0-6_20230911	MR OB 514R 0-6_20230911	MR OB 015L 0-6_20230911	MR OB 016L 0-6_20230913	MR OB DUP 01_20230913	MR OB 017L 0-6_20230911	MR OB 518R 0-6_20230911	MR OB 519R 0-6_20230911	MR OB REP 02_20230911	MR OB 520R 0-6_20230911	MR OB 521R 0-6_20230911	MR OB 522R 0-6_20230911	MR OB 523R 0-6_20230911	MR OB 524R 0-6_20230913	MR OB DUP 02_20230913
Method	Parameter	Units																			
SW8082A	Total PCBs	ug/kg	376	398	522	107	382	73.9 J	738	< 21.1	< 20.8	109	755	404	281	737	1540	1040	659	1040	1150
SW8082A	Aroclor-1016	ug/kg	< 22.1	< 22.1	< 18.2	< 18.2	< 23.5	< 23.1	< 20.0	< 21.1	< 20.8	< 28.2	< 21.3	< 27.8	< 28.7	< 21.2	< 41.0	< 24.6	< 20.7	< 25.0	< 25.2
SW8082A	Aroclor-1221	ug/kg	< 22.1	< 22.1	< 18.2	< 18.2	< 23.5	< 23.1	< 20.0	< 21.1	< 20.8	< 28.2	< 21.3	< 27.8	< 28.7	< 21.2	< 41.0	< 24.6	< 20.7	< 25.0	< 25.2
SW8082A	Aroclor-1232	ug/kg	< 22.1	< 22.1	< 18.2	< 18.2	< 23.5	< 23.1	< 20.0	< 21.1	< 20.8	< 28.2	< 21.3	< 27.8	< 28.7	< 21.2	< 41.0	< 24.6	< 20.7	< 25.0	< 25.2
SW8082A	Aroclor-1242	ug/kg	< 22.1	< 22.1	< 18.2	< 18.2	< 23.5	< 23.1	< 20.0	< 21.1	< 20.8	< 28.2	< 21.3	< 27.8	< 28.7	< 21.2	< 41.0	< 24.6	< 20.7	< 25.0	< 25.2
SW8082A	Aroclor-1248	ug/kg	< 22.1	< 22.1	< 18.2	< 18.2	< 23.5	< 23.1	< 20.0	< 21.1	< 20.8	< 28.2	< 21.3	< 27.8	< 28.7	< 21.2	< 41.0	< 24.6	< 20.7	< 25.0	< 25.2
SW8082A	Aroclor-1254	ug/kg	376	398	522	107	382	73.9 J	738	< 21.1	< 20.8	109	755	404	281	737	1540	1040	659	1040	1150
SW8082A	Aroclor-1260	ug/kg	< 22.1	< 22.1	< 18.2	< 18.2	< 23.5	< 23.1	< 20.0	< 21.1	< 20.8	< 28.2	< 21.3	< 27.8	< 28.7	< 21.2	< 41.0	< 24.6	< 20.7	< 25.0	< 25.2
SW8082A	Aroclor-1262	ug/kg	< 22.1	< 22.1	< 18.2	< 18.2	< 23.5	< 23.1	< 20.0	< 21.1	< 20.8	< 28.2	< 21.3	< 27.8	< 28.7	< 21.2	< 41.0	< 24.6	< 20.7	< 25.0	< 25.2
SW8082A	Aroclor-1268	ug/kg	< 22.1	< 22.1	< 18.2	< 18.2	< 23.5	< 23.1	< 20.0	< 21.1	< 20.8	< 28.2	< 21.3	< 27.8	< 28.7	< 21.2	< 41.0	< 24.6	< 20.7	< 25.0	< 25.2
LKahn	Total Organic Carbon	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Footnotes:
1. -- = Not analyzed
2. J = Estimated value

Point Bar Sediment Analytical Results Summary
Downstream of Hayton Millpond Dam
BRRTS No. 02-08-587108

		Sample ID	MR-PBS-010L	MR-PBS-511R	MR-PBS-511R	MR-PBS-012L	MR-PBS-513R	MR-PBS-514R	MR-PBS-015L	MR-PBS-516R	MR-PBS-516R	MR-PBS-017L
		Type	N	N	FR	N	N	N	N	N	FR	N
		Sample Date	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023
		SYS_SAMPLE_CODE	MR PBS 010L A_UW_20230913	MR PBS 511R A_UW_20230913	MR PBS REP 02_20230913	MR PBS 012L A_AW_20230913	MR PBS 513R A_AW_20230912	MR PBS 514R A_AW_20230912	MR PBS 015L A_AW_20230912	MR PBS 516R A_AW_20230912	MR PBS REP 1_20230912	MR PBS 017L A_AW_20230912
Method	Parameter	Units										
SW8082A	Total PCBs	ug/kg	< 23.0	622	485	< 19.4	2770	287	399	2040	785	< 22.9
SW8082A	Aroclor-1016	ug/kg	< 23.0	< 19.5	< 21.5	< 19.4	< 72.7	< 22.3	< 21.4	< 69.7	< 22.2	< 22.9
SW8082A	Aroclor-1221	ug/kg	< 23.0	< 19.5	< 21.5	< 19.4	< 72.7	< 22.3	< 21.4	< 69.7	< 22.2	< 22.9
SW8082A	Aroclor-1232	ug/kg	< 23.0	< 19.5	< 21.5	< 19.4	< 72.7	< 22.3	< 21.4	< 69.7	< 22.2	< 22.9
SW8082A	Aroclor-1242	ug/kg	< 23.0	89.5	< 21.5	< 19.4	< 72.7	< 22.3	< 21.4	< 69.7	< 22.2	< 22.9
SW8082A	Aroclor-1248	ug/kg	< 23.0	< 19.5	102	< 19.4	< 72.7	< 22.3	< 21.4	< 69.7	< 22.2	< 22.9
SW8082A	Aroclor-1254	ug/kg	< 23.0	532	383	< 19.4	2770	287	399	2040	785	< 22.9
SW8082A	Aroclor-1260	ug/kg	< 23.0	< 19.5	< 21.5	< 19.4	< 72.7	< 22.3	< 21.4	< 69.7	< 22.2	< 22.9
SW8082A	Aroclor-1262	ug/kg	< 23.0	< 19.5	< 21.5	< 19.4	< 72.7	< 22.3	< 21.4	< 69.7	< 22.2	< 22.9
SW8082A	Aroclor-1268	ug/kg	< 23.0	< 19.5	< 21.5	< 19.4	< 72.7	< 22.3	< 21.4	< 69.7	< 22.2	< 22.9
LKahn	Total Organic Carbon	mg/kg	--	--	--	--	--	--	--	--	--	--

Footnotes:
1. -- = Not analyzed
2. J = Estimated value

Surface Water Analytical Results Summary
Downstream of Hayton Millpond Dam
BRRTS No. 02-08-587108

	Sample ID		MR-SW-010	MR-SW-511	MR-SW-512	MR-SW-513	MR-SW-513	MR-SW-EB	MR-SW-FB
	Type		N	N	N	N	FD	EB	FB
	Sample Date		09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023
	SYS_SAMPLE_CODE		MR-SW-010L-202309	MR-SW-511R-202309	MR-SW-512R-202309	MR-SW-513R-202309	MR-SW-DUP1-202309	MR-SW-EB1-202309	MR-SW-FB1-202309
Method	Parameter	Units							
SM2540D	Total Suspended Solids (TSS)	mg/L	6.4	7.6	19.0	43.1	30.5	--	--
SM5310C	Dissolved Organic Carbon	mg/L	8.2	8.4	9.2	8.7	9.4	--	--
SM5310C	Total Organic Carbon	mg/L	7.3	7.7	8.6	8.9	8.8	--	--
E1668C	PCB-1 (2-MoCB)	ng/L	0.0887	0.0578	0.0451 J+	0.0361 J+	< 0.0338 UJ	0.00573 J	< 0.00532
E1668C	PCB-2 (3-MoCB)	ng/L	< 0.00944 UJ	< 0.00575 UJ	< 0.00549 UJ	< 0.00782 UJ	< 0.00689 UJ	< 0.00493	0.00501 J
E1668C	PCB-3 (4-MoCB)	ng/L	< 0.00985 UJ	< 0.00742 UJ	< 0.00672 UJ	< 0.00771 UJ	< 0.00788 UJ	< 0.00631 UJ	< 0.00678 UJ
E1668C	PCB-4 (2,2'-DiCB)	ng/L	0.340	0.204	0.174	0.137	0.135	< 0.00729	< 0.00717
E1668C	PCB-5 (2,3-DiCB)	ng/L	< 0.00175	< 0.00175	< 0.00175	< 0.00178	< 0.00181	< 0.00178	< 0.00175
E1668C	PCB-6 (2,3'-DiCB)	ng/L	0.186	0.109	0.0955	0.0907	0.0933	< 0.00910	< 0.00895
E1668C	PCB-7 (2,4-DiCB)	ng/L	0.0437	0.0248 J	0.0218 J	0.0203 J	0.0213 J	< 0.00902	< 0.00887
E1668C	PCB-8 (2,4'-DiCB)	ng/L	0.0554 J+	< 0.0381 UJ	< 0.0382 UJ	0.0404 J+	0.0429 J+	0.0120 J	< 0.0117
E1668C	PCB-9 (2,5-DiCB)	ng/L	0.0441	0.0276 J	0.0230 J	0.0221 J	0.0232 J	< 0.00239	< 0.00235
E1668C	PCB-10 (2,6-DiCB)	ng/L	0.00628 J	0.00360 J	< 0.00280	< 0.00284	< 0.00289	< 0.00283	< 0.00279
E1668C	PCB-11 (3,3'-DiCB)	ng/L	< 0.147 UJ	< 0.139	< 0.139	< 0.158 UJ	< 0.160 UJ	0.149 J	0.145 J
E1668C	PCB-12/13 (3.4-DiCB and/or 3.4'-DiCB)	ng/L	0.00884 J	0.00620 J	< 0.00504	< 0.00511	0.00620 J	< 0.00510	< 0.00502
E1668C	PCB-14 (3,5-DiCB)	ng/L	< 0.00167	< 0.00167	< 0.00168	< 0.00170	< 0.00173	< 0.00170	< 0.00167
E1668C	PCB-15 (4,4'-DiCB)	ng/L	0.0185 J	0.0138 J	0.0134 J	0.0131 J	0.0147 J	< 0.00586	< 0.00576
E1668C	PCB-16 (2,2',3-TrCB)	ng/L	0.0166 J	0.0119 J	0.0128 J	0.0138 J	0.0141 J	< 0.00597	< 0.00588
E1668C	PCB-17 (2,2',4-TrCB)	ng/L	0.180	0.118	0.106	0.100	0.105	0.00579 J	< 0.00492
E1668C	PCB-18/30 (2,2',5-TrCB and/or 2,4,6-TrCB)	ng/L	0.137	0.0970 J+	0.0863 J+	0.0905 J+	0.0937 J+	< 0.0111	0.0111 J
E1668C	PCB-19 (2,2',6-TrCB)	ng/L	0.159	0.0895	0.0836	0.0728	0.0747	< 0.00809	< 0.00795
E1668C	PCB-20/28 (2.3.3'-TrCB and/or 2.4.4'-TrCB)	ng/L	0.261	0.203	0.198	0.201	0.220	< 0.0176	< 0.0174
E1668C	PCB-21/33 (2.3.4-TrCB and/or .2.3',4'-TrCB)	ng/L	0.0857 J	0.0591 J	0.0523 J	0.0555 J	0.0600 J	< 0.0127	< 0.0125
E1668C	PCB-22 (2,3,4'-TrCB)	ng/L	0.0216 J	0.0166 J	0.0163 J	0.0205 J	0.0212 J	< 0.00735	< 0.00723
E1668C	PCB-23 (2,3,5-TrCB)	ng/L	0.00247 J	0.00173 J	< 0.00152	< 0.00154	0.00174 J	< 0.00154	< 0.00151
E1668C	PCB-24 (2,3,6-TrCB)	ng/L	< 0.00182	< 0.00183	< 0.00183	< 0.00186	< 0.00189	< 0.00185	< 0.00182
E1668C	PCB-25 (2,3',4-TrCB)	ng/L	0.267	0.181	0.159	0.170	0.183	< 0.00277	< 0.00273
E1668C	PCB-26/29 (2,3',5-TrCB and/or 2,4,5-TrCB)	ng/L	0.478	0.318	0.285	0.297	0.328	< 0.00444	< 0.00437
E1668C	PCB-27 (2,3',6-TrCB)	ng/L	0.0288 J	0.0193 J	0.0178 J	0.0155 J	0.0159 J	< 0.00196	< 0.00193
E1668C	PCB-31 (2,4',5-TrCB)	ng/L	0.130 J	0.0974 J	0.0954 J	0.104 J	0.109 J	< 0.0171	< 0.0168
E1668C	PCB-32 (2.4'.6-TrCB)	ng/L	0.0929	0.0617	0.0605	0.0826	0.0797	< 0.00710	< 0.00698
E1668C	PCB-34 (2,3',5'-TrCB)	ng/L	0.0264 J	0.0176 J	0.0154 J	0.0150 J	0.0163 J	< 0.00157	< 0.00155
E1668C	PCB-35 (3,3',4-TrCB)	ng/L	0.00308 J	< 0.00306	< 0.00306	< 0.00311	< 0.00316	< 0.00310	< 0.00305
E1668C	PCB-36 (3,3',5-TrCB)	ng/L	< 0.00192	< 0.00193	< 0.00193	< 0.00196	< 0.00200	< 0.00196	< 0.00193
E1668C	PCB-37 (3,4,4'-TrCB)	ng/L	0.0196 J	0.0148 J	0.0127 J	0.0156 J	0.0163 J	< 0.00409	< 0.00403
E1668C	PCB-38 (3,4,5-TrCB)	ng/L	< 0.00142	< 0.00142	< 0.00142	< 0.00144	< 0.00147	< 0.00144	< 0.00142
E1668C	PCB-39 (3,4',5-TrCB)	ng/L	0.00187 J	< 0.00157	< 0.00157	< 0.00160	< 0.00163	< 0.00159	< 0.00157
E1668C	PCB-40/41/71 (2,2',3,3'-TeCB and/or 2,2',3,4-TeCB and/or 2,3',4',6-TeCB)	ng/L	0.297	0.204	0.205	0.231	0.255	< 0.00787	< 0.00774
E1668C	PCB-42 (2,2',3,4'-TeCB)	ng/L	0.206	0.151	0.147	0.163	0.182	< 0.00427	< 0.00420
E1668C	PCB-43/73 (2,2',3,5-TeCB and/or 2.3',5'.6-TeCB)	ng/L	0.0404 J	0.0302 J	0.0282 J	0.0327 J	0.0318 J	< 0.00380	< 0.00374
E1668C	PCB-44/47/65 (2,2',3,5'-TeCB and/or 2,4,2',4'-TeCB and/or 2,3,5,6-TeCB)	ng/L	1.02	0.724	0.747	0.772	0.877	< 0.0181	< 0.0178
E1668C	PCB-45/51 (2,2',3,6-TeCB and/or 2,2',4,6'-TeCB)	ng/L	0.162	0.0987	0.103	0.117	0.126	< 0.00559	< 0.00549
E1668C	PCB-46 (2,2',3,6'-TeCB)	ng/L	0.0773	0.0521	0.0556	0.0614	0.0654	< 0.00221	< 0.00217
E1668C	PCB-48 (2,2',4,5-TeCB)	ng/L	0.0117 J	0.00795 J	0.00749 J	0.0107 J	0.0128 J	< 0.00283	< 0.00279
E1668C	PCB-49/69 (2,2',4,5'-TeCB and/or 2,3',4,6-TeCB)	ng/L	1.44	1.02	0.996	1.05	1.16	0.00771 J	0.00703 J
E1668C	PCB-50/53 (2,2',4,6-TeCB and/or 2,2',5,6'-TeCB)	ng/L	0.320	0.230	0.226	0.251	0.262	< 0.00368	< 0.00362
E1668C	PCB-52 (2.2'.5.5'-TeCB)	ng/L	1.91	1.35	1.29	1.40	1.57	0.0185 J	0.0173 J
E1668C	PCB-54 (2.2'.6.6'-TeCB)	ng/L	0.0199 J	0.0127 J	0.0151 J	0.0141 J	0.0151 J	< 0.00156	< 0.00154
E1668C	PCB-55 (2,3,3',4-TeCB)	ng/L	< 0.00206	< 0.00206	< 0.00207	< 0.00210	0.00240 J	< 0.00209	< 0.00206
E1668C	PCB-56 (2,3,3',4'-TeCB)	ng/L	0.0514	0.0356 J	0.0381 J	0.0501	0.0590	< 0.00983	< 0.00967
E1668C	PCB-57 (2,3,3',5-TeCB)	ng/L	0.0528	0.0342 J	0.0343 J	0.0323 J	0.0361 J	< 0.00146	< 0.00143
E1668C	PCB-58 (2,3,3',5'-TeCB)	ng/L	0.00983 J	0.00825 J	0.00846 J	0.00885 J	0.0101 J	< 0.00185	< 0.00182
E1668C	PCB-59/62/75 (2,3,3',6-TeCB and/or 2,3,4,6-TeCB and/or 2,4,4',6-TeCB)	ng/L	0.0569 J	0.0374 J	0.0379 J	0.0401 J	0.0426 J	< 0.00403	< 0.00397
E1668C	PCB-60 (2,3,4,4'-TeCB)	ng/L	0.00623 J	0.00413 J	0.00557 J	0.00690 J	0.00824 J	< 0.00334	< 0.00328
E1668C	PCB-61/70/74/76 (2,3,4,5-TeCB and/or 2,3',4',5-TeCB and/or 2,4,4',5-TeCB and/or 2,3',4',5'-TeCB)	ng/L	0.342	0.248	0.268	0.340	0.392	< 0.0312	< 0.0307
E1668C	PCB-63 (2,3,4',5-TeCB)	ng/L	0.0384	0.0279 J	0.0270 J	0.0294 J	0.0353 J	< 0.00170	< 0.00167
E1668C	PCB-64 (2,3,4',6-TeCB)	ng/L	0.118	0.0845	0.0876	0.0985	0.112	< 0.00545	< 0.00536
E1668C	PCB-66 (2,3',4,4'-TeCB)	ng/L	0.297	0.212	0.223	0.260	0.311	< 0.0213	< 0.0210
E1668C	PCB-67 (2,3',4,5-TeCB)	ng/L	0.0306 J	0.0218 J	0.0206 J	0.0211 J	0.0259 J	< 0.00219	< 0.00216
E1668C	PCB-68 (2,3',4,5'-TeCB)	ng/L	0.0440	0.0300 J	0.0293 J	0.0338 J	0.0364 J	< 0.00244	< 0.00240
E1668C	PCB-72 (2,3',5,5'-TeCB)	ng/L	0.0566	0.0403	0.0415	0.0449	0.0529	< 0.00172	< 0.00169
E1668C	PCB-77 (3,3',4,4'-TeCB)	ng/L	0.0191 J	0.0142 J	0.0171 J	0.0208 J	0.0250 J	< 0.00258	< 0.00254
E1668C	PCB-78 (3,3',4,5-TeCB)	ng/L	< 0.00221	< 0.00222	< 0.00222	< 0.00225	< 0.00229	< 0.00225	< 0.00221
E1668C	PCB-79 (3.3',4.5'-TeCB)	ng/L	0.00938 J	0.00810 J	0.00874 J	0.0131 J	0.0144 J	< 0.00227	< 0.00223
E1668C	PCB-80 (3.3'.5.5'-TeCB)	ng/L	< 0.00204	< 0.00204	< 0.00205	< 0.00208	< 0.00212	< 0.00208	< 0.00204
E1668C	PCB-81 (3,4,4',5-TeCB)	ng/L	< 0.00170	< 0.00171	< 0.00171	< 0.00174	< 0.00177	< 0.00173	< 0.00171
E1668C	PCB-82 (2,2',3,3',4-PeCB)	ng/L	0.0404	0.0346 J	0.0398	0.0578	0.0722	< 0.00250	< 0.00246
E1668C	PCB-83 (2,2',3,3',5-PeCB)	ng/L	0.102	0.0731	0.0595	0.0761	0.109	< 0.00233	< 0.00229
E1668C	PCB-84 (2,2',3,3',6-PeCB)	ng/L	0.252	0.186	0.193	0.229	0.272	< 0.0129	< 0.0127
E1668C	PCB-85/116/117 (2,2',3,4,4'-PeCB and/or 2,3,4,5,6-PeCB and/or 2,3,4',5,6-PeCB)	ng/L	0.136	0.107 J	0.121	0.162	0.193	< 0.00506	< 0.00498
E1668C	PCB-86/87/97/108/119/125 (2,2',3,4,5-PeCB and/or 2,2',3,4,5'-PeCB and/or 2,2',3,4',5'-PeCB and/or 2,3,3',4,5'-PeCB and/or 2,3',4,4',6-PeCB and/or 2,3',4',5',6-PeCB	ng/L	0.490	0.388	0.418	0.555	0.688	< 0.0148	< 0.0146
E1668C	PCB-88/91 (2,2',3,4,6-PeCB and/or 2,2',3,4',6-PeCB)	ng/L	0.275	0.204	0.203	0.234	0.272	< 0.00481	< 0.00473
E1668C	PCB-89 (2.2',3,4.6'-PeCB)	ng/L	0.00711 J	0.00477 J	0.00491 J	0.00628 J	0.00847 J	< 0.00304	< 0.00299
E1668C	PCB-90/101/113 (2,2',3,4',5-PeCB and/or 2,2',4,5,5'-PeCB and/or 2,3,3',5',6-PeCB)	ng/L	0.924	0.733	0.778	0.998	1.23	0.0120 J	< 0.0114
E1668C	PCB-92 (2,2',3,5,5'-PeCB)	ng/L	0.450	0.336	0.343	0.381	0.456	< 0.00382	< 0.00376
E1668C	PCB-93/98/100/102 (2,2',3,5,6-PeCB and/or 2,2',3,4',6'-PeCB and/or 2,2',4,4',6-PeCB and/or 2,2',4,5,6'-PeCB)	ng/L	0.107 J	0.0721 J	0.0755 J	0.0791 J	0.0968 J	< 0.00551	< 0.00542
E1668C	PCB-94 (2,2',3,5,6'-PeCB)	ng/L	0.0339 J	0.0233 J	0.0218 J	0.0255 J	0.0273 J	< 0.00184	< 0.00181
E1668C	PCB-95 (2,2',3,5',6-PeCB)	ng/L	0.823	0.630	0.636	0.779	0.926	< 0.0113 UJ	< 0.00843 UJ
E1668C	PCB-96 (2,2',3,6,6'-PeCB)	ng/L	0.0118 J	0.00859 J	0.00887 J	0.0111 J	0.0128 J	< 0.00306	< 0.00301
E1668C	PCB-99 (2,2',4,4',5-PeCB)	ng/L	0.484	0.384	0.423	0.519	0.640	< 0.00576	< 0.00567
E1668C	PCB-103 (2.2'.4.5'.6-PeCB)	ng/L	0.0394	0.0279 J	0.0282 J	0.0285 J	0.0344 J	< 0.00191	< 0.00188
E1668C	PCB-104 (2,2',4,6,6'-PeCB)	ng/L	< 0.00146	< 0.00146	< 0.00147	< 0.00149	< 0.00152	< 0.00149	< 0.00146
E1668C	PCB-105 (2,3,3',4,4'-PeCB)	ng/L	0.170	0.135	0.171	0.241	0.313	< 0.00553	< 0.00544
E1668C	PCB-106 (2,3,3',4,5-PeCB)	ng/L	< 0.00170	< 0.00171	< 0.00171	< 0.00174	< 0.00177	< 0.00173	< 0.00170
E1668C	PCB-107/124 (2,3,3',4',5-PeCB and/or 2,3',4',5,5'-PeCB)	ng/L	0.0196 J	0.0163 J	0.0200 J	0.0288 J	0.0372 J	< 0.00256	< 0.00252
E1668C	PCB-109 (2,3,3',4,6-PeCB)	ng/L	0.0893	0.0694	0.0753	0.0948	0.121	< 0.00194	< 0.00191
E1668C	PCB-110/115 (2,3,3',4',6-PeCB and/or 2,3,4,4',6-PeCB)	ng/L	1.44	1.08	1.13	1.42	1.75	< 0.0126	< 0.0124
E1668C	PCB-111 (2,3,3',5,5'-PeCB)	ng/L	0.00500 J	0.00311 J	0.00360 J	0.00357 J	0.00411 J	< 0.00200	< 0.00196
E1668C	PCB-112 (2.3.3'.5.6-PeCB)	ng/L	< 0.00169	< 0.00170	< 0.00170	< 0.00173	< 0.00176	< 0.00172	< 0.00170
E1668C	PCB-114 (2.3.4.4'.5-PeCB)	ng/L	0.00720 J	0.00495 J	0.00486 J	0.00754 J	0.00899 J	< 0.00223	< 0.00219
E1668C	PCB-118 (2,3',4,4',5-PeCB)	ng/L	0.703	0.563	0.632	0.858	1.10	< 0.00873	< 0.00858
E1668C	PCB-120 (2,3',4,5,5'-PeCB)	ng/L	0.0129 J	0.00870 J	0.00959 J	0.00981 J	0.0118 J	< 0.00166	< 0.00163
E1668C	PCB-121 (2,3',4,5',6-PeCB)	ng/L	0.00207 J	< 0.00125	0.00139 J	< 0.00127	< 0.00129	< 0.00127	< 0.00125
E1668C	PCB-122 (2,3,3',4',5'-PeCB)	ng/L	0.00749 J	0.00513 J	0.00575 J	0.00870 J	0.0109 J	< 0.00189	< 0.00186
E1668C	PCB-123 (2,3',4,4',5'-PeCB)	ng/L	0.00701 J	0.00921 J	0.00977 J	0.0113 J	0.0168 J	< 0.00215	< 0.00212
E1668C	PCB-126 (3,3',4,4',5-PeCB)	ng/L	0.00301 J	< 0.00214	0.00281 J	0.00322 J	0.00413 J	< 0.00217	< 0.00214
E1668C	PCB-127 (3.3'.4.5.5'-PeCB)	ng/L	< 0.00128	< 0.00128	< 0.00129	< 0.00130	< 0.00133	< 0.00130	< 0.00128
E1668C	PCB-128/166 (2.2'.3.3'.4.4'-HxCB and/or 2.3.4.4'.5.6-HxCB)	ng/L	0.129	0.119	0.135	0.166	0.221	< 0.00425	< 0.00418
E1668C	PCB-129/138/163 (2,2',3,3',4,5-HxCB and/or 2,2',3,4,4',5'-HxCB and/or 2,3,3',4',5,6-HxCB)	ng/L	0.792	0.707	0.835	0.972	1.28	< 0.0107	< 0.0105
E1668C	PCB-130 (2,2',3,3',4,5'-HxCB)	ng/L	0.0707	0.0605	0.0661	0.0839	0.110	< 0.00213	< 0.00210
E1668C	PCB-131 (2,2',3,3',4,6-HxCB)	ng/L	0.0111 J	0.00892 J	0.00907 J	0.0131 J	0.0192 J	< 0.00275	< 0.00271
E1668C	PCB-132 (2,2',3,3',4,6'-HxCB)	ng/L	0.326	0.256	0.282	0.340	0.450	< 0.00401	< 0.00395
E1668C	PCB-133 (2,2',3,3',5,5'-HxCB)	ng/L	0.0287 J	0.0231 J	0.0262 J	0.0244 J	0.0329 J	< 0.00260	< 0.00256
E1668C	PCB-134/143 (2,2',3,3',5,6-HxCB and/or 2,2',3,4,5,6'-HxCB)	ng/L	0.0649 J	0.0522 J	0.0583 J	0.0664 J	0.0873	< 0.00390	< 0.00383
E1668C	PCB-135/151 (2,2',3,3',6-PeCB and/or 2,2',3,5,5',6-HxCB)	ng/L	0.309	0.252	0.271	0.293	0.379	< 0.00506	< 0.00498
E1668C	PCB-136 (2.2'.3'.6.6'-HxCB)	ng/L	0.114	0.0895	0.0930	0.105	0.136	< 0.00279	< 0.00275
E1668C	PCB-137 (2,2',3,4,4',5-HxCB)	ng/L	0.0366 J	0.0309 J	0.0400	0.0422	0.0700	< 0.00250	< 0.00246
E1668C	PCB-139/140 (2,2',3,4,4',6-HxCB and/or 2,2',3,4,4',6'-HxCB)	ng/L	0.0236 J	0.0167 J	0.0195 J	0.0217 J	0.0304 J	< 0.00429	< 0.00422
E1668C	PCB-141 (2,2',3,4,5,5'-HxCB)	ng/L	0.0746	0.0639	0.0786	0.107	0.141	< 0.00240	< 0.00237
E1668C	PCB-142 (2,2',3,4,5,6-HxCB)	ng/L	< 0.00185	< 0.00185	< 0.00186	< 0.00188	< 0.00192	< 0.00188	< 0.00185
E1668C	PCB-144 (2,2',3,4,5',6-HxCB)	ng/L	0.0207 J	0.0176 J	0.0211 J	0.0283 J	0.0343 J	< 0.00204	< 0.00200
E1668C	PCB-145 (2,2',3,4,6,6'-HxCB)	ng/L	< 0.00192	< 0.00193	< 0.00193	< 0.00196	< 0.00200	< 0.00196	< 0.00193
E1668C	PCB-146 (2,2',3,4',5,5'-HxCB)	ng/L	0.144	0.118	0.135	0.146	0.193	< 0.00248	< 0.00244
E1668C	PCB-147/149 (2.2'.3.4'.5.6-HxCB and/or 2.2'.3.4'.5'.6-HxCB)	ng/L	0.710	0.554	0.606	0.694	0.910	< 0.00877	< 0.00862
E1668C	PCB-148 (2.2'.3.4'.5.6'-HxCB)	ng/L	0.00538 J	0.00377 J	0.00381 J	0.00290 J	0.00353 J	< 0.00229	< 0.00225
E1668C	PCB-150 (2,2',3,4',6,6'-HxCB)	ng/L	0.00373 J	0.00315 J	0.00299 J	0.00259 J	0.00323 J	< 0.00127	< 0.00125
E1668C	PCB-152 (2,2',3,5,6,6'-HxCB)	ng/L	< 0.00204	< 0.00204	< 0.00205	< 0.00208	0.00216 J	< 0.00208	< 0.00204
E1668C	PCB-153/168 (2,2',4,4',5,5'-HxCB and/or 2,3',4,4',5',6-HxCB)	ng/L	0.549	0.479	0.550	0.646	0.855	< 0.00753	< 0.00740
E1668C	PCB-154 (2,2',4,4',5,6'-HxCB)	ng/L	0.0251 J	0.0190 J	0.0192 J	0.0176 J	0.0237 J	< 0.00171	< 0.00168
E1668C	PCB-155 (2,2',4,4',6,6'-HxCB)	ng/L	< 0.00147	< 0.00148	< 0.00148	< 0.00150	< 0.00153	< 0.00150	< 0.00147
E1668C	PCB-156/157 (2,3,3',4,4',5-HxCB and/or 2,3,3',4,4',5'-HxCB)	ng/L	0.0974	0.0845	0.0974	0.132	0.173	< 0.00434	< 0.00427
E1668C	PCB-158 (2.3.3'.4.4'.6-HxCB)	ng/L	0.0601	0.0539	0.0674	0.0833	0.108	< 0.00252	< 0.00248
E1668C	PCB-159 (2.3.3'.4.5.5'-HxCB)	ng/L	< 0.00269	< 0.00269	< 0.00270	< 0.00274	0.00366 J	< 0.00273	< 0.00269
E1668C	PCB-160 (2,3,3',4,5,6-HxCB)	ng/L	< 0.00248	< 0.00248	< 0.00249	< 0.00253	< 0.00257	< 0.00252	< 0.00248
E1668C	PCB-161 (2,3,3',4,5',6-HxCB)	ng/L	< 0.00179	< 0.00179	< 0.00180	< 0.00182	< 0.00185	< 0.00182	< 0.00179
E1668C	PCB-162 (2,3,3',4',5,5'-HxCB)	ng/L	0.00380 J	< 0.00223	0.00295 J	0.00376 J	0.00496 J	< 0.00227	< 0.00223
E1668C	PCB-164 (2,3,3',4',5',6-HxCB)	ng/L	0.0470	0.0426	0.0476	0.0666	0.0779	< 0.00237	< 0.00233
E1668C	PCB-165 (2,3,3',5,5',6-HxCB)	ng/L	0.00340 J	0.00222 J	< 0.00199	0.00220 J	0.00243 J	< 0.00202	< 0.00198

E1668C	PCB-167 (2,3',4,4',5,5'-HxCB)	ng/L	0.0340 J	0.0271 J	0.0380 J	0.0438	0.0637	< 0.00209	< 0.00206
E1668C	PCB-169 (3,3',4,4',5,5'-HxCB)	ng/L	< 0.00154	< 0.00154	< 0.00155	< 0.00157	< 0.00160	< 0.00157	< 0.00154
E1668C	PCB-170 (2,2',3,3',4,4',5-HpCB)	ng/L	0.0953	0.0797	0.0897	0.106	0.141	< 0.00485	< 0.00477
E1668C	PCB-171/173 (2,2',3,3',4,4',6-HpCB and/or 2,2',3,3',4,5,6-HpCB)	ng/L	0.0353 J	0.0278 J	0.0306 J	0.0371 J	0.0508 J	< 0.00593	< 0.00584
E1668C	PCB-172 (2,2',3,3',4,5,5'-HpCB)	ng/L	0.0159 J	0.0155 J	0.0160 J	0.0187 J	0.0270 J	< 0.0138	< 0.0135
E1668C	PCB-174 (2,2',3,3',4,5,6'-HpCB)	ng/L	0.0760	0.0588	0.0669	0.0771	0.109	< 0.00312	< 0.00307
E1668C	PCB-175 (2,2',3,3',4,5',6-HpCB)	ng/L	0.00362 J	0.00361 J	0.00371 J	0.00365 J	0.00529 J	< 0.00148	< 0.00146
E1668C	PCB-176 (2,2',3,3',4,6,6'-HpCB)	ng/L	0.0132 J	0.0105 J	0.00990 J	0.0113 J	0.0151 J	< 0.00219	< 0.00216
E1668C	PCB-177 (2,2',3,3',4,5',6'-HpCB)	ng/L	0.0736	0.0538	0.0604	0.0634	0.0948	< 0.00328	< 0.00322
E1668C	PCB-178 (2,2',3,3',5,5',6-HpCB)	ng/L	0.0274 J	0.0238 J	0.0250 J	0.0242 J	0.0323 J	< 0.00221	< 0.00217
E1668C	PCB-179 (2,2',3,3',5,6,6'-HpCB)	ng/L	0.0439	0.0356 J	0.0342 J	0.0392	0.0505	< 0.00237	< 0.00233
E1668C	PCB-180/193 (2,2',3,4,4',5,5'-HpCB and/or 2,3,3',4',5,5',6-HpCB)	ng/L	0.155	0.124	0.146	0.170	0.221	< 0.00561	< 0.00551
E1668C	PCB-181 (2,2',3,4,4',5,6-HpCB)	ng/L	< 0.00263	< 0.00264	< 0.00264	< 0.00268	0.00373 J	< 0.00268	< 0.00263
E1668C	PCB-182 (2,2',3,4,4',5,6'-HpCB)	ng/L	< 0.00248	< 0.00248	< 0.00249	< 0.00253	< 0.00257	< 0.00252	< 0.00248
E1668C	PCB-183/185 (2,2',3,4,4',5',6-HpCB and/or 2,2',3,4,5,5',6-HpCB)	ng/L	0.0498 J	0.0424 J	0.0503 J	0.0559 J	0.0714 J	< 0.00555	< 0.00546
E1668C	PCB-184 (2,2',3,4,4',6,6'-HpCB)	ng/L	< 0.00200	< 0.00201	< 0.00201	< 0.00204	< 0.00208	< 0.00204	< 0.00200
E1668C	PCB-186 (2,2',3,4,5,6,6'-HpCB)	ng/L	< 0.00151	< 0.00151	< 0.00151	< 0.00154	< 0.00156	< 0.00153	< 0.00151
E1668C	PCB-187 (2,2',3,4',5,5',6-HpCB)	ng/L	0.113	0.0994	0.103	0.106	0.140	< 0.00320	< 0.00315
E1668C	PCB-188 (2,2',3,4',5,6,6'-HpCB)	ng/L	< 0.00238	< 0.00239	< 0.00239	< 0.00243	< 0.00247	< 0.00242	< 0.00238
E1668C	PCB-189 (2,3,3',4,4',5,5'-HpCB)	ng/L	0.00625 J	0.00496 J	0.00685 J	0.00539 J	0.00737 J	< 0.00211	< 0.00208
E1668C	PCB-190 (2,3,3',4,4',5,6-HpCB)	ng/L	0.0190 J	0.0160 J	0.0188 J	0.0204 J	0.0266 J	< 0.00248	< 0.00244
E1668C	PCB-191 (2,3,3',4,4',5',6-HpCB)	ng/L	0.00305 J	0.00282 J	0.00289 J	0.00286 J	0.00467 J	< 0.00213	< 0.00210
E1668C	PCB-192 (2,3,3',4,5,5',6-HpCB)	ng/L	< 0.00238	< 0.00239	< 0.00239	< 0.00243	< 0.00247	< 0.00242	< 0.00238
E1668C	PCB-194 (2,2',3,3',4,4',5,5'-OcCB)	ng/L	0.0289 J	0.0228 J	0.0246 J	0.0283 J	0.0365 J	< 0.00183	< 0.00180
E1668C	PCB-195 (2,2',3,3',4,4',5,6-OcCB)	ng/L	0.0138 J	0.00947 J	0.00956 J	0.0122 J	0.0135 J	< 0.00169	< 0.00166
E1668C	PCB-196 (2,2',3,3',4,4',5,6'-OcCB)	ng/L	0.0138 J	0.0115 J	0.0128 J	0.0131 J	0.0166 J	< 0.00171	< 0.00168
E1668C	PCB-197/200 (2,2',3,3',4,4',6,6'-OcCB and/or 2,2',3,3',4,5,6,6'-OcCB)	ng/L	0.00616 J	0.00467 J	0.00523 J	0.00534 J	0.00697 J	< 0.00462	< 0.00454
E1668C	PCB-198/199 (2,2',3,3',4,5,5',6-OcCB and/or 2,2',3,3',4,5,5',6'-OcCB)	ng/L	0.0356 J	0.0246 J	0.0341 J	0.0348 J	0.0427 J	< 0.00277	< 0.00273
E1668C	PCB-201 (2,2',3,3',4,5',6,6'-OcCB)	ng/L	0.00409 J	0.00411 J	0.00340 J	0.00339 J	0.00463 J	< 0.00141	< 0.00139
E1668C	PCB-202 (2,2',3,3',5,5',6,6'-OcCB)	ng/L	0.00876 J	0.00675 J	0.00856 J	0.00726 J	0.0106 J	< 0.00227	< 0.00223
E1668C	PCB-203 (2,2',3,4,4',5,5',6-OcCB)	ng/L	0.0172 J	0.0144 J	0.0168 J	0.0177 J	0.0224 J	< 0.00178	< 0.00175
E1668C	PCB-204 (2,2',3,4,4',5,6,6'-OcCB)	ng/L	< 0.00162	< 0.00162	< 0.00163	< 0.00165	< 0.00168	< 0.00165	< 0.00162
E1668C	PCB-205 (2,3,3',4,4',5,5',6-OcCB)	ng/L	< 0.00191	< 0.00191	< 0.00192	< 0.00194	0.00265 J	< 0.00194	< 0.00191
E1668C	PCB-206 (2,2',3,3',4,4',5,5',6-NoCB)	ng/L	0.00948 J	0.00954 J	0.00939 J	0.0126 J	0.0130 J	< 0.00376	< 0.00370
E1668C	PCB-207 (2,2',3,3',4,4',5,6,6'-NoCB)	ng/L	< 0.00221	< 0.00222	< 0.00222	< 0.00225	< 0.00229	< 0.00225	< 0.00221
E1668C	PCB-208 (2,2',3,3',4,5,5',6,6'-NoCB)	ng/L	0.00276 J	< 0.00216	< 0.00216	< 0.00220	0.00283 J	< 0.00219	< 0.00216
E1668C	PCB-209 (DeCB) (Decachlorobiphenyl)	ng/L	< 0.0166	< 0.0166	< 0.0167	< 0.0169	< 0.0172	< 0.0169	< 0.0166
E1668C	Total Monochloro Biphenyls	ng/L	0.108 J	0.0635 J	0.0451	0.0438 J	0.0407 J	0.0120 J	0.0118 J
E1668C	Total Dichloro Biphenyls	ng/L	0.850 J	0.421 J	0.366 J	0.481 J	0.497 J	0.161 J	0.145 J
E1668C	Total Trichloro Biphenyls	ng/L	1.91 J	1.31 J	1.20 J	1.25 J	1.34 J	0.00579 J	0.0111 J
E1668C	Total Tetrachloro Biphenyls	ng/L	6.63 J	4.68 J	4.67 J	5.10 J	5.72 J	< 0.0312	0.0243 J
E1668C	Total Pentachloro Biphenyls	ng/L	6.64 J	5.10 J	5.42 J	6.83 J	8.41 J	0.0233 J	0.00843 J
E1668C	Total Hexachloro Biphenyls	ng/L	3.68 J	3.08 J	3.50 J	4.10 J	5.41 J	< 0.0107	< 0.0105
E1668C	Total Heptachloro Biphenyls	ng/L	0.711 J	0.595 J	0.661 J	0.738 J	1.00 J	< 0.0138	< 0.0135
E1668C	Total Octachloro Biphenyls	ng/L	0.124 J	0.0737 J	0.102 J	0.111 J	0.143 J	< 0.00462	< 0.00454
E1668C	Total Nonachloro Biphenyls	ng/L	0.00276 J	0.00954 J	0.00939 J	0.0126 J	0.0130 J	< 0.00376	< 0.00370
E1668C	Polychlorinated biphenyls (Total PCBs)	ng/L	20.7 J	15.3 J	16.0 J	18.7 J	22.6 J	0.202 J	0.200 J

Footnotes:
1. -- = Not analyzed
2. J = Estimated value
3. J+ = Estimated value, potential high bias
4. UJ = Estimated non-detect

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

October 10, 2023

Chris Harvey
TRC Environmental
230 W. Monroe St
Suite 630
Chicago, IL 60606

RE: Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Dear Chris Harvey:

Enclosed are the analytical results for sample(s) received by the laboratory on September 13, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

Report revised to include case narrative.

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

Sincerely,

Tod Noltemeyer

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

Enclosures

cc: Jessica Esser, TRC
Robert Hanley, TRC
Maddie Holicky, TRC
Peggy Popp, TRC - Madison
Ben Wachholz, TRC Madison

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

CERTIFICATIONS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40268021001	**MR SCR 517R D/AW**	Solid	09/12/23 12:12	09/13/23 17:10
40268021002	**MR SCR 016L D/AW**	Solid	09/12/23 13:21	09/13/23 17:10
40268021003	**MR SCR 016L C/AW**	Solid	09/12/23 13:23	09/13/23 17:10
40268021004	**MR SCR 016L B/AW**	Solid	09/12/23 13:26	09/13/23 17:10
40268021005	**MR SCR 016L A/UW**	Solid	09/12/23 13:29	09/13/23 17:10
40268021006	**MR SCR 515R D/AW**	Solid	09/12/23 14:46	09/13/23 17:10
40268021007	**MR SCR 515R C/AW**	Solid	09/12/23 14:50	09/13/23 17:10
40268021008	**MR SCR REP 1**	Solid	09/12/23 00:00	09/13/23 17:10
40268021009	**MR SCR 515R B/AW**	Solid	09/12/23 14:52	09/13/23 17:10
40268021010	**MR SCR 515R A/AW**	Solid	09/12/23 14:54	09/13/23 17:10
40268021011	**MR SCR 014L D/AW**	Solid	09/12/23 15:43	09/13/23 17:10
40268021012	**MR SCR 014L C/AW**	Solid	09/12/23 15:51	09/13/23 17:10
40268021013	**MR SCR 014L B/AW**	Solid	09/12/23 15:53	09/13/23 17:10
40268021014	**MR OB 010L 0-6**	Solid	09/11/23 17:00	09/13/23 17:10
40268021015	**MR OB 511R 0-6**	Solid	09/11/23 16:40	09/13/23 17:10
40268021016	**MR OB 012L 0-6**	Solid	09/11/23 15:45	09/13/23 17:10
40268021017	**MR OB 013L 0-6**	Solid	09/11/23 16:05	09/13/23 17:10
40268021018	**MR OB 514R 0-6**	Solid	09/11/23 15:05	09/13/23 17:10
40268021019	**MR OB 015L 0-6**	Solid	09/11/23 13:30	09/13/23 17:10
40268021020	**MR OB 017L 0-6**	Solid	09/11/23 14:10	09/13/23 17:10
40268021021	**MR OB 518R 0-6**	Solid	09/11/23 12:30	09/13/23 17:10
40268021022	**MR OB 519R 0-6**	Solid	09/11/23 11:50	09/13/23 17:10
40268021023	**MR OB 520R 0-6**	Solid	09/11/23 12:05	09/13/23 17:10
40268021024	**MR OB 521R 0-6**	Solid	09/11/23 10:35	09/13/23 17:10
40268021025	**MR OB 522R 0-6**	Solid	09/11/23 10:15	09/13/23 17:10
40268021026	**MR OB 523R 0-6**	Solid	09/11/23 09:55	09/13/23 17:10
40268021027	**MR OB REP 01**	Solid	09/11/23 00:00	09/13/23 17:10
40268021028	**MR OB REP 02**	Solid	09/11/23 00:00	09/13/23 17:10
40268021029	**MR SCR 014L A/AW**	Solid	09/12/23 15:55	09/13/23 17:10
40268021030	**MR SCR EB 1**	Water	09/12/23 16:40	09/13/23 17:10
40268021031	**MR SCR 013L D/AW**	Solid	09/12/23 17:41	09/13/23 17:10
40268021032	**MR SCR 013L C/AW**	Solid	09/12/23 17:42	09/13/23 17:10
40268021033	**MR SCR 013L B/AW**	Solid	09/12/23 17:43	09/13/23 17:10
40268021034	**MR SCR 013L A/AW**	Solid	09/12/23 17:44	09/13/23 17:10
40268021035	**MR PBS 017L B/AW**	Solid	09/12/23 19:56	09/13/23 17:10
40268021036	**MR PBS 017L A/AW**	Solid	09/12/23 19:54	09/13/23 17:10
40268021037	**MR PBS 516R B/AW**	Solid	09/12/23 20:22	09/13/23 17:10

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40268021038	**MR PBS 516R A/AW**	Solid	09/12/23 20:25	09/13/23 17:10
40268021039	**MR PBS REP 1**	Solid	09/12/23 00:00	09/13/23 17:10
40268021040	**MR PBS 015L B/AW**	Solid	09/12/23 20:37	09/13/23 17:10
40268021041	**MR PBS 015L A/AW**	Solid	09/12/23 20:40	09/13/23 17:10
40268021042	**MR PBS 514R B/AW**	Solid	09/12/23 21:24	09/13/23 17:10
40268021043	**MR PBS 514R A/AW**	Solid	09/12/23 21:27	09/13/23 17:10
40268021044	**MR PBS 513R B/AW**	Solid	09/12/23 21:00	09/13/23 17:10
40268021045	**MR PBS 513R A/AW**	Solid	09/12/23 21:03	09/13/23 17:10
40268021046	**MR OB EB 01**	Water	09/12/23 21:45	09/13/23 17:10
40268021047	**MR IC 526R 0-6**	Solid	09/12/23 10:15	09/13/23 17:10
40268021048	**MR IC 526R 6-9**	Solid	09/12/23 10:15	09/13/23 17:10
40268021049	**MR IC 921C 0-6**	Solid	09/12/23 11:15	09/13/23 17:10
40268021050	**MR IC 921C 6-9**	Solid	09/12/23 11:17	09/13/23 17:10
40268021051	**MR IC 013L 0-6**	Solid	09/12/23 11:30	09/13/23 17:10
40268021052	**MR IC 013L 6-10**	Solid	09/12/23 11:32	09/13/23 17:10

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40268021001	**MR SCR 517R D/AW**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021002	**MR SCR 016L D/AW**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021003	**MR SCR 016L C/AW**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021004	**MR SCR 016L B/AW**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021005	**MR SCR 016L A/UW**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021006	**MR SCR 515R D/AW**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021007	**MR SCR 515R C/AW**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021008	**MR SCR REP 1**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021009	**MR SCR 515R B/AW**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021010	**MR SCR 515R A/AW**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021011	**MR SCR 014L D/AW**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021012	**MR SCR 014L C/AW**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021013	**MR SCR 014L B/AW**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021014	**MR OB 010L 0-6**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021015	**MR OB 511R 0-6**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021016	**MR OB 012L 0-6**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021017	**MR OB 013L 0-6**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021018	**MR OB 514R 0-6**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021019	**MR OB 015L 0-6**	EPA 8082A	BLM	12	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974-87	MYH	1	PASI-G
40268021020	MR OB 017L 0-6	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021021	MR OB 518R 0-6	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021022	MR OB 519R 0-6	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021023	MR OB 520R 0-6	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021024	MR OB 521R 0-6	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021025	MR OB 522R 0-6	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021026	MR OB 523R 0-6	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021027	MR OB REP 01	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021028	MR OB REP 02	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021029	MR SCR 014L A/AW	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021030	MR SCR EB 1	EPA 8082A	BLM	12	PASI-G
40268021031	MR SCR 013L D/AW	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021032	MR SCR 013L C/AW	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021033	MR SCR 013L B/AW	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021034	MR SCR 013L A/AW	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021036	MR PBS 017L A/AW	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021038	MR PBS 516R A/AW	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021039	MR PBS REP 1	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021041	MR PBS 015L A/AW	EPA 8082A	BLM	12	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974-87	MYH	1	PASI-G
40268021043	**MR PBS 514R A/AW**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021045	**MR PBS 513R A/AW**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021046	**MR OB EB 01**	EPA 8082A	BLM	12	PASI-G
40268021048	**MR IC 526R 6-9**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
		ASTM D6913	AXW	14	PASI-G
		Lloyd Kahn	TJJ	1	PASI-G
40268021050	**MR IC 921C 6-9**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40268021052	**MR IC 013L 6-10**	EPA 8082A	BLM	12	PASI-G
		ASTM D2974-87	MYH	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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

PROJECT NARRATIVE

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Method: **EPA 8082A**
Description: 8082A GCS PCB
Client: TRC - MADISON
Date: October 10, 2023

General Information:
42 samples were analyzed for EPA 8082A by Pace Analytical Services Green Bay. 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 3541 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.

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

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

PROJECT NARRATIVE

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Method: **EPA 8082A**
Description: 8082A GCS PCB Low Volume
Client: TRC - MADISON
Date: October 10, 2023

General Information:
2 samples were analyzed for EPA 8082A by Pace Analytical Services Green Bay. 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 3510 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.

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

Batch Comments:

MS/MSD was shared with HBN:454982
- QC Batch: 455064

Pace Analytical Services, LLC
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(920)469-2436

PROJECT NARRATIVE

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Method: **ASTM D6913**
Description: ASTM D6913 Grain Size
Client: TRC - MADISON
Date: October 10, 2023

General Information:
1 sample was analyzed for ASTM D6913 by Pace Analytical Services Green Bay. 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.

Additional Comments:

Batch Comments:

coarse & fine sieved 9/25/23; assisted by ALH
- QC Batch: 455342

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Method: **Lloyd Kahn**
Description: TOC via Lloyd Kahn
Client: TRC - MADISON
Date: October 10, 2023

General Information:
1 sample was analyzed for Lloyd Kahn by Pace Analytical Services Green Bay. 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.

H1: Analysis conducted outside the recognized method holding time.
- MR IC 526R 6-9 (Lab ID: 40268021048)

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: 456147

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40268405004,40268405008

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- MS (Lab ID: 2619480)
  - Total Organic Carbon

Additional Comments:

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

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 517R D/AW **Lab ID: 40268021001** Collected: 09/12/23 12:12 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**1120**	ug/kg	56.4	17.2	1	09/15/23 09:08	09/15/23 15:36	1336-36-3	
PCB-1016 (Aroclor 1016)	**<17.2**	ug/kg	56.4	17.2	1	09/15/23 09:08	09/15/23 15:36	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.2**	ug/kg	56.4	17.2	1	09/15/23 09:08	09/15/23 15:36	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.2**	ug/kg	56.4	17.2	1	09/15/23 09:08	09/15/23 15:36	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.2**	ug/kg	56.4	17.2	1	09/15/23 09:08	09/15/23 15:36	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.2**	ug/kg	56.4	17.2	1	09/15/23 09:08	09/15/23 15:36	12672-29-6	
PCB-1254 (Aroclor 1254)	**1120**	ug/kg	56.4	17.2	1	09/15/23 09:08	09/15/23 15:36	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.2**	ug/kg	56.4	17.2	1	09/15/23 09:08	09/15/23 15:36	11096-82-5	
PCB-1262 (Aroclor 1262)	**<17.2**	ug/kg	56.4	17.2	1	09/15/23 09:08	09/15/23 15:36	37324-23-5	
PCB-1268 (Aroclor 1268)	**<17.2**	ug/kg	56.4	17.2	1	09/15/23 09:08	09/15/23 15:36	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	93	%	44-120		1	09/15/23 09:08	09/15/23 15:36	877-09-8	
Decachlorobiphenyl (S)	79	%	34-120		1	09/15/23 09:08	09/15/23 15:36	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**11.4**	%	0.10	0.10	1		09/18/23 09:29		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 016L D/AW **Lab ID: 40268021002** Collected: 09/12/23 13:21 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**214**	ug/kg	56.1	17.1	1	09/15/23 09:08	09/15/23 15:59	1336-36-3	
PCB-1016 (Aroclor 1016)	**<17.1**	ug/kg	56.1	17.1	1	09/15/23 09:08	09/15/23 15:59	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.1**	ug/kg	56.1	17.1	1	09/15/23 09:08	09/15/23 15:59	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.1**	ug/kg	56.1	17.1	1	09/15/23 09:08	09/15/23 15:59	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.1**	ug/kg	56.1	17.1	1	09/15/23 09:08	09/15/23 15:59	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.1**	ug/kg	56.1	17.1	1	09/15/23 09:08	09/15/23 15:59	12672-29-6	
PCB-1254 (Aroclor 1254)	**214**	ug/kg	56.1	17.1	1	09/15/23 09:08	09/15/23 15:59	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.1**	ug/kg	56.1	17.1	1	09/15/23 09:08	09/15/23 15:59	11096-82-5	
PCB-1262 (Aroclor 1262)	**<17.1**	ug/kg	56.1	17.1	1	09/15/23 09:08	09/15/23 15:59	37324-23-5	
PCB-1268 (Aroclor 1268)	**<17.1**	ug/kg	56.1	17.1	1	09/15/23 09:08	09/15/23 15:59	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	97	%	44-120		1	09/15/23 09:08	09/15/23 15:59	877-09-8	
Decachlorobiphenyl (S)	83	%	34-120		1	09/15/23 09:08	09/15/23 15:59	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**10.8**	%	0.10	0.10	1		09/18/23 09:29		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 016L C/AW **Lab ID: 40268021003** Collected: 09/12/23 13:23 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**29.3J**	ug/kg	63.4	19.3	1	09/15/23 09:08	09/15/23 16:23	1336-36-3	
PCB-1016 (Aroclor 1016)	**<19.3**	ug/kg	63.4	19.3	1	09/15/23 09:08	09/15/23 16:23	12674-11-2	
PCB-1221 (Aroclor 1221)	**<19.3**	ug/kg	63.4	19.3	1	09/15/23 09:08	09/15/23 16:23	11104-28-2	
PCB-1232 (Aroclor 1232)	**<19.3**	ug/kg	63.4	19.3	1	09/15/23 09:08	09/15/23 16:23	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.3**	ug/kg	63.4	19.3	1	09/15/23 09:08	09/15/23 16:23	53469-21-9	
PCB-1248 (Aroclor 1248)	**<19.3**	ug/kg	63.4	19.3	1	09/15/23 09:08	09/15/23 16:23	12672-29-6	
PCB-1254 (Aroclor 1254)	**29.3J**	ug/kg	63.4	19.3	1	09/15/23 09:08	09/15/23 16:23	11097-69-1	
PCB-1260 (Aroclor 1260)	**<19.3**	ug/kg	63.4	19.3	1	09/15/23 09:08	09/15/23 16:23	11096-82-5	
PCB-1262 (Aroclor 1262)	**<19.3**	ug/kg	63.4	19.3	1	09/15/23 09:08	09/15/23 16:23	37324-23-5	
PCB-1268 (Aroclor 1268)	**<19.3**	ug/kg	63.4	19.3	1	09/15/23 09:08	09/15/23 16:23	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	97	%	44-120		1	09/15/23 09:08	09/15/23 16:23	877-09-8	
Decachlorobiphenyl (S)	81	%	34-120		1	09/15/23 09:08	09/15/23 16:23	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**21.1**	%	0.10	0.10	1		09/18/23 09:30		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 016L B/AW **Lab ID: 40268021004** Collected: 09/12/23 13:26 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**181**	ug/kg	71.4	21.7	1	09/15/23 09:08	09/15/23 17:34	1336-36-3	
PCB-1016 (Aroclor 1016)	**<21.7**	ug/kg	71.4	21.7	1	09/15/23 09:08	09/15/23 17:34	12674-11-2	
PCB-1221 (Aroclor 1221)	**<21.7**	ug/kg	71.4	21.7	1	09/15/23 09:08	09/15/23 17:34	11104-28-2	
PCB-1232 (Aroclor 1232)	**<21.7**	ug/kg	71.4	21.7	1	09/15/23 09:08	09/15/23 17:34	11141-16-5	
PCB-1242 (Aroclor 1242)	**<21.7**	ug/kg	71.4	21.7	1	09/15/23 09:08	09/15/23 17:34	53469-21-9	
PCB-1248 (Aroclor 1248)	**<21.7**	ug/kg	71.4	21.7	1	09/15/23 09:08	09/15/23 17:34	12672-29-6	
PCB-1254 (Aroclor 1254)	**181**	ug/kg	71.4	21.7	1	09/15/23 09:08	09/15/23 17:34	11097-69-1	
PCB-1260 (Aroclor 1260)	**<21.7**	ug/kg	71.4	21.7	1	09/15/23 09:08	09/15/23 17:34	11096-82-5	
PCB-1262 (Aroclor 1262)	**<21.7**	ug/kg	71.4	21.7	1	09/15/23 09:08	09/15/23 17:34	37324-23-5	
PCB-1268 (Aroclor 1268)	**<21.7**	ug/kg	71.4	21.7	1	09/15/23 09:08	09/15/23 17:34	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	96	%	44-120		1	09/15/23 09:08	09/15/23 17:34	877-09-8	
Decachlorobiphenyl (S)	82	%	34-120		1	09/15/23 09:08	09/15/23 17:34	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**29.9**	%	0.10	0.10	1		09/18/23 09:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 016L A/UW **Lab ID: 40268021005** Collected: 09/12/23 13:29 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**<24.5**	ug/kg	80.4	24.5	1	09/15/23 09:08	09/15/23 17:58	1336-36-3	
PCB-1016 (Aroclor 1016)	**<24.5**	ug/kg	80.4	24.5	1	09/15/23 09:08	09/15/23 17:58	12674-11-2	
PCB-1221 (Aroclor 1221)	**<24.5**	ug/kg	80.4	24.5	1	09/15/23 09:08	09/15/23 17:58	11104-28-2	
PCB-1232 (Aroclor 1232)	**<24.5**	ug/kg	80.4	24.5	1	09/15/23 09:08	09/15/23 17:58	11141-16-5	
PCB-1242 (Aroclor 1242)	**<24.5**	ug/kg	80.4	24.5	1	09/15/23 09:08	09/15/23 17:58	53469-21-9	
PCB-1248 (Aroclor 1248)	**<24.5**	ug/kg	80.4	24.5	1	09/15/23 09:08	09/15/23 17:58	12672-29-6	
PCB-1254 (Aroclor 1254)	**<24.5**	ug/kg	80.4	24.5	1	09/15/23 09:08	09/15/23 17:58	11097-69-1	
PCB-1260 (Aroclor 1260)	**<24.5**	ug/kg	80.4	24.5	1	09/15/23 09:08	09/15/23 17:58	11096-82-5	
PCB-1262 (Aroclor 1262)	**<24.5**	ug/kg	80.4	24.5	1	09/15/23 09:08	09/15/23 17:58	37324-23-5	
PCB-1268 (Aroclor 1268)	**<24.5**	ug/kg	80.4	24.5	1	09/15/23 09:08	09/15/23 17:58	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	44-120		1	09/15/23 09:08	09/15/23 17:58	877-09-8	
Decachlorobiphenyl (S)	71	%	34-120		1	09/15/23 09:08	09/15/23 17:58	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**37.6**	%	0.10	0.10	1		09/18/23 09:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 515R D/AW **Lab ID: 40268021006** Collected: 09/12/23 14:46 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**885**	ug/kg	56.6	17.2	1	09/15/23 09:08	09/15/23 18:21	1336-36-3	
PCB-1016 (Aroclor 1016)	**<17.2**	ug/kg	56.6	17.2	1	09/15/23 09:08	09/15/23 18:21	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.2**	ug/kg	56.6	17.2	1	09/15/23 09:08	09/15/23 18:21	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.2**	ug/kg	56.6	17.2	1	09/15/23 09:08	09/15/23 18:21	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.2**	ug/kg	56.6	17.2	1	09/15/23 09:08	09/15/23 18:21	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.2**	ug/kg	56.6	17.2	1	09/15/23 09:08	09/15/23 18:21	12672-29-6	
PCB-1254 (Aroclor 1254)	**885**	ug/kg	56.6	17.2	1	09/15/23 09:08	09/15/23 18:21	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.2**	ug/kg	56.6	17.2	1	09/15/23 09:08	09/15/23 18:21	11096-82-5	
PCB-1262 (Aroclor 1262)	**<17.2**	ug/kg	56.6	17.2	1	09/15/23 09:08	09/15/23 18:21	37324-23-5	
PCB-1268 (Aroclor 1268)	**<17.2**	ug/kg	56.6	17.2	1	09/15/23 09:08	09/15/23 18:21	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	94	%	44-120		1	09/15/23 09:08	09/15/23 18:21	877-09-8	
Decachlorobiphenyl (S)	82	%	34-120		1	09/15/23 09:08	09/15/23 18:21	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**11.4**	%	0.10	0.10	1		09/18/23 09:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 515R C/AW **Lab ID: 40268021007** Collected: 09/12/23 14:50 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**232**	ug/kg	61.8	18.8	1	09/15/23 09:08	09/15/23 18:44	1336-36-3	
PCB-1016 (Aroclor 1016)	**<18.8**	ug/kg	61.8	18.8	1	09/15/23 09:08	09/15/23 18:44	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.8**	ug/kg	61.8	18.8	1	09/15/23 09:08	09/15/23 18:44	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.8**	ug/kg	61.8	18.8	1	09/15/23 09:08	09/15/23 18:44	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.8**	ug/kg	61.8	18.8	1	09/15/23 09:08	09/15/23 18:44	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.8**	ug/kg	61.8	18.8	1	09/15/23 09:08	09/15/23 18:44	12672-29-6	
PCB-1254 (Aroclor 1254)	**232**	ug/kg	61.8	18.8	1	09/15/23 09:08	09/15/23 18:44	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.8**	ug/kg	61.8	18.8	1	09/15/23 09:08	09/15/23 18:44	11096-82-5	
PCB-1262 (Aroclor 1262)	**<18.8**	ug/kg	61.8	18.8	1	09/15/23 09:08	09/15/23 18:44	37324-23-5	
PCB-1268 (Aroclor 1268)	**<18.8**	ug/kg	61.8	18.8	1	09/15/23 09:08	09/15/23 18:44	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	89	%	44-120		1	09/15/23 09:08	09/15/23 18:44	877-09-8	
Decachlorobiphenyl (S)	75	%	34-120		1	09/15/23 09:08	09/15/23 18:44	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**18.9**	%	0.10	0.10	1		09/18/23 09:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR REP 1 **Lab ID: 40268021008** Collected: 09/12/23 00:00 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**194**	ug/kg	61.7	18.8	1	09/15/23 09:08	09/15/23 19:08	1336-36-3	
PCB-1016 (Aroclor 1016)	**<18.8**	ug/kg	61.7	18.8	1	09/15/23 09:08	09/15/23 19:08	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.8**	ug/kg	61.7	18.8	1	09/15/23 09:08	09/15/23 19:08	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.8**	ug/kg	61.7	18.8	1	09/15/23 09:08	09/15/23 19:08	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.8**	ug/kg	61.7	18.8	1	09/15/23 09:08	09/15/23 19:08	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.8**	ug/kg	61.7	18.8	1	09/15/23 09:08	09/15/23 19:08	12672-29-6	
PCB-1254 (Aroclor 1254)	**194**	ug/kg	61.7	18.8	1	09/15/23 09:08	09/15/23 19:08	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.8**	ug/kg	61.7	18.8	1	09/15/23 09:08	09/15/23 19:08	11096-82-5	
PCB-1262 (Aroclor 1262)	**<18.8**	ug/kg	61.7	18.8	1	09/15/23 09:08	09/15/23 19:08	37324-23-5	
PCB-1268 (Aroclor 1268)	**<18.8**	ug/kg	61.7	18.8	1	09/15/23 09:08	09/15/23 19:08	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	91	%	44-120		1	09/15/23 09:08	09/15/23 19:08	877-09-8	
Decachlorobiphenyl (S)	79	%	34-120		1	09/15/23 09:08	09/15/23 19:08	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**18.8**	%	0.10	0.10	1		09/18/23 09:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 515R B/AW **Lab ID: 40268021009** Collected: 09/12/23 14:52 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**71.9**	ug/kg	64.1	19.5	1	09/15/23 09:08	09/15/23 19:31	1336-36-3	
PCB-1016 (Aroclor 1016)	**<19.5**	ug/kg	64.1	19.5	1	09/15/23 09:08	09/15/23 19:31	12674-11-2	
PCB-1221 (Aroclor 1221)	**<19.5**	ug/kg	64.1	19.5	1	09/15/23 09:08	09/15/23 19:31	11104-28-2	
PCB-1232 (Aroclor 1232)	**<19.5**	ug/kg	64.1	19.5	1	09/15/23 09:08	09/15/23 19:31	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.5**	ug/kg	64.1	19.5	1	09/15/23 09:08	09/15/23 19:31	53469-21-9	
PCB-1248 (Aroclor 1248)	**<19.5**	ug/kg	64.1	19.5	1	09/15/23 09:08	09/15/23 19:31	12672-29-6	
PCB-1254 (Aroclor 1254)	**71.9**	ug/kg	64.1	19.5	1	09/15/23 09:08	09/15/23 19:31	11097-69-1	
PCB-1260 (Aroclor 1260)	**<19.5**	ug/kg	64.1	19.5	1	09/15/23 09:08	09/15/23 19:31	11096-82-5	
PCB-1262 (Aroclor 1262)	**<19.5**	ug/kg	64.1	19.5	1	09/15/23 09:08	09/15/23 19:31	37324-23-5	
PCB-1268 (Aroclor 1268)	**<19.5**	ug/kg	64.1	19.5	1	09/15/23 09:08	09/15/23 19:31	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	91	%	44-120		1	09/15/23 09:08	09/15/23 19:31	877-09-8	
Decachlorobiphenyl (S)	78	%	34-120		1	09/15/23 09:08	09/15/23 19:31	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**21.9**	%	0.10	0.10	1		09/18/23 09:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 515R A/AW **Lab ID: 40268021010** Collected: 09/12/23 14:54 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**28.2J**	ug/kg	74.7	22.7	1	09/15/23 09:08	09/15/23 19:55	1336-36-3	
PCB-1016 (Aroclor 1016)	**<22.7**	ug/kg	74.7	22.7	1	09/15/23 09:08	09/15/23 19:55	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.7**	ug/kg	74.7	22.7	1	09/15/23 09:08	09/15/23 19:55	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.7**	ug/kg	74.7	22.7	1	09/15/23 09:08	09/15/23 19:55	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.7**	ug/kg	74.7	22.7	1	09/15/23 09:08	09/15/23 19:55	53469-21-9	
PCB-1248 (Aroclor 1248)	**<22.7**	ug/kg	74.7	22.7	1	09/15/23 09:08	09/15/23 19:55	12672-29-6	
PCB-1254 (Aroclor 1254)	**28.2J**	ug/kg	74.7	22.7	1	09/15/23 09:08	09/15/23 19:55	11097-69-1	
PCB-1260 (Aroclor 1260)	**<22.7**	ug/kg	74.7	22.7	1	09/15/23 09:08	09/15/23 19:55	11096-82-5	
PCB-1262 (Aroclor 1262)	**<22.7**	ug/kg	74.7	22.7	1	09/15/23 09:08	09/15/23 19:55	37324-23-5	
PCB-1268 (Aroclor 1268)	**<22.7**	ug/kg	74.7	22.7	1	09/15/23 09:08	09/15/23 19:55	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	92	%	44-120		1	09/15/23 09:08	09/15/23 19:55	877-09-8	
Decachlorobiphenyl (S)	76	%	34-120		1	09/15/23 09:08	09/15/23 19:55	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**32.9**	%	0.10	0.10	1		09/18/23 09:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 014L D/AW **Lab ID: 40268021011** Collected: 09/12/23 15:43 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**443**	ug/kg	56.2	17.1	1	09/15/23 09:08	09/15/23 20:18	1336-36-3	
PCB-1016 (Aroclor 1016)	**<17.1**	ug/kg	56.2	17.1	1	09/15/23 09:08	09/15/23 20:18	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.1**	ug/kg	56.2	17.1	1	09/15/23 09:08	09/15/23 20:18	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.1**	ug/kg	56.2	17.1	1	09/15/23 09:08	09/15/23 20:18	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.1**	ug/kg	56.2	17.1	1	09/15/23 09:08	09/15/23 20:18	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.1**	ug/kg	56.2	17.1	1	09/15/23 09:08	09/15/23 20:18	12672-29-6	
PCB-1254 (Aroclor 1254)	**443**	ug/kg	56.2	17.1	1	09/15/23 09:08	09/15/23 20:18	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.1**	ug/kg	56.2	17.1	1	09/15/23 09:08	09/15/23 20:18	11096-82-5	
PCB-1262 (Aroclor 1262)	**<17.1**	ug/kg	56.2	17.1	1	09/15/23 09:08	09/15/23 20:18	37324-23-5	
PCB-1268 (Aroclor 1268)	**<17.1**	ug/kg	56.2	17.1	1	09/15/23 09:08	09/15/23 20:18	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	92	%	44-120		1	09/15/23 09:08	09/15/23 20:18	877-09-8	
Decachlorobiphenyl (S)	79	%	34-120		1	09/15/23 09:08	09/15/23 20:18	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**10.9**	%	0.10	0.10	1		09/18/23 09:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 014L C/AW **Lab ID: 40268021012** Collected: 09/12/23 15:51 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**36.9J**	ug/kg	58.1	17.7	1	09/15/23 09:08	09/15/23 20:41	1336-36-3	
PCB-1016 (Aroclor 1016)	**<17.7**	ug/kg	58.1	17.7	1	09/15/23 09:08	09/15/23 20:41	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.7**	ug/kg	58.1	17.7	1	09/15/23 09:08	09/15/23 20:41	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.7**	ug/kg	58.1	17.7	1	09/15/23 09:08	09/15/23 20:41	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.7**	ug/kg	58.1	17.7	1	09/15/23 09:08	09/15/23 20:41	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.7**	ug/kg	58.1	17.7	1	09/15/23 09:08	09/15/23 20:41	12672-29-6	
PCB-1254 (Aroclor 1254)	**36.9J**	ug/kg	58.1	17.7	1	09/15/23 09:08	09/15/23 20:41	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.7**	ug/kg	58.1	17.7	1	09/15/23 09:08	09/15/23 20:41	11096-82-5	
PCB-1262 (Aroclor 1262)	**<17.7**	ug/kg	58.1	17.7	1	09/15/23 09:08	09/15/23 20:41	37324-23-5	
PCB-1268 (Aroclor 1268)	**<17.7**	ug/kg	58.1	17.7	1	09/15/23 09:08	09/15/23 20:41	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	95	%	44-120		1	09/15/23 09:08	09/15/23 20:41	877-09-8	
Decachlorobiphenyl (S)	80	%	34-120		1	09/15/23 09:08	09/15/23 20:41	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.2**	%	0.10	0.10	1		09/18/23 09:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 014L B/AW **Lab ID: 40268021013** Collected: 09/12/23 15:53 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**33.7J**	ug/kg	59.2	18.0	1	09/15/23 09:08	09/15/23 21:05	1336-36-3	
PCB-1016 (Aroclor 1016)	**<18.0**	ug/kg	59.2	18.0	1	09/15/23 09:08	09/15/23 21:05	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.0**	ug/kg	59.2	18.0	1	09/15/23 09:08	09/15/23 21:05	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.0**	ug/kg	59.2	18.0	1	09/15/23 09:08	09/15/23 21:05	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.0**	ug/kg	59.2	18.0	1	09/15/23 09:08	09/15/23 21:05	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.0**	ug/kg	59.2	18.0	1	09/15/23 09:08	09/15/23 21:05	12672-29-6	
PCB-1254 (Aroclor 1254)	**33.7J**	ug/kg	59.2	18.0	1	09/15/23 09:08	09/15/23 21:05	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.0**	ug/kg	59.2	18.0	1	09/15/23 09:08	09/15/23 21:05	11096-82-5	
PCB-1262 (Aroclor 1262)	**<18.0**	ug/kg	59.2	18.0	1	09/15/23 09:08	09/15/23 21:05	37324-23-5	
PCB-1268 (Aroclor 1268)	**<18.0**	ug/kg	59.2	18.0	1	09/15/23 09:08	09/15/23 21:05	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	96	%	44-120		1	09/15/23 09:08	09/15/23 21:05	877-09-8	
Decachlorobiphenyl (S)	82	%	34-120		1	09/15/23 09:08	09/15/23 21:05	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**15.8**	%	0.10	0.10	1		09/18/23 09:50		

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB 010L 0-6 **Lab ID: 40268021014** Collected: 09/11/23 17:00 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**376**	ug/kg	72.8	22.1	1	09/15/23 09:08	09/15/23 21:28	1336-36-3	
PCB-1016 (Aroclor 1016)	**<22.1**	ug/kg	72.8	22.1	1	09/15/23 09:08	09/15/23 21:28	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.1**	ug/kg	72.8	22.1	1	09/15/23 09:08	09/15/23 21:28	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.1**	ug/kg	72.8	22.1	1	09/15/23 09:08	09/15/23 21:28	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.1**	ug/kg	72.8	22.1	1	09/15/23 09:08	09/15/23 21:28	53469-21-9	
PCB-1248 (Aroclor 1248)	**<22.1**	ug/kg	72.8	22.1	1	09/15/23 09:08	09/15/23 21:28	12672-29-6	
PCB-1254 (Aroclor 1254)	**376**	ug/kg	72.8	22.1	1	09/15/23 09:08	09/15/23 21:28	11097-69-1	
PCB-1260 (Aroclor 1260)	**<22.1**	ug/kg	72.8	22.1	1	09/15/23 09:08	09/15/23 21:28	11096-82-5	
PCB-1262 (Aroclor 1262)	**<22.1**	ug/kg	72.8	22.1	1	09/15/23 09:08	09/15/23 21:28	37324-23-5	
PCB-1268 (Aroclor 1268)	**<22.1**	ug/kg	72.8	22.1	1	09/15/23 09:08	09/15/23 21:28	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	85	%	44-120		1	09/15/23 09:08	09/15/23 21:28	877-09-8	
Decachlorobiphenyl (S)	73	%	34-120		1	09/15/23 09:08	09/15/23 21:28	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**31.3**	%	0.10	0.10	1		09/18/23 09:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB 511R 0-6 **Lab ID: 40268021015** Collected: 09/11/23 16:40 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**522**	ug/kg	59.7	18.2	1	09/15/23 09:08	09/15/23 21:52	1336-36-3	
PCB-1016 (Aroclor 1016)	**<18.2**	ug/kg	59.7	18.2	1	09/15/23 09:08	09/15/23 21:52	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.2**	ug/kg	59.7	18.2	1	09/15/23 09:08	09/15/23 21:52	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.2**	ug/kg	59.7	18.2	1	09/15/23 09:08	09/15/23 21:52	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.2**	ug/kg	59.7	18.2	1	09/15/23 09:08	09/15/23 21:52	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.2**	ug/kg	59.7	18.2	1	09/15/23 09:08	09/15/23 21:52	12672-29-6	
PCB-1254 (Aroclor 1254)	**522**	ug/kg	59.7	18.2	1	09/15/23 09:08	09/15/23 21:52	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.2**	ug/kg	59.7	18.2	1	09/15/23 09:08	09/15/23 21:52	11096-82-5	
PCB-1262 (Aroclor 1262)	**<18.2**	ug/kg	59.7	18.2	1	09/15/23 09:08	09/15/23 21:52	37324-23-5	
PCB-1268 (Aroclor 1268)	**<18.2**	ug/kg	59.7	18.2	1	09/15/23 09:08	09/15/23 21:52	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	88	%	44-120		1	09/15/23 09:08	09/15/23 21:52	877-09-8	
Decachlorobiphenyl (S)	74	%	34-120		1	09/15/23 09:08	09/15/23 21:52	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**16.6**	%	0.10	0.10	1		09/18/23 09:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB 012L 0-6 **Lab ID: 40268021016** Collected: 09/11/23 15:45 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**107**	ug/kg	59.9	18.2	1	09/14/23 09:27	09/16/23 00:35	1336-36-3	
PCB-1016 (Aroclor 1016)	**<18.2**	ug/kg	59.9	18.2	1	09/14/23 09:27	09/16/23 00:35	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.2**	ug/kg	59.9	18.2	1	09/14/23 09:27	09/16/23 00:35	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.2**	ug/kg	59.9	18.2	1	09/14/23 09:27	09/16/23 00:35	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.2**	ug/kg	59.9	18.2	1	09/14/23 09:27	09/16/23 00:35	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.2**	ug/kg	59.9	18.2	1	09/14/23 09:27	09/16/23 00:35	12672-29-6	
PCB-1254 (Aroclor 1254)	**107**	ug/kg	59.9	18.2	1	09/14/23 09:27	09/16/23 00:35	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.2**	ug/kg	59.9	18.2	1	09/14/23 09:27	09/16/23 00:35	11096-82-5	
PCB-1262 (Aroclor 1262)	**<18.2**	ug/kg	59.9	18.2	1	09/14/23 09:27	09/16/23 00:35	37324-23-5	
PCB-1268 (Aroclor 1268)	**<18.2**	ug/kg	59.9	18.2	1	09/14/23 09:27	09/16/23 00:35	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	88	%	44-120		1	09/14/23 09:27	09/16/23 00:35	877-09-8	
Decachlorobiphenyl (S)	79	%	34-120		1	09/14/23 09:27	09/16/23 00:35	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**16.7**	%	0.10	0.10	1		09/18/23 09:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB 013L 0-6 **Lab ID: 40268021017** Collected: 09/11/23 16:05 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**382**	ug/kg	77.0	23.5	1	09/14/23 09:27	09/16/23 00:58	1336-36-3	
PCB-1016 (Aroclor 1016)	**<23.5**	ug/kg	77.0	23.5	1	09/14/23 09:27	09/16/23 00:58	12674-11-2	
PCB-1221 (Aroclor 1221)	**<23.5**	ug/kg	77.0	23.5	1	09/14/23 09:27	09/16/23 00:58	11104-28-2	
PCB-1232 (Aroclor 1232)	**<23.5**	ug/kg	77.0	23.5	1	09/14/23 09:27	09/16/23 00:58	11141-16-5	
PCB-1242 (Aroclor 1242)	**<23.5**	ug/kg	77.0	23.5	1	09/14/23 09:27	09/16/23 00:58	53469-21-9	
PCB-1248 (Aroclor 1248)	**<23.5**	ug/kg	77.0	23.5	1	09/14/23 09:27	09/16/23 00:58	12672-29-6	
PCB-1254 (Aroclor 1254)	**382**	ug/kg	77.0	23.5	1	09/14/23 09:27	09/16/23 00:58	11097-69-1	
PCB-1260 (Aroclor 1260)	**<23.5**	ug/kg	77.0	23.5	1	09/14/23 09:27	09/16/23 00:58	11096-82-5	
PCB-1262 (Aroclor 1262)	**<23.5**	ug/kg	77.0	23.5	1	09/14/23 09:27	09/16/23 00:58	37324-23-5	
PCB-1268 (Aroclor 1268)	**<23.5**	ug/kg	77.0	23.5	1	09/14/23 09:27	09/16/23 00:58	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	83	%	44-120		1	09/14/23 09:27	09/16/23 00:58	877-09-8	
Decachlorobiphenyl (S)	75	%	34-120		1	09/14/23 09:27	09/16/23 00:58	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**35.0**	%	0.10	0.10	1		09/18/23 09:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB 514R 0-6 **Lab ID: 40268021018** Collected: 09/11/23 15:05 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**73.9J**	ug/kg	75.9	23.1	1	09/14/23 09:27	09/16/23 01:21	1336-36-3	
PCB-1016 (Aroclor 1016)	**<23.1**	ug/kg	75.9	23.1	1	09/14/23 09:27	09/16/23 01:21	12674-11-2	
PCB-1221 (Aroclor 1221)	**<23.1**	ug/kg	75.9	23.1	1	09/14/23 09:27	09/16/23 01:21	11104-28-2	
PCB-1232 (Aroclor 1232)	**<23.1**	ug/kg	75.9	23.1	1	09/14/23 09:27	09/16/23 01:21	11141-16-5	
PCB-1242 (Aroclor 1242)	**<23.1**	ug/kg	75.9	23.1	1	09/14/23 09:27	09/16/23 01:21	53469-21-9	
PCB-1248 (Aroclor 1248)	**<23.1**	ug/kg	75.9	23.1	1	09/14/23 09:27	09/16/23 01:21	12672-29-6	
PCB-1254 (Aroclor 1254)	**73.9J**	ug/kg	75.9	23.1	1	09/14/23 09:27	09/16/23 01:21	11097-69-1	
PCB-1260 (Aroclor 1260)	**<23.1**	ug/kg	75.9	23.1	1	09/14/23 09:27	09/16/23 01:21	11096-82-5	
PCB-1262 (Aroclor 1262)	**<23.1**	ug/kg	75.9	23.1	1	09/14/23 09:27	09/16/23 01:21	37324-23-5	
PCB-1268 (Aroclor 1268)	**<23.1**	ug/kg	75.9	23.1	1	09/14/23 09:27	09/16/23 01:21	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	89	%	44-120		1	09/14/23 09:27	09/16/23 01:21	877-09-8	
Decachlorobiphenyl (S)	74	%	34-120		1	09/14/23 09:27	09/16/23 01:21	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**34.3**	%	0.10	0.10	1		09/18/23 09:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB 015L 0-6 **Lab ID: 40268021019** Collected: 09/11/23 13:30 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**738**	ug/kg	65.6	20.0	1	09/14/23 09:27	09/16/23 01:45	1336-36-3	
PCB-1016 (Aroclor 1016)	**<20.0**	ug/kg	65.6	20.0	1	09/14/23 09:27	09/16/23 01:45	12674-11-2	
PCB-1221 (Aroclor 1221)	**<20.0**	ug/kg	65.6	20.0	1	09/14/23 09:27	09/16/23 01:45	11104-28-2	
PCB-1232 (Aroclor 1232)	**<20.0**	ug/kg	65.6	20.0	1	09/14/23 09:27	09/16/23 01:45	11141-16-5	
PCB-1242 (Aroclor 1242)	**<20.0**	ug/kg	65.6	20.0	1	09/14/23 09:27	09/16/23 01:45	53469-21-9	
PCB-1248 (Aroclor 1248)	**<20.0**	ug/kg	65.6	20.0	1	09/14/23 09:27	09/16/23 01:45	12672-29-6	
PCB-1254 (Aroclor 1254)	**738**	ug/kg	65.6	20.0	1	09/14/23 09:27	09/16/23 01:45	11097-69-1	
PCB-1260 (Aroclor 1260)	**<20.0**	ug/kg	65.6	20.0	1	09/14/23 09:27	09/16/23 01:45	11096-82-5	
PCB-1262 (Aroclor 1262)	**<20.0**	ug/kg	65.6	20.0	1	09/14/23 09:27	09/16/23 01:45	37324-23-5	
PCB-1268 (Aroclor 1268)	**<20.0**	ug/kg	65.6	20.0	1	09/14/23 09:27	09/16/23 01:45	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	44-120		1	09/14/23 09:27	09/16/23 01:45	877-09-8	
Decachlorobiphenyl (S)	73	%	34-120		1	09/14/23 09:27	09/16/23 01:45	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**23.8**	%	0.10	0.10	1		09/18/23 09:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB 017L 0-6 **Lab ID: 40268021020** Collected: 09/11/23 14:10 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**109**	ug/kg	92.6	28.2	1	09/14/23 09:27	09/16/23 02:08	1336-36-3	
PCB-1016 (Aroclor 1016)	**<28.2**	ug/kg	92.6	28.2	1	09/14/23 09:27	09/16/23 02:08	12674-11-2	
PCB-1221 (Aroclor 1221)	**<28.2**	ug/kg	92.6	28.2	1	09/14/23 09:27	09/16/23 02:08	11104-28-2	
PCB-1232 (Aroclor 1232)	**<28.2**	ug/kg	92.6	28.2	1	09/14/23 09:27	09/16/23 02:08	11141-16-5	
PCB-1242 (Aroclor 1242)	**<28.2**	ug/kg	92.6	28.2	1	09/14/23 09:27	09/16/23 02:08	53469-21-9	
PCB-1248 (Aroclor 1248)	**<28.2**	ug/kg	92.6	28.2	1	09/14/23 09:27	09/16/23 02:08	12672-29-6	
PCB-1254 (Aroclor 1254)	**109**	ug/kg	92.6	28.2	1	09/14/23 09:27	09/16/23 02:08	11097-69-1	
PCB-1260 (Aroclor 1260)	**<28.2**	ug/kg	92.6	28.2	1	09/14/23 09:27	09/16/23 02:08	11096-82-5	
PCB-1262 (Aroclor 1262)	**<28.2**	ug/kg	92.6	28.2	1	09/14/23 09:27	09/16/23 02:08	37324-23-5	
PCB-1268 (Aroclor 1268)	**<28.2**	ug/kg	92.6	28.2	1	09/14/23 09:27	09/16/23 02:08	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	72	%	44-120		1	09/14/23 09:27	09/16/23 02:08	877-09-8	
Decachlorobiphenyl (S)	66	%	34-120		1	09/14/23 09:27	09/16/23 02:08	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**46.0**	%	0.10	0.10	1		09/18/23 09:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB 518R 0-6 **Lab ID: 40268021021** Collected: 09/11/23 12:30 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**755**	ug/kg	70.0	21.3	1	09/14/23 09:27	09/16/23 02:31	1336-36-3	
PCB-1016 (Aroclor 1016)	**<21.3**	ug/kg	70.0	21.3	1	09/14/23 09:27	09/16/23 02:31	12674-11-2	
PCB-1221 (Aroclor 1221)	**<21.3**	ug/kg	70.0	21.3	1	09/14/23 09:27	09/16/23 02:31	11104-28-2	
PCB-1232 (Aroclor 1232)	**<21.3**	ug/kg	70.0	21.3	1	09/14/23 09:27	09/16/23 02:31	11141-16-5	
PCB-1242 (Aroclor 1242)	**<21.3**	ug/kg	70.0	21.3	1	09/14/23 09:27	09/16/23 02:31	53469-21-9	
PCB-1248 (Aroclor 1248)	**<21.3**	ug/kg	70.0	21.3	1	09/14/23 09:27	09/16/23 02:31	12672-29-6	
PCB-1254 (Aroclor 1254)	**755**	ug/kg	70.0	21.3	1	09/14/23 09:27	09/16/23 02:31	11097-69-1	
PCB-1260 (Aroclor 1260)	**<21.3**	ug/kg	70.0	21.3	1	09/14/23 09:27	09/16/23 02:31	11096-82-5	
PCB-1262 (Aroclor 1262)	**<21.3**	ug/kg	70.0	21.3	1	09/14/23 09:27	09/16/23 02:31	37324-23-5	
PCB-1268 (Aroclor 1268)	**<21.3**	ug/kg	70.0	21.3	1	09/14/23 09:27	09/16/23 02:31	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	87	%	44-120		1	09/14/23 09:27	09/16/23 02:31	877-09-8	
Decachlorobiphenyl (S)	73	%	34-120		1	09/14/23 09:27	09/16/23 02:31	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**28.8**	%	0.10	0.10	1		09/18/23 09:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB 519R 0-6 **Lab ID: 40268021022** Collected: 09/11/23 11:50 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**404**	ug/kg	91.4	27.8	1	09/14/23 09:27	09/16/23 02:54	1336-36-3	
PCB-1016 (Aroclor 1016)	**<27.8**	ug/kg	91.4	27.8	1	09/14/23 09:27	09/16/23 02:54	12674-11-2	
PCB-1221 (Aroclor 1221)	**<27.8**	ug/kg	91.4	27.8	1	09/14/23 09:27	09/16/23 02:54	11104-28-2	
PCB-1232 (Aroclor 1232)	**<27.8**	ug/kg	91.4	27.8	1	09/14/23 09:27	09/16/23 02:54	11141-16-5	
PCB-1242 (Aroclor 1242)	**<27.8**	ug/kg	91.4	27.8	1	09/14/23 09:27	09/16/23 02:54	53469-21-9	
PCB-1248 (Aroclor 1248)	**<27.8**	ug/kg	91.4	27.8	1	09/14/23 09:27	09/16/23 02:54	12672-29-6	
PCB-1254 (Aroclor 1254)	**404**	ug/kg	91.4	27.8	1	09/14/23 09:27	09/16/23 02:54	11097-69-1	
PCB-1260 (Aroclor 1260)	**<27.8**	ug/kg	91.4	27.8	1	09/14/23 09:27	09/16/23 02:54	11096-82-5	
PCB-1262 (Aroclor 1262)	**<27.8**	ug/kg	91.4	27.8	1	09/14/23 09:27	09/16/23 02:54	37324-23-5	
PCB-1268 (Aroclor 1268)	**<27.8**	ug/kg	91.4	27.8	1	09/14/23 09:27	09/16/23 02:54	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	90	%	44-120		1	09/14/23 09:27	09/16/23 02:54	877-09-8	
Decachlorobiphenyl (S)	80	%	34-120		1	09/14/23 09:27	09/16/23 02:54	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**45.1**	%	0.10	0.10	1		09/18/23 09:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB 520R 0-6 **Lab ID: 40268021023** Collected: 09/11/23 12:05 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**737**	ug/kg	69.7	21.2	1	09/14/23 09:27	09/16/23 03:17	1336-36-3	
PCB-1016 (Aroclor 1016)	**<21.2**	ug/kg	69.7	21.2	1	09/14/23 09:27	09/16/23 03:17	12674-11-2	
PCB-1221 (Aroclor 1221)	**<21.2**	ug/kg	69.7	21.2	1	09/14/23 09:27	09/16/23 03:17	11104-28-2	
PCB-1232 (Aroclor 1232)	**<21.2**	ug/kg	69.7	21.2	1	09/14/23 09:27	09/16/23 03:17	11141-16-5	
PCB-1242 (Aroclor 1242)	**<21.2**	ug/kg	69.7	21.2	1	09/14/23 09:27	09/16/23 03:17	53469-21-9	
PCB-1248 (Aroclor 1248)	**<21.2**	ug/kg	69.7	21.2	1	09/14/23 09:27	09/16/23 03:17	12672-29-6	
PCB-1254 (Aroclor 1254)	**737**	ug/kg	69.7	21.2	1	09/14/23 09:27	09/16/23 03:17	11097-69-1	
PCB-1260 (Aroclor 1260)	**<21.2**	ug/kg	69.7	21.2	1	09/14/23 09:27	09/16/23 03:17	11096-82-5	
PCB-1262 (Aroclor 1262)	**<21.2**	ug/kg	69.7	21.2	1	09/14/23 09:27	09/16/23 03:17	37324-23-5	
PCB-1268 (Aroclor 1268)	**<21.2**	ug/kg	69.7	21.2	1	09/14/23 09:27	09/16/23 03:17	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	44-120		1	09/14/23 09:27	09/16/23 03:17	877-09-8	
Decachlorobiphenyl (S)	76	%	34-120		1	09/14/23 09:27	09/16/23 03:17	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**28.5**	%	0.10	0.10	1		09/18/23 10:23		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB 521R 0-6 **Lab ID: 40268021024** Collected: 09/11/23 10:35 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**1540**	ug/kg	135	41.0	2	09/14/23 09:27	09/18/23 11:57	1336-36-3	
PCB-1016 (Aroclor 1016)	**<41.0**	ug/kg	135	41.0	2	09/14/23 09:27	09/18/23 11:57	12674-11-2	
PCB-1221 (Aroclor 1221)	**<41.0**	ug/kg	135	41.0	2	09/14/23 09:27	09/18/23 11:57	11104-28-2	
PCB-1232 (Aroclor 1232)	**<41.0**	ug/kg	135	41.0	2	09/14/23 09:27	09/18/23 11:57	11141-16-5	
PCB-1242 (Aroclor 1242)	**<41.0**	ug/kg	135	41.0	2	09/14/23 09:27	09/18/23 11:57	53469-21-9	
PCB-1248 (Aroclor 1248)	**<41.0**	ug/kg	135	41.0	2	09/14/23 09:27	09/18/23 11:57	12672-29-6	
PCB-1254 (Aroclor 1254)	**1540**	ug/kg	135	41.0	2	09/14/23 09:27	09/18/23 11:57	11097-69-1	
PCB-1260 (Aroclor 1260)	**<41.0**	ug/kg	135	41.0	2	09/14/23 09:27	09/18/23 11:57	11096-82-5	
PCB-1262 (Aroclor 1262)	**<41.0**	ug/kg	135	41.0	2	09/14/23 09:27	09/18/23 11:57	37324-23-5	
PCB-1268 (Aroclor 1268)	**<41.0**	ug/kg	135	41.0	2	09/14/23 09:27	09/18/23 11:57	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	85	%	44-120		2	09/14/23 09:27	09/18/23 11:57	877-09-8	
Decachlorobiphenyl (S)	76	%	34-120		2	09/14/23 09:27	09/18/23 11:57	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**25.4**	%	0.10	0.10	1		09/18/23 10:23		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB 522R 0-6 **Lab ID: 40268021025** Collected: 09/11/23 10:15 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**1040**	ug/kg	80.9	24.6	1	09/14/23 09:27	09/16/23 04:51	1336-36-3	
PCB-1016 (Aroclor 1016)	**<24.6**	ug/kg	80.9	24.6	1	09/14/23 09:27	09/16/23 04:51	12674-11-2	
PCB-1221 (Aroclor 1221)	**<24.6**	ug/kg	80.9	24.6	1	09/14/23 09:27	09/16/23 04:51	11104-28-2	
PCB-1232 (Aroclor 1232)	**<24.6**	ug/kg	80.9	24.6	1	09/14/23 09:27	09/16/23 04:51	11141-16-5	
PCB-1242 (Aroclor 1242)	**<24.6**	ug/kg	80.9	24.6	1	09/14/23 09:27	09/16/23 04:51	53469-21-9	
PCB-1248 (Aroclor 1248)	**<24.6**	ug/kg	80.9	24.6	1	09/14/23 09:27	09/16/23 04:51	12672-29-6	
PCB-1254 (Aroclor 1254)	**1040**	ug/kg	80.9	24.6	1	09/14/23 09:27	09/16/23 04:51	11097-69-1	
PCB-1260 (Aroclor 1260)	**<24.6**	ug/kg	80.9	24.6	1	09/14/23 09:27	09/16/23 04:51	11096-82-5	
PCB-1262 (Aroclor 1262)	**<24.6**	ug/kg	80.9	24.6	1	09/14/23 09:27	09/16/23 04:51	37324-23-5	
PCB-1268 (Aroclor 1268)	**<24.6**	ug/kg	80.9	24.6	1	09/14/23 09:27	09/16/23 04:51	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	74	%	44-120		1	09/14/23 09:27	09/16/23 04:51	877-09-8	
Decachlorobiphenyl (S)	67	%	34-120		1	09/14/23 09:27	09/16/23 04:51	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**38.2**	%	0.10	0.10	1		09/18/23 10:23		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB 523R 0-6 **Lab ID: 40268021026** Collected: 09/11/23 09:55 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**659**	ug/kg	68.0	20.7	1	09/14/23 09:27	09/16/23 05:14	1336-36-3	
PCB-1016 (Aroclor 1016)	**<20.7**	ug/kg	68.0	20.7	1	09/14/23 09:27	09/16/23 05:14	12674-11-2	
PCB-1221 (Aroclor 1221)	**<20.7**	ug/kg	68.0	20.7	1	09/14/23 09:27	09/16/23 05:14	11104-28-2	
PCB-1232 (Aroclor 1232)	**<20.7**	ug/kg	68.0	20.7	1	09/14/23 09:27	09/16/23 05:14	11141-16-5	
PCB-1242 (Aroclor 1242)	**<20.7**	ug/kg	68.0	20.7	1	09/14/23 09:27	09/16/23 05:14	53469-21-9	
PCB-1248 (Aroclor 1248)	**<20.7**	ug/kg	68.0	20.7	1	09/14/23 09:27	09/16/23 05:14	12672-29-6	
PCB-1254 (Aroclor 1254)	**659**	ug/kg	68.0	20.7	1	09/14/23 09:27	09/16/23 05:14	11097-69-1	
PCB-1260 (Aroclor 1260)	**<20.7**	ug/kg	68.0	20.7	1	09/14/23 09:27	09/16/23 05:14	11096-82-5	
PCB-1262 (Aroclor 1262)	**<20.7**	ug/kg	68.0	20.7	1	09/14/23 09:27	09/16/23 05:14	37324-23-5	
PCB-1268 (Aroclor 1268)	**<20.7**	ug/kg	68.0	20.7	1	09/14/23 09:27	09/16/23 05:14	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	87	%	44-120		1	09/14/23 09:27	09/16/23 05:14	877-09-8	
Decachlorobiphenyl (S)	77	%	34-120		1	09/14/23 09:27	09/16/23 05:14	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**26.5**	%	0.10	0.10	1		09/18/23 10:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB REP 01 **Lab ID: 40268021027** Collected: 09/11/23 00:00 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**398**	ug/kg	72.5	22.1	1	09/14/23 09:27	09/16/23 05:38	1336-36-3	
PCB-1016 (Aroclor 1016)	**<22.1**	ug/kg	72.5	22.1	1	09/14/23 09:27	09/16/23 05:38	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.1**	ug/kg	72.5	22.1	1	09/14/23 09:27	09/16/23 05:38	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.1**	ug/kg	72.5	22.1	1	09/14/23 09:27	09/16/23 05:38	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.1**	ug/kg	72.5	22.1	1	09/14/23 09:27	09/16/23 05:38	53469-21-9	
PCB-1248 (Aroclor 1248)	**<22.1**	ug/kg	72.5	22.1	1	09/14/23 09:27	09/16/23 05:38	12672-29-6	
PCB-1254 (Aroclor 1254)	**398**	ug/kg	72.5	22.1	1	09/14/23 09:27	09/16/23 05:38	11097-69-1	
PCB-1260 (Aroclor 1260)	**<22.1**	ug/kg	72.5	22.1	1	09/14/23 09:27	09/16/23 05:38	11096-82-5	
PCB-1262 (Aroclor 1262)	**<22.1**	ug/kg	72.5	22.1	1	09/14/23 09:27	09/16/23 05:38	37324-23-5	
PCB-1268 (Aroclor 1268)	**<22.1**	ug/kg	72.5	22.1	1	09/14/23 09:27	09/16/23 05:38	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	44-120		1	09/14/23 09:27	09/16/23 05:38	877-09-8	
Decachlorobiphenyl (S)	72	%	34-120		1	09/14/23 09:27	09/16/23 05:38	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**31.2**	%	0.10	0.10	1		09/18/23 10:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB REP 02 **Lab ID: 40268021028** Collected: 09/11/23 00:00 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**281**	ug/kg	94.2	28.7	1	09/14/23 09:27	09/16/23 06:01	1336-36-3	
PCB-1016 (Aroclor 1016)	**<28.7**	ug/kg	94.2	28.7	1	09/14/23 09:27	09/16/23 06:01	12674-11-2	
PCB-1221 (Aroclor 1221)	**<28.7**	ug/kg	94.2	28.7	1	09/14/23 09:27	09/16/23 06:01	11104-28-2	
PCB-1232 (Aroclor 1232)	**<28.7**	ug/kg	94.2	28.7	1	09/14/23 09:27	09/16/23 06:01	11141-16-5	
PCB-1242 (Aroclor 1242)	**<28.7**	ug/kg	94.2	28.7	1	09/14/23 09:27	09/16/23 06:01	53469-21-9	
PCB-1248 (Aroclor 1248)	**<28.7**	ug/kg	94.2	28.7	1	09/14/23 09:27	09/16/23 06:01	12672-29-6	
PCB-1254 (Aroclor 1254)	**281**	ug/kg	94.2	28.7	1	09/14/23 09:27	09/16/23 06:01	11097-69-1	
PCB-1260 (Aroclor 1260)	**<28.7**	ug/kg	94.2	28.7	1	09/14/23 09:27	09/16/23 06:01	11096-82-5	
PCB-1262 (Aroclor 1262)	**<28.7**	ug/kg	94.2	28.7	1	09/14/23 09:27	09/16/23 06:01	37324-23-5	
PCB-1268 (Aroclor 1268)	**<28.7**	ug/kg	94.2	28.7	1	09/14/23 09:27	09/16/23 06:01	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	87	%	44-120		1	09/14/23 09:27	09/16/23 06:01	877-09-8	
Decachlorobiphenyl (S)	74	%	34-120		1	09/14/23 09:27	09/16/23 06:01	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**46.7**	%	0.10	0.10	1		09/18/23 10:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 014L A/AW **Lab ID: 40268021029** Collected: 09/12/23 15:55 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**<22.4**	ug/kg	73.5	22.4	1	09/14/23 09:27	09/16/23 06:25	1336-36-3	
PCB-1016 (Aroclor 1016)	**<22.4**	ug/kg	73.5	22.4	1	09/14/23 09:27	09/16/23 06:25	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.4**	ug/kg	73.5	22.4	1	09/14/23 09:27	09/16/23 06:25	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.4**	ug/kg	73.5	22.4	1	09/14/23 09:27	09/16/23 06:25	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.4**	ug/kg	73.5	22.4	1	09/14/23 09:27	09/16/23 06:25	53469-21-9	
PCB-1248 (Aroclor 1248)	**<22.4**	ug/kg	73.5	22.4	1	09/14/23 09:27	09/16/23 06:25	12672-29-6	
PCB-1254 (Aroclor 1254)	**<22.4**	ug/kg	73.5	22.4	1	09/14/23 09:27	09/16/23 06:25	11097-69-1	
PCB-1260 (Aroclor 1260)	**<22.4**	ug/kg	73.5	22.4	1	09/14/23 09:27	09/16/23 06:25	11096-82-5	
PCB-1262 (Aroclor 1262)	**<22.4**	ug/kg	73.5	22.4	1	09/14/23 09:27	09/16/23 06:25	37324-23-5	
PCB-1268 (Aroclor 1268)	**<22.4**	ug/kg	73.5	22.4	1	09/14/23 09:27	09/16/23 06:25	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	89	%	44-120		1	09/14/23 09:27	09/16/23 06:25	877-09-8	
Decachlorobiphenyl (S)	74	%	34-120		1	09/14/23 09:27	09/16/23 06:25	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**32.1**	%	0.10	0.10	1		09/18/23 10:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR EB 1 **Lab ID: 40268021030** Collected: 09/12/23 16:40 Received: 09/13/23 17:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB Low Volume	Analytical Method: EPA 8082A Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:29	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:29	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:29	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:29	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:29	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:29	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:29	11096-82-5	
PCB-1262 (Aroclor 1262)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:29	37324-23-5	
PCB-1268 (Aroclor 1268)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:29	11100-14-4	
PCB, Total	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:29	1336-36-3	
Surrogates									
Decachlorobiphenyl (S)	51	%	10-132		1	09/18/23 10:22	09/19/23 13:29	2051-24-3	
Tetrachloro-m-xylene (S)	57	%	41-120		1	09/18/23 10:22	09/19/23 13:29	877-09-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 013L D/AW **Lab ID: 40268021031** Collected: 09/12/23 17:41 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**72.3**	ug/kg	58.8	17.9	1	09/14/23 09:27	09/16/23 06:48	1336-36-3	
PCB-1016 (Aroclor 1016)	**<17.9**	ug/kg	58.8	17.9	1	09/14/23 09:27	09/16/23 06:48	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.9**	ug/kg	58.8	17.9	1	09/14/23 09:27	09/16/23 06:48	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.9**	ug/kg	58.8	17.9	1	09/14/23 09:27	09/16/23 06:48	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.9**	ug/kg	58.8	17.9	1	09/14/23 09:27	09/16/23 06:48	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.9**	ug/kg	58.8	17.9	1	09/14/23 09:27	09/16/23 06:48	12672-29-6	
PCB-1254 (Aroclor 1254)	**72.3**	ug/kg	58.8	17.9	1	09/14/23 09:27	09/16/23 06:48	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.9**	ug/kg	58.8	17.9	1	09/14/23 09:27	09/16/23 06:48	11096-82-5	
PCB-1262 (Aroclor 1262)	**<17.9**	ug/kg	58.8	17.9	1	09/14/23 09:27	09/16/23 06:48	37324-23-5	
PCB-1268 (Aroclor 1268)	**<17.9**	ug/kg	58.8	17.9	1	09/14/23 09:27	09/16/23 06:48	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	44-120		1	09/14/23 09:27	09/16/23 06:48	877-09-8	
Decachlorobiphenyl (S)	75	%	34-120		1	09/14/23 09:27	09/16/23 06:48	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.9**	%	0.10	0.10	1		09/18/23 10:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 013L C/AW **Lab ID: 40268021032** Collected: 09/12/23 17:42 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**93.3**	ug/kg	59.1	18.0	1	09/14/23 09:27	09/16/23 07:11	1336-36-3	
PCB-1016 (Aroclor 1016)	**<18.0**	ug/kg	59.1	18.0	1	09/14/23 09:27	09/16/23 07:11	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.0**	ug/kg	59.1	18.0	1	09/14/23 09:27	09/16/23 07:11	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.0**	ug/kg	59.1	18.0	1	09/14/23 09:27	09/16/23 07:11	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.0**	ug/kg	59.1	18.0	1	09/14/23 09:27	09/16/23 07:11	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.0**	ug/kg	59.1	18.0	1	09/14/23 09:27	09/16/23 07:11	12672-29-6	
PCB-1254 (Aroclor 1254)	**93.3**	ug/kg	59.1	18.0	1	09/14/23 09:27	09/16/23 07:11	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.0**	ug/kg	59.1	18.0	1	09/14/23 09:27	09/16/23 07:11	11096-82-5	
PCB-1262 (Aroclor 1262)	**<18.0**	ug/kg	59.1	18.0	1	09/14/23 09:27	09/16/23 07:11	37324-23-5	
PCB-1268 (Aroclor 1268)	**<18.0**	ug/kg	59.1	18.0	1	09/14/23 09:27	09/16/23 07:11	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	44-120		1	09/14/23 09:27	09/16/23 07:11	877-09-8	
Decachlorobiphenyl (S)	77	%	34-120		1	09/14/23 09:27	09/16/23 07:11	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**15.7**	%	0.10	0.10	1		09/18/23 10:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 013L B/AW **Lab ID: 40268021033** Collected: 09/12/23 17:43 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**<22.7**	ug/kg	74.5	22.7	1	09/14/23 09:27	09/16/23 07:34	1336-36-3	
PCB-1016 (Aroclor 1016)	**<22.7**	ug/kg	74.5	22.7	1	09/14/23 09:27	09/16/23 07:34	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.7**	ug/kg	74.5	22.7	1	09/14/23 09:27	09/16/23 07:34	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.7**	ug/kg	74.5	22.7	1	09/14/23 09:27	09/16/23 07:34	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.7**	ug/kg	74.5	22.7	1	09/14/23 09:27	09/16/23 07:34	53469-21-9	
PCB-1248 (Aroclor 1248)	**<22.7**	ug/kg	74.5	22.7	1	09/14/23 09:27	09/16/23 07:34	12672-29-6	
PCB-1254 (Aroclor 1254)	**<22.7**	ug/kg	74.5	22.7	1	09/14/23 09:27	09/16/23 07:34	11097-69-1	
PCB-1260 (Aroclor 1260)	**<22.7**	ug/kg	74.5	22.7	1	09/14/23 09:27	09/16/23 07:34	11096-82-5	
PCB-1262 (Aroclor 1262)	**<22.7**	ug/kg	74.5	22.7	1	09/14/23 09:27	09/16/23 07:34	37324-23-5	
PCB-1268 (Aroclor 1268)	**<22.7**	ug/kg	74.5	22.7	1	09/14/23 09:27	09/16/23 07:34	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	44-120		1	09/14/23 09:27	09/16/23 07:34	877-09-8	
Decachlorobiphenyl (S)	71	%	34-120		1	09/14/23 09:27	09/16/23 07:34	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**32.6**	%	0.10	0.10	1		09/18/23 10:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR SCR 013L A/AW **Lab ID: 40268021034** Collected: 09/12/23 17:44 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**28.6J**	ug/kg	75.6	23.0	1	09/14/23 09:27	09/16/23 07:57	1336-36-3	
PCB-1016 (Aroclor 1016)	**<23.0**	ug/kg	75.6	23.0	1	09/14/23 09:27	09/16/23 07:57	12674-11-2	
PCB-1221 (Aroclor 1221)	**<23.0**	ug/kg	75.6	23.0	1	09/14/23 09:27	09/16/23 07:57	11104-28-2	
PCB-1232 (Aroclor 1232)	**<23.0**	ug/kg	75.6	23.0	1	09/14/23 09:27	09/16/23 07:57	11141-16-5	
PCB-1242 (Aroclor 1242)	**<23.0**	ug/kg	75.6	23.0	1	09/14/23 09:27	09/16/23 07:57	53469-21-9	
PCB-1248 (Aroclor 1248)	**<23.0**	ug/kg	75.6	23.0	1	09/14/23 09:27	09/16/23 07:57	12672-29-6	
PCB-1254 (Aroclor 1254)	**28.6J**	ug/kg	75.6	23.0	1	09/14/23 09:27	09/16/23 07:57	11097-69-1	
PCB-1260 (Aroclor 1260)	**<23.0**	ug/kg	75.6	23.0	1	09/14/23 09:27	09/16/23 07:57	11096-82-5	
PCB-1262 (Aroclor 1262)	**<23.0**	ug/kg	75.6	23.0	1	09/14/23 09:27	09/16/23 07:57	37324-23-5	
PCB-1268 (Aroclor 1268)	**<23.0**	ug/kg	75.6	23.0	1	09/14/23 09:27	09/16/23 07:57	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	88	%	44-120		1	09/14/23 09:27	09/16/23 07:57	877-09-8	
Decachlorobiphenyl (S)	75	%	34-120		1	09/14/23 09:27	09/16/23 07:57	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**33.7**	%	0.10	0.10	1		09/18/23 10:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR PBS 017L A/AW **Lab ID: 40268021036** Collected: 09/12/23 19:54 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**<22.9**	ug/kg	75.4	22.9	1	09/14/23 09:27	09/16/23 08:21	1336-36-3	
PCB-1016 (Aroclor 1016)	**<22.9**	ug/kg	75.4	22.9	1	09/14/23 09:27	09/16/23 08:21	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.9**	ug/kg	75.4	22.9	1	09/14/23 09:27	09/16/23 08:21	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.9**	ug/kg	75.4	22.9	1	09/14/23 09:27	09/16/23 08:21	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.9**	ug/kg	75.4	22.9	1	09/14/23 09:27	09/16/23 08:21	53469-21-9	
PCB-1248 (Aroclor 1248)	**<22.9**	ug/kg	75.4	22.9	1	09/14/23 09:27	09/16/23 08:21	12672-29-6	
PCB-1254 (Aroclor 1254)	**<22.9**	ug/kg	75.4	22.9	1	09/14/23 09:27	09/16/23 08:21	11097-69-1	
PCB-1260 (Aroclor 1260)	**<22.9**	ug/kg	75.4	22.9	1	09/14/23 09:27	09/16/23 08:21	11096-82-5	
PCB-1262 (Aroclor 1262)	**<22.9**	ug/kg	75.4	22.9	1	09/14/23 09:27	09/16/23 08:21	37324-23-5	
PCB-1268 (Aroclor 1268)	**<22.9**	ug/kg	75.4	22.9	1	09/14/23 09:27	09/16/23 08:21	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	76	%	44-120		1	09/14/23 09:27	09/16/23 08:21	877-09-8	
Decachlorobiphenyl (S)	64	%	34-120		1	09/14/23 09:27	09/16/23 08:21	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**33.6**	%	0.10	0.10	1		09/18/23 10:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR PBS 516R A/AW **Lab ID: 40268021038** Collected: 09/12/23 20:25 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**2040**	ug/kg	229	69.7	3	09/14/23 09:27	09/16/23 08:44	1336-36-3	
PCB-1016 (Aroclor 1016)	**<69.7**	ug/kg	229	69.7	3	09/14/23 09:27	09/16/23 08:44	12674-11-2	
PCB-1221 (Aroclor 1221)	**<69.7**	ug/kg	229	69.7	3	09/14/23 09:27	09/16/23 08:44	11104-28-2	
PCB-1232 (Aroclor 1232)	**<69.7**	ug/kg	229	69.7	3	09/14/23 09:27	09/16/23 08:44	11141-16-5	
PCB-1242 (Aroclor 1242)	**<69.7**	ug/kg	229	69.7	3	09/14/23 09:27	09/16/23 08:44	53469-21-9	
PCB-1248 (Aroclor 1248)	**<69.7**	ug/kg	229	69.7	3	09/14/23 09:27	09/16/23 08:44	12672-29-6	
PCB-1254 (Aroclor 1254)	**2040**	ug/kg	229	69.7	3	09/14/23 09:27	09/16/23 08:44	11097-69-1	
PCB-1260 (Aroclor 1260)	**<69.7**	ug/kg	229	69.7	3	09/14/23 09:27	09/16/23 08:44	11096-82-5	
PCB-1262 (Aroclor 1262)	**<69.7**	ug/kg	229	69.7	3	09/14/23 09:27	09/16/23 08:44	37324-23-5	
PCB-1268 (Aroclor 1268)	**<69.7**	ug/kg	229	69.7	3	09/14/23 09:27	09/16/23 08:44	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	75	%	44-120		3	09/14/23 09:27	09/16/23 08:44	877-09-8	
Decachlorobiphenyl (S)	69	%	34-120		3	09/14/23 09:27	09/16/23 08:44	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**34.5**	%	0.10	0.10	1		09/18/23 10:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR PBS REP 1 **Lab ID: 40268021039** Collected: 09/12/23 00:00 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**785**	ug/kg	72.9	22.2	1	09/18/23 10:54	09/18/23 22:07	1336-36-3	
PCB-1016 (Aroclor 1016)	**<22.2**	ug/kg	72.9	22.2	1	09/18/23 10:54	09/18/23 22:07	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.2**	ug/kg	72.9	22.2	1	09/18/23 10:54	09/18/23 22:07	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.2**	ug/kg	72.9	22.2	1	09/18/23 10:54	09/18/23 22:07	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.2**	ug/kg	72.9	22.2	1	09/18/23 10:54	09/18/23 22:07	53469-21-9	
PCB-1248 (Aroclor 1248)	**<22.2**	ug/kg	72.9	22.2	1	09/18/23 10:54	09/18/23 22:07	12672-29-6	
PCB-1254 (Aroclor 1254)	**785**	ug/kg	72.9	22.2	1	09/18/23 10:54	09/18/23 22:07	11097-69-1	
PCB-1260 (Aroclor 1260)	**<22.2**	ug/kg	72.9	22.2	1	09/18/23 10:54	09/18/23 22:07	11096-82-5	
PCB-1262 (Aroclor 1262)	**<22.2**	ug/kg	72.9	22.2	1	09/18/23 10:54	09/18/23 22:07	37324-23-5	
PCB-1268 (Aroclor 1268)	**<22.2**	ug/kg	72.9	22.2	1	09/18/23 10:54	09/18/23 22:07	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	44-120		1	09/18/23 10:54	09/18/23 22:07	877-09-8	
Decachlorobiphenyl (S)	68	%	34-120		1	09/18/23 10:54	09/18/23 22:07	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**31.3**	%	0.10	0.10	1		09/18/23 12:06		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR PBS 015L A/AW **Lab ID: 40268021041** Collected: 09/12/23 20:40 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**399**	ug/kg	70.2	21.4	1	09/18/23 10:54	09/18/23 22:30	1336-36-3	
PCB-1016 (Aroclor 1016)	**<21.4**	ug/kg	70.2	21.4	1	09/18/23 10:54	09/18/23 22:30	12674-11-2	
PCB-1221 (Aroclor 1221)	**<21.4**	ug/kg	70.2	21.4	1	09/18/23 10:54	09/18/23 22:30	11104-28-2	
PCB-1232 (Aroclor 1232)	**<21.4**	ug/kg	70.2	21.4	1	09/18/23 10:54	09/18/23 22:30	11141-16-5	
PCB-1242 (Aroclor 1242)	**<21.4**	ug/kg	70.2	21.4	1	09/18/23 10:54	09/18/23 22:30	53469-21-9	
PCB-1248 (Aroclor 1248)	**<21.4**	ug/kg	70.2	21.4	1	09/18/23 10:54	09/18/23 22:30	12672-29-6	
PCB-1254 (Aroclor 1254)	**399**	ug/kg	70.2	21.4	1	09/18/23 10:54	09/18/23 22:30	11097-69-1	
PCB-1260 (Aroclor 1260)	**<21.4**	ug/kg	70.2	21.4	1	09/18/23 10:54	09/18/23 22:30	11096-82-5	
PCB-1262 (Aroclor 1262)	**<21.4**	ug/kg	70.2	21.4	1	09/18/23 10:54	09/18/23 22:30	37324-23-5	
PCB-1268 (Aroclor 1268)	**<21.4**	ug/kg	70.2	21.4	1	09/18/23 10:54	09/18/23 22:30	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	84	%	44-120		1	09/18/23 10:54	09/18/23 22:30	877-09-8	
Decachlorobiphenyl (S)	71	%	34-120		1	09/18/23 10:54	09/18/23 22:30	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**28.5**	%	0.10	0.10	1		09/18/23 12:06		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR PBS 514R A/AW **Lab ID: 40268021043** Collected: 09/12/23 21:27 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**287**	ug/kg	73.3	22.3	1	09/18/23 10:54	09/18/23 22:53	1336-36-3	
PCB-1016 (Aroclor 1016)	**<22.3**	ug/kg	73.3	22.3	1	09/18/23 10:54	09/18/23 22:53	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.3**	ug/kg	73.3	22.3	1	09/18/23 10:54	09/18/23 22:53	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.3**	ug/kg	73.3	22.3	1	09/18/23 10:54	09/18/23 22:53	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.3**	ug/kg	73.3	22.3	1	09/18/23 10:54	09/18/23 22:53	53469-21-9	
PCB-1248 (Aroclor 1248)	**<22.3**	ug/kg	73.3	22.3	1	09/18/23 10:54	09/18/23 22:53	12672-29-6	
PCB-1254 (Aroclor 1254)	**287**	ug/kg	73.3	22.3	1	09/18/23 10:54	09/18/23 22:53	11097-69-1	
PCB-1260 (Aroclor 1260)	**<22.3**	ug/kg	73.3	22.3	1	09/18/23 10:54	09/18/23 22:53	11096-82-5	
PCB-1262 (Aroclor 1262)	**<22.3**	ug/kg	73.3	22.3	1	09/18/23 10:54	09/18/23 22:53	37324-23-5	
PCB-1268 (Aroclor 1268)	**<22.3**	ug/kg	73.3	22.3	1	09/18/23 10:54	09/18/23 22:53	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	44-120		1	09/18/23 10:54	09/18/23 22:53	877-09-8	
Decachlorobiphenyl (S)	68	%	34-120		1	09/18/23 10:54	09/18/23 22:53	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**31.9**	%	0.10	0.10	1		09/18/23 12:06		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR PBS 513R A/AW **Lab ID: 40268021045** Collected: 09/12/23 21:03 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**2770**	ug/kg	239	72.7	3	09/18/23 10:54	09/18/23 23:15	1336-36-3	
PCB-1016 (Aroclor 1016)	**<72.7**	ug/kg	239	72.7	3	09/18/23 10:54	09/18/23 23:15	12674-11-2	
PCB-1221 (Aroclor 1221)	**<72.7**	ug/kg	239	72.7	3	09/18/23 10:54	09/18/23 23:15	11104-28-2	
PCB-1232 (Aroclor 1232)	**<72.7**	ug/kg	239	72.7	3	09/18/23 10:54	09/18/23 23:15	11141-16-5	
PCB-1242 (Aroclor 1242)	**<72.7**	ug/kg	239	72.7	3	09/18/23 10:54	09/18/23 23:15	53469-21-9	
PCB-1248 (Aroclor 1248)	**<72.7**	ug/kg	239	72.7	3	09/18/23 10:54	09/18/23 23:15	12672-29-6	
PCB-1254 (Aroclor 1254)	**2770**	ug/kg	239	72.7	3	09/18/23 10:54	09/18/23 23:15	11097-69-1	
PCB-1260 (Aroclor 1260)	**<72.7**	ug/kg	239	72.7	3	09/18/23 10:54	09/18/23 23:15	11096-82-5	
PCB-1262 (Aroclor 1262)	**<72.7**	ug/kg	239	72.7	3	09/18/23 10:54	09/18/23 23:15	37324-23-5	
PCB-1268 (Aroclor 1268)	**<72.7**	ug/kg	239	72.7	3	09/18/23 10:54	09/18/23 23:15	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	93	%	44-120		3	09/18/23 10:54	09/18/23 23:15	877-09-8	
Decachlorobiphenyl (S)	79	%	34-120		3	09/18/23 10:54	09/18/23 23:15	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**37.2**	%	0.10	0.10	1		09/18/23 12:06		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR OB EB 01 **Lab ID: 40268021046** Collected: 09/12/23 21:45 Received: 09/13/23 17:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB Low Volume	Analytical Method: EPA 8082A Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:50	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:50	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:50	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:50	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:50	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:50	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:50	11096-82-5	
PCB-1262 (Aroclor 1262)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:50	37324-23-5	
PCB-1268 (Aroclor 1268)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:50	11100-14-4	
PCB, Total	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 13:50	1336-36-3	
Surrogates									
Decachlorobiphenyl (S)	50	%	10-132		1	09/18/23 10:22	09/19/23 13:50	2051-24-3	
Tetrachloro-m-xylene (S)	63	%	41-120		1	09/18/23 10:22	09/19/23 13:50	877-09-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR IC 526R 6-9 **Lab ID: 40268021048** Collected: 09/12/23 10:15 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**504**	ug/kg	69.1	21.0	1	09/18/23 10:54	09/18/23 23:39	1336-36-3	
PCB-1016 (Aroclor 1016)	**<21.0**	ug/kg	69.1	21.0	1	09/18/23 10:54	09/18/23 23:39	12674-11-2	
PCB-1221 (Aroclor 1221)	**<21.0**	ug/kg	69.1	21.0	1	09/18/23 10:54	09/18/23 23:39	11104-28-2	
PCB-1232 (Aroclor 1232)	**<21.0**	ug/kg	69.1	21.0	1	09/18/23 10:54	09/18/23 23:39	11141-16-5	
PCB-1242 (Aroclor 1242)	**<21.0**	ug/kg	69.1	21.0	1	09/18/23 10:54	09/18/23 23:39	53469-21-9	
PCB-1248 (Aroclor 1248)	**<21.0**	ug/kg	69.1	21.0	1	09/18/23 10:54	09/18/23 23:39	12672-29-6	
PCB-1254 (Aroclor 1254)	**504**	ug/kg	69.1	21.0	1	09/18/23 10:54	09/18/23 23:39	11097-69-1	
PCB-1260 (Aroclor 1260)	**<21.0**	ug/kg	69.1	21.0	1	09/18/23 10:54	09/18/23 23:39	11096-82-5	
PCB-1262 (Aroclor 1262)	**<21.0**	ug/kg	69.1	21.0	1	09/18/23 10:54	09/18/23 23:39	37324-23-5	
PCB-1268 (Aroclor 1268)	**<21.0**	ug/kg	69.1	21.0	1	09/18/23 10:54	09/18/23 23:39	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	90	%	44-120		1	09/18/23 10:54	09/18/23 23:39	877-09-8	
Decachlorobiphenyl (S)	79	%	34-120		1	09/18/23 10:54	09/18/23 23:39	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**27.7**	%	0.10	0.10	1		09/18/23 12:06		
ASTM D6913 Grain Size	Analytical Method: ASTM D6913 Pace Analytical Services - Green Bay								
Sieve 3.0"	**100.0**	%			1		09/20/23 14:26		
Sieve 2.0"	**100.0**	%			1		09/20/23 14:26		
Sieve 1.5"	**100.0**	%			1		09/20/23 14:26		
Sieve 1.0"	**100.0**	%			1		09/20/23 14:26		
Sieve 0.75"	**100.0**	%			1		09/20/23 14:26		
Sieve 0.375"	**100.0**	%			1		09/20/23 14:26		
Sieve #4	**99.5**	%			1		09/20/23 14:26		
Sieve #10	**99.0**	%			1		09/20/23 14:26		
Sieve #20	**97.1**	%			1		09/20/23 14:26		
Sieve #40	**88.5**	%			1		09/20/23 14:26		
Sieve #60	**63.7**	%			1		09/20/23 14:26		
Sieve #100	**34.3**	%			1		09/20/23 14:26		
Sieve #140	**23.8**	%			1		09/20/23 14:26		
Sieve #200	**13.7**	%			1		09/20/23 14:26		
TOC via Lloyd Kahn	Analytical Method: Lloyd Kahn Pace Analytical Services - Green Bay								
Total Organic Carbon	**22500**	mg/kg	1860	939	1		09/29/23 05:27	7440-44-0	H1

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR IC 921C 6-9 **Lab ID: 40268021050** Collected: 09/12/23 11:17 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**188**	ug/kg	69.7	21.2	1	09/18/23 10:54	09/19/23 00:02	1336-36-3	
PCB-1016 (Aroclor 1016)	**<21.2**	ug/kg	69.7	21.2	1	09/18/23 10:54	09/19/23 00:02	12674-11-2	
PCB-1221 (Aroclor 1221)	**<21.2**	ug/kg	69.7	21.2	1	09/18/23 10:54	09/19/23 00:02	11104-28-2	
PCB-1232 (Aroclor 1232)	**<21.2**	ug/kg	69.7	21.2	1	09/18/23 10:54	09/19/23 00:02	11141-16-5	
PCB-1242 (Aroclor 1242)	**<21.2**	ug/kg	69.7	21.2	1	09/18/23 10:54	09/19/23 00:02	53469-21-9	
PCB-1248 (Aroclor 1248)	**<21.2**	ug/kg	69.7	21.2	1	09/18/23 10:54	09/19/23 00:02	12672-29-6	
PCB-1254 (Aroclor 1254)	**188**	ug/kg	69.7	21.2	1	09/18/23 10:54	09/19/23 00:02	11097-69-1	
PCB-1260 (Aroclor 1260)	**<21.2**	ug/kg	69.7	21.2	1	09/18/23 10:54	09/19/23 00:02	11096-82-5	
PCB-1262 (Aroclor 1262)	**<21.2**	ug/kg	69.7	21.2	1	09/18/23 10:54	09/19/23 00:02	37324-23-5	
PCB-1268 (Aroclor 1268)	**<21.2**	ug/kg	69.7	21.2	1	09/18/23 10:54	09/19/23 00:02	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	44-120		1	09/18/23 10:54	09/19/23 00:02	877-09-8	
Decachlorobiphenyl (S)	73	%	34-120		1	09/18/23 10:54	09/19/23 00:02	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**28.4**	%	0.10	0.10	1		09/18/23 12:06		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Sample: MR IC 013L 6-10 **Lab ID: 40268021052** Collected: 09/12/23 11:32 Received: 09/13/23 17:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB, Total	**1530**	ug/kg	147	44.6	2	09/18/23 10:54	09/19/23 00:25	1336-36-3	
PCB-1016 (Aroclor 1016)	**<44.6**	ug/kg	147	44.6	2	09/18/23 10:54	09/19/23 00:25	12674-11-2	
PCB-1221 (Aroclor 1221)	**<44.6**	ug/kg	147	44.6	2	09/18/23 10:54	09/19/23 00:25	11104-28-2	
PCB-1232 (Aroclor 1232)	**<44.6**	ug/kg	147	44.6	2	09/18/23 10:54	09/19/23 00:25	11141-16-5	
PCB-1242 (Aroclor 1242)	**664**	ug/kg	147	44.6	2	09/18/23 10:54	09/19/23 00:25	53469-21-9	
PCB-1248 (Aroclor 1248)	**<44.6**	ug/kg	147	44.6	2	09/18/23 10:54	09/19/23 00:25	12672-29-6	
PCB-1254 (Aroclor 1254)	**674**	ug/kg	147	44.6	2	09/18/23 10:54	09/19/23 00:25	11097-69-1	
PCB-1260 (Aroclor 1260)	**188**	ug/kg	147	44.6	2	09/18/23 10:54	09/19/23 00:25	11096-82-5	
PCB-1262 (Aroclor 1262)	**<44.6**	ug/kg	147	44.6	2	09/18/23 10:54	09/19/23 00:25	37324-23-5	
PCB-1268 (Aroclor 1268)	**<44.6**	ug/kg	147	44.6	2	09/18/23 10:54	09/19/23 00:25	11100-14-4	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	44-120		2	09/18/23 10:54	09/19/23 00:25	877-09-8	
Decachlorobiphenyl (S)	69	%	34-120		2	09/18/23 10:54	09/19/23 00:25	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**31.9**	%	0.10	0.10	1		09/18/23 12:06		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

QC Batch: 454853
QC Batch Method: EPA 3541
Analysis Method: EPA 8082A
Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268021001, 40268021002, 40268021003, 40268021004, 40268021005, 40268021006, 40268021007, 40268021008, 40268021009, 40268021010, 40268021011, 40268021012, 40268021013, 40268021014, 40268021015

METHOD BLANK: 2612448 Matrix: Solid
Associated Lab Samples: 40268021001, 40268021002, 40268021003, 40268021004, 40268021005, 40268021006, 40268021007, 40268021008, 40268021009, 40268021010, 40268021011, 40268021012, 40268021013, 40268021014, 40268021015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	09/15/23 11:39	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	09/15/23 11:39	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	09/15/23 11:39	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	09/15/23 11:39	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	09/15/23 11:39	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	09/15/23 11:39	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	09/15/23 11:39	
PCB-1262 (Aroclor 1262)	ug/kg	<15.2	50.0	09/15/23 11:39	
PCB-1268 (Aroclor 1268)	ug/kg	<15.2	50.0	09/15/23 11:39	
Decachlorobiphenyl (S)	%	84	34-120	09/15/23 11:39	
Tetrachloro-m-xylene (S)	%	93	44-120	09/15/23 11:39	

LABORATORY CONTROL SAMPLE: 2612449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<15.2			
PCB-1221 (Aroclor 1221)	ug/kg		<15.2			
PCB-1232 (Aroclor 1232)	ug/kg		<15.2			
PCB-1242 (Aroclor 1242)	ug/kg		<15.2			
PCB-1248 (Aroclor 1248)	ug/kg		<15.2			
PCB-1254 (Aroclor 1254)	ug/kg		<15.2			
PCB-1260 (Aroclor 1260)	ug/kg	500	461	92	69-120	
PCB-1262 (Aroclor 1262)	ug/kg		<15.2			
PCB-1268 (Aroclor 1268)	ug/kg		<15.2			
Decachlorobiphenyl (S)	%			84	34-120	
Tetrachloro-m-xylene (S)	%			95	44-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2612450 2612451

Parameter	Units	40267926016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<0.018 mg/kg			<17.9	<17.8					20	
PCB-1221 (Aroclor 1221)	ug/kg	<0.018 mg/kg			<17.9	<17.8					20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2612450 2612451

Parameter	Units	40267926016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1232 (Aroclor 1232)	ug/kg	<0.018 mg/kg			<17.9	<17.8					20	
PCB-1242 (Aroclor 1242)	ug/kg	<0.018 mg/kg			<17.9	<17.8					20	
PCB-1248 (Aroclor 1248)	ug/kg	<0.018 mg/kg			<17.9	<17.8					20	
PCB-1254 (Aroclor 1254)	ug/kg	<0.018 mg/kg			<17.9	<17.8					20	
PCB-1260 (Aroclor 1260)	ug/kg	<0.018 mg/kg	586	586	507	490	86	84	51-120	3	20	
PCB-1262 (Aroclor 1262)	ug/kg	<17.8			<17.9	<17.8					20	
PCB-1268 (Aroclor 1268)	ug/kg	<17.8			<17.9	<17.8					20	
Decachlorobiphenyl (S)	%						79	77	34-120			
Tetrachloro-m-xylene (S)	%						90	87	44-120			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

QC Batch: 454859
QC Batch Method: EPA 3541
Analysis Method: EPA 8082A
Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268021016, 40268021017, 40268021018, 40268021019, 40268021020, 40268021021, 40268021022, 40268021023, 40268021024, 40268021025, 40268021026, 40268021027, 40268021028, 40268021029, 40268021031, 40268021032, 40268021033, 40268021034, 40268021036, 40268021038

METHOD BLANK: 2612464 Matrix: Solid
Associated Lab Samples: 40268021016, 40268021017, 40268021018, 40268021019, 40268021020, 40268021021, 40268021022, 40268021023, 40268021024, 40268021025, 40268021026, 40268021027, 40268021028, 40268021029, 40268021031, 40268021032, 40268021033, 40268021034, 40268021036, 40268021038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	09/15/23 23:02	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	09/15/23 23:02	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	09/15/23 23:02	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	09/15/23 23:02	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	09/15/23 23:02	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	09/15/23 23:02	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	09/15/23 23:02	
PCB-1262 (Aroclor 1262)	ug/kg	<15.2	50.0	09/15/23 23:02	
PCB-1268 (Aroclor 1268)	ug/kg	<15.2	50.0	09/15/23 23:02	
Decachlorobiphenyl (S)	%	85	34-120	09/15/23 23:02	
Tetrachloro-m-xylene (S)	%	94	44-120	09/15/23 23:02	

LABORATORY CONTROL SAMPLE: 2612465

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<15.2			
PCB-1221 (Aroclor 1221)	ug/kg		<15.2			
PCB-1232 (Aroclor 1232)	ug/kg		<15.2			
PCB-1242 (Aroclor 1242)	ug/kg		<15.2			
PCB-1248 (Aroclor 1248)	ug/kg		<15.2			
PCB-1254 (Aroclor 1254)	ug/kg		<15.2			
PCB-1260 (Aroclor 1260)	ug/kg	500	453	91	69-120	
PCB-1262 (Aroclor 1262)	ug/kg		<15.2			
PCB-1268 (Aroclor 1268)	ug/kg		<15.2			
Decachlorobiphenyl (S)	%			82	34-120	
Tetrachloro-m-xylene (S)	%			94	44-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2612466 2612467

Parameter	Units	40268021016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<18.2			<18.3	<18.2					20	
PCB-1221 (Aroclor 1221)	ug/kg	<18.2			<18.3	<18.2					20	
PCB-1232 (Aroclor 1232)	ug/kg	<18.2			<18.3	<18.2					20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2612466 2612467

Parameter	Units	40268021016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1242 (Aroclor 1242)	ug/kg	<18.2			<18.3	<18.2					20	
PCB-1248 (Aroclor 1248)	ug/kg	<18.2			<18.3	<18.2					20	
PCB-1254 (Aroclor 1254)	ug/kg	107			<18.3	<18.2					20	
PCB-1260 (Aroclor 1260)	ug/kg	<18.2	601	597	556	544	92	91	51-120	2	20	
PCB-1262 (Aroclor 1262)	ug/kg	<18.2			<18.3	<18.2					20	
PCB-1268 (Aroclor 1268)	ug/kg	<18.2			<18.3	<18.2					20	
Decachlorobiphenyl (S)	%						79	77	34-120			
Tetrachloro-m-xylene (S)	%						88	91	44-120			

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

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

QC Batch: 455011
QC Batch Method: EPA 3541
Analysis Method: EPA 8082A
Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268021039, 40268021041, 40268021043, 40268021045, 40268021048, 40268021050, 40268021052

METHOD BLANK: 2613448 Matrix: Solid
Associated Lab Samples: 40268021039, 40268021041, 40268021043, 40268021045, 40268021048, 40268021050, 40268021052

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	09/18/23 14:01	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	09/18/23 14:01	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	09/18/23 14:01	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	09/18/23 14:01	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	09/18/23 14:01	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	09/18/23 14:01	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	09/18/23 14:01	
PCB-1262 (Aroclor 1262)	ug/kg	<15.2	50.0	09/18/23 14:01	
PCB-1268 (Aroclor 1268)	ug/kg	<15.2	50.0	09/18/23 14:01	
Decachlorobiphenyl (S)	%	85	34-120	09/18/23 14:01	
Tetrachloro-m-xylene (S)	%	93	44-120	09/18/23 14:01	

LABORATORY CONTROL SAMPLE: 2613449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<15.2			
PCB-1221 (Aroclor 1221)	ug/kg		<15.2			
PCB-1232 (Aroclor 1232)	ug/kg		<15.2			
PCB-1242 (Aroclor 1242)	ug/kg		<15.2			
PCB-1248 (Aroclor 1248)	ug/kg		<15.2			
PCB-1254 (Aroclor 1254)	ug/kg		<15.2			
PCB-1260 (Aroclor 1260)	ug/kg	500	445	89	69-120	
PCB-1262 (Aroclor 1262)	ug/kg		<15.2			
PCB-1268 (Aroclor 1268)	ug/kg		<15.2			
Decachlorobiphenyl (S)	%			83	34-120	
Tetrachloro-m-xylene (S)	%			93	44-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2613450 2613451

Parameter	Units	40268053001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND			<19.7	<19.7					20	
PCB-1221 (Aroclor 1221)	ug/kg	ND			<19.7	<19.7					20	
PCB-1232 (Aroclor 1232)	ug/kg	ND			<19.7	<19.7					20	
PCB-1242 (Aroclor 1242)	ug/kg	ND			<19.7	<19.7					20	
PCB-1248 (Aroclor 1248)	ug/kg	ND			<19.7	<19.7					20	
PCB-1254 (Aroclor 1254)	ug/kg	ND			<19.7	<19.7					20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2613450 2613451

Parameter	Units	40268053001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1260 (Aroclor 1260)	ug/kg	ND	646	647	560	519	87	80	51-120	7	20	
PCB-1262 (Aroclor 1262)	ug/kg	ND			<19.7	<19.7					20	
PCB-1268 (Aroclor 1268)	ug/kg	ND			<19.7	<19.7					20	
Decachlorobiphenyl (S)	%						80	76	34-120			
Tetrachloro-m-xylene (S)	%						90	83	44-120			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

QC Batch: 454998
QC Batch Method: EPA 3510
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB Low Volume
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268021030, 40268021046

METHOD BLANK: 2613415 Matrix: Water
Associated Lab Samples: 40268021030, 40268021046

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1221 (Aroclor 1221)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1232 (Aroclor 1232)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1242 (Aroclor 1242)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1248 (Aroclor 1248)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1254 (Aroclor 1254)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1260 (Aroclor 1260)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1262 (Aroclor 1262)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1268 (Aroclor 1268)	ug/L	<0.11	0.50	09/19/23 11:21	
Decachlorobiphenyl (S)	%	51	10-132	09/19/23 11:21	
Tetrachloro-m-xylene (S)	%	66	41-120	09/19/23 11:21	

LABORATORY CONTROL SAMPLE: 2613416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L		<0.11			
PCB-1221 (Aroclor 1221)	ug/L		<0.11			
PCB-1232 (Aroclor 1232)	ug/L		<0.11			
PCB-1242 (Aroclor 1242)	ug/L		<0.11			
PCB-1248 (Aroclor 1248)	ug/L		<0.11			
PCB-1254 (Aroclor 1254)	ug/L		<0.11			
PCB-1260 (Aroclor 1260)	ug/L	5	4.6	91	70-120	
PCB-1262 (Aroclor 1262)	ug/L		<0.11			
PCB-1268 (Aroclor 1268)	ug/L		<0.11			
Decachlorobiphenyl (S)	%			81	10-132	
Tetrachloro-m-xylene (S)	%			62	41-120	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

QC Batch: 454993
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268021001, 40268021002, 40268021003

SAMPLE DUPLICATE: 2613405

Parameter	Units	40267801014 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.5	15.2	5	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

QC Batch: 455005
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40268021004, 40268021005, 40268021006, 40268021007, 40268021008, 40268021009, 40268021010, 40268021011, 40268021012, 40268021013, 40268021014, 40268021015, 40268021016, 40268021017, 40268021018, 40268021019, 40268021020, 40268021021, 40268021022

SAMPLE DUPLICATE: 2613435

Parameter	Units	40268091001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.0	7.2	3	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

QC Batch: 455009
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268021023, 40268021024, 40268021025, 40268021026, 40268021027, 40268021028, 40268021029, 40268021031, 40268021032, 40268021033, 40268021034, 40268021036, 40268021038

SAMPLE DUPLICATE: 2613441

Parameter	Units	40268160001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.0	6.1	1	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

QC Batch: 455037
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268021039, 40268021041, 40268021043, 40268021045, 40268021048, 40268021050, 40268021052

SAMPLE DUPLICATE: 2613476

Parameter	Units	40268058002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.5	18.9	2	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

QC Batch: 456147
QC Batch Method: Lloyd Kahn
Analysis Method: Lloyd Kahn
Analysis Description: Lloyd Kahn TOC
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268021048

METHOD BLANK: 2619476 Matrix: Solid
Associated Lab Samples: 40268021048

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/kg	<50.6	100	09/29/23 04:43	

LABORATORY CONTROL SAMPLE: 2619477

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/kg	2000	1790	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2619478 2619479

Parameter	Units	40268405004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/kg	58700	17900	17600	77300	74500	104	90	80-120	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2619480 2619481

Parameter	Units	40268405008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/kg	65100	18200	19500	74800	83800	53	96	80-120	11	20	M0

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALIFIERS

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

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.

DL - Adjusted Method Detection Limit.

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: 455064

[1] MS/MSD was shared with HBN:454982

Batch: 455342

[1] coarse & fine sieved 9/25/23; assisted by ALH

ANALYTE QUALIFIERS

H1 Analysis conducted outside the recognized method holding time.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40268021001	**MR SCR 517R D/AW**	EPA 3541	454853	EPA 8082A	454858
40268021002	**MR SCR 016L D/AW**	EPA 3541	454853	EPA 8082A	454858
40268021003	**MR SCR 016L C/AW**	EPA 3541	454853	EPA 8082A	454858
40268021004	**MR SCR 016L B/AW**	EPA 3541	454853	EPA 8082A	454858
40268021005	**MR SCR 016L A/UW**	EPA 3541	454853	EPA 8082A	454858
40268021006	**MR SCR 515R D/AW**	EPA 3541	454853	EPA 8082A	454858
40268021007	**MR SCR 515R C/AW**	EPA 3541	454853	EPA 8082A	454858
40268021008	**MR SCR REP 1**	EPA 3541	454853	EPA 8082A	454858
40268021009	**MR SCR 515R B/AW**	EPA 3541	454853	EPA 8082A	454858
40268021010	**MR SCR 515R A/AW**	EPA 3541	454853	EPA 8082A	454858
40268021011	**MR SCR 014L D/AW**	EPA 3541	454853	EPA 8082A	454858
40268021012	**MR SCR 014L C/AW**	EPA 3541	454853	EPA 8082A	454858
40268021013	**MR SCR 014L B/AW**	EPA 3541	454853	EPA 8082A	454858
40268021014	**MR OB 010L 0-6**	EPA 3541	454853	EPA 8082A	454858
40268021015	**MR OB 511R 0-6**	EPA 3541	454853	EPA 8082A	454858
40268021016	**MR OB 012L 0-6**	EPA 3541	454859	EPA 8082A	454877
40268021017	**MR OB 013L 0-6**	EPA 3541	454859	EPA 8082A	454877
40268021018	**MR OB 514R 0-6**	EPA 3541	454859	EPA 8082A	454877
40268021019	**MR OB 015L 0-6**	EPA 3541	454859	EPA 8082A	454877
40268021020	**MR OB 017L 0-6**	EPA 3541	454859	EPA 8082A	454877
40268021021	**MR OB 518R 0-6**	EPA 3541	454859	EPA 8082A	454877
40268021022	**MR OB 519R 0-6**	EPA 3541	454859	EPA 8082A	454877
40268021023	**MR OB 520R 0-6**	EPA 3541	454859	EPA 8082A	454877
40268021024	**MR OB 521R 0-6**	EPA 3541	454859	EPA 8082A	454877
40268021025	**MR OB 522R 0-6**	EPA 3541	454859	EPA 8082A	454877
40268021026	**MR OB 523R 0-6**	EPA 3541	454859	EPA 8082A	454877
40268021027	**MR OB REP 01**	EPA 3541	454859	EPA 8082A	454877
40268021028	**MR OB REP 02**	EPA 3541	454859	EPA 8082A	454877
40268021029	**MR SCR 014L A/AW**	EPA 3541	454859	EPA 8082A	454877
40268021031	**MR SCR 013L D/AW**	EPA 3541	454859	EPA 8082A	454877
40268021032	**MR SCR 013L C/AW**	EPA 3541	454859	EPA 8082A	454877
40268021033	**MR SCR 013L B/AW**	EPA 3541	454859	EPA 8082A	454877
40268021034	**MR SCR 013L A/AW**	EPA 3541	454859	EPA 8082A	454877
40268021036	**MR PBS 017L A/AW**	EPA 3541	454859	EPA 8082A	454877
40268021038	**MR PBS 516R A/AW**	EPA 3541	454859	EPA 8082A	454877
40268021039	**MR PBS REP 1**	EPA 3541	455011	EPA 8082A	455054
40268021041	**MR PBS 015L A/AW**	EPA 3541	455011	EPA 8082A	455054
40268021043	**MR PBS 514R A/AW**	EPA 3541	455011	EPA 8082A	455054
40268021045	**MR PBS 513R A/AW**	EPA 3541	455011	EPA 8082A	455054
40268021048	**MR IC 526R 6-9**	EPA 3541	455011	EPA 8082A	455054
40268021050	**MR IC 921C 6-9**	EPA 3541	455011	EPA 8082A	455054
40268021052	**MR IC 013L 6-10**	EPA 3541	455011	EPA 8082A	455054
40268021030	**MR SCR EB 1**	EPA 3510	454998	EPA 8082A	455064
40268021046	**MR OB EB 01**	EPA 3510	454998	EPA 8082A	455064
40268021001	**MR SCR 517R D/AW**	ASTM D2974-87	454993		
40268021002	**MR SCR 016L D/AW**	ASTM D2974-87	454993		
40268021003	**MR SCR 016L C/AW**	ASTM D2974-87	454993		

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 320928 HARP SEDIMENTS
Pace Project No.: 40268021

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40268021004	**MR SCR 016L B/AW**	ASTM D2974-87	455005		
40268021005	**MR SCR 016L A/UW**	ASTM D2974-87	455005		
40268021006	**MR SCR 515R D/AW**	ASTM D2974-87	455005		
40268021007	**MR SCR 515R C/AW**	ASTM D2974-87	455005		
40268021008	**MR SCR REP 1**	ASTM D2974-87	455005		
40268021009	**MR SCR 515R B/AW**	ASTM D2974-87	455005		
40268021010	**MR SCR 515R A/AW**	ASTM D2974-87	455005		
40268021011	**MR SCR 014L D/AW**	ASTM D2974-87	455005		
40268021012	**MR SCR 014L C/AW**	ASTM D2974-87	455005		
40268021013	**MR SCR 014L B/AW**	ASTM D2974-87	455005		
40268021014	**MR OB 010L 0-6**	ASTM D2974-87	455005		
40268021015	**MR OB 511R 0-6**	ASTM D2974-87	455005		
40268021016	**MR OB 012L 0-6**	ASTM D2974-87	455005		
40268021017	**MR OB 013L 0-6**	ASTM D2974-87	455005		
40268021018	**MR OB 514R 0-6**	ASTM D2974-87	455005		
40268021019	**MR OB 015L 0-6**	ASTM D2974-87	455005		
40268021020	**MR OB 017L 0-6**	ASTM D2974-87	455005		
40268021021	**MR OB 518R 0-6**	ASTM D2974-87	455005		
40268021022	**MR OB 519R 0-6**	ASTM D2974-87	455005		
40268021023	**MR OB 520R 0-6**	ASTM D2974-87	455009		
40268021024	**MR OB 521R 0-6**	ASTM D2974-87	455009		
40268021025	**MR OB 522R 0-6**	ASTM D2974-87	455009		
40268021026	**MR OB 523R 0-6**	ASTM D2974-87	455009		
40268021027	**MR OB REP 01**	ASTM D2974-87	455009		
40268021028	**MR OB REP 02**	ASTM D2974-87	455009		
40268021029	**MR SCR 014L A/AW**	ASTM D2974-87	455009		
40268021031	**MR SCR 013L D/AW**	ASTM D2974-87	455009		
40268021032	**MR SCR 013L C/AW**	ASTM D2974-87	455009		
40268021033	**MR SCR 013L B/AW**	ASTM D2974-87	455009		
40268021034	**MR SCR 013L A/AW**	ASTM D2974-87	455009		
40268021036	**MR PBS 017L A/AW**	ASTM D2974-87	455009		
40268021038	**MR PBS 516R A/AW**	ASTM D2974-87	455009		
40268021039	**MR PBS REP 1**	ASTM D2974-87	455037		
40268021041	**MR PBS 015L A/AW**	ASTM D2974-87	455037		
40268021043	**MR PBS 514R A/AW**	ASTM D2974-87	455037		
40268021045	**MR PBS 513R A/AW**	ASTM D2974-87	455037		
40268021048	**MR IC 526R 6-9**	ASTM D2974-87	455037		
40268021050	**MR IC 921C 6-9**	ASTM D2974-87	455037		
40268021052	**MR IC 013L 6-10**	ASTM D2974-87	455037		
40268021048	**MR IC 526R 6-9**	ASTM D6913	455342		
40268021048	**MR IC 526R 6-9**	Lloyd Kahn	456147		

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

40268021

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CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	TRC
Branch/Location:	230 West Monroe St. Suite 1840 Chicago, IL 60606
Project Contact:	Chris Harvey
Phone:	312-909-0043
Project Number:	320928
Project Name:	HARP
Project State:	WI
Sampled By (Print):	Ben Wachholz
Sampled By (Sign):	Ben Wachholz
PO #:	200599
Regulatory Program:	

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

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

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

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

Matrix Codes

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PCBs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MR SCR 517R D/AW	9/12/23	12:12	S	N	A	X			
002	MR SCR 016L D/AW	9/12/23	13:27	S			X			
003	MR SCR 016L C/AW	9/12/23	13:23	S			X			
004	MR SCR 016L B/AW	9/12/23	13:26	S			X			
005	MR SCR 016L A/UW	9/12/23	13:29	S			X			
006	MR SCR 515R D/AW	9/12/23	14:46	S			X			
007	MR SCR 515R C/AW	9/12/23	14:50	S			X			
008	MR SCR REP 1	9/12/23	-	S			X			
009	MR SCR 515R B/AW	9/12/23	14:52	S			X			
010	MR SCR 515R A/AW	9/12/23	14:54	S			X			
011	MR SCR 014L D/AW	9/12/23	15:43	S			X			
012	MR SCR 014L C/AW	9/12/23	15:51	S			X			
013	MR SCR 014L B/AW	9/12/23	15:53	S			X			

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

Transmit Prelim Rush Results by (complete what you want):

Email #1:	charvey@trccompanies.com
Email #2:	bwachholz@trccompanies.com
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ben Wachholz	9/13/23 10:00	E. Jeff Page	9/13/23 1450
E. Jeff Page	9/13/23 1710	Susan Hilgendorf	09/13/23 1710

PACE Project No.

Receipt Temp = 2.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40268021

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same as ←
Address: 230 West Monroe St. Suite 1840 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address: HARP
Customer Project Name/Number: HARP-320928	State: WI / County/City: Chilton / Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: 312-909-0043 / Email: charvey@trccompanies.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Ben Wachholz	Purchase Order #: 200599 / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature): Ben Wachholz	Turnaround Date Required: standard / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No / Analysis:

Container Preservative Type **: U

** 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 Project Manager:

Analyses: PCBs

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PCBs	Lab Sample # / Comments
MR OB 010L 0-6	SL	G	9/11/23	1700				1	X	014
MR OB 511R 0-6	SL	G	9/11/23	1640				1	X	015
MR OB 012L 0-6	SL	G	9/11/23	1545				1	X	016
MR OB 013L 0-6	SL	G	9/11/23	1605				1	X	017
MR OB 514R 0-6	SL	G	9/11/23	1505				1	X	018
MR OB 015L 0-6	SL	G	9/11/23	1300				1	X	019
BW ~~MR OB 016L 0-6~~	~~SL~~	~~G~~	~~9/11/23~~	~~1350~~				~~1~~	~~X~~	—
MR OB 017L 0-6	SL	G	9/11/23	1410				1	X	020
MR OB 518R 0-6	SL	G	9/11/23	1230				1	X	021
MR OB 519R 0-6	SL	G	9/11/23	1150				1	X	022

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909226

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#:
Cooler 1 Temp Upon Receipt: 0 oC
Cooler 1 Therm Corr. Factor: oC
Cooler 1 Corrected Temp: oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/13/23 10:00	E Feijt Pace	9/13/23 1450
E Feijt Pace	9/13/23 1710	Susan K Wyler Pace	09/13/23 1710

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

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40268021

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same as ←
Address: 230 West Monroe St, Suite 1840 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address: HARP
Customer Project Name/Number: HARP - 320928	State: WI / County/City: Chilton / Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: 312-909-0043 / Email: charvey@trccompanies.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Ben Wachholz	Purchase Order #: 200599 / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature): Ben Wachholz	Turnaround Date Required: standard / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive. _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No / Analysis: _____

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

** 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 _____

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Preservative Type **	Analyses: PCBs	Lab Profile/Line: LAB USE ONLY Lab Sample # / Comments:
MR OB 520R 0-6	SL	G	9/11/23	1205				1	U	X	023
MR OB 521R 0-6	SL	G	9/11/23	1035				1	U	X	024
MR OB 522R 0-6	SL	G	9/11/23	1015				1	U	X	025
MR OB 523R 0-6	SL	G	9/11/23	9:55				1	U	X	026
~~MR OB 524R 0-6~~ BW	~~SL~~	~~G~~	~~9/11/23~~	~~1105~~				~~1~~	~~U~~	~~X~~	
~~MR OB 519R 0-6 REP~~ BW	~~SL~~	~~G~~	~~9/11/23~~	~~1155~~				~~1~~	~~U~~	~~X~~	
~~MR OB 010L 0-6 REP~~ BW	~~SL~~	~~G~~	~~9/11/23~~	~~1700~~				~~1~~	~~U~~	~~X~~	
											~~027~~
MR OB REP 01	SL	G	9/11/23	-				1	U	X	~~028~~ 027
MR OB REP 02	SL	G	9/11/23	-				1	U	X	028

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909227

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/13/23 10:00	E. Jeff Pace	9/13/23 14:50
E. Jeff Pace	9/13/23 1710	Susan K Mc Paine	09/13/23 1710

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

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ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same as
Address: 233 West Monroe St. Suite 1840 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address:
Customer Project Name/Number: HARP-320928	State: WI / County/City: Chilton / Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: 312-909-0043 Email: charvey@trccompanies.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Ben Wachholz	Purchase Order #: 200599 / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature): Ben Wachholz	Turnaround Date Required: Standard / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No / Analysis:

Container Preservative Type **: U

** 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 Project Manager:

Analyses: PCBs

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PCBs	Lab Sample # / Comments
MR SCR 014L A/AW	SL	G	9/12/23	15:59				1	X	029
MR SCR EB1	W	G	9/12/23	16:40				2	X	030
MR SCR 013L D/AW	SL	G	9/12/23	17:41				1	X	031
MR SCR 013L C/AW	SL	G	9/12/23	17:42				1	X	032
MR SCR 013L B/AW	SL	G	9/12/23	17:43				1	X	033
MR SCR 013L A/AW	SL	G	9/12/23	17:44				1	X	034
MR PBS 017L B/AW	SL	G	9/12/23	19:56				1	X	HOLD 035
MR PBS 017L A/AW	SL	G	9/12/23	19:59				1	X	036
MR PBS 516R B/AW	SL	G	9/12/23	20:22				1	X	HOLD 037
MR PBS 516R A/AW	SL	G	9/12/23	20:25				1	X	038

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909228

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/13/23 10:00	E. Leif Pace	9/13/23 1450
E. Leif Pace	9/13/23 1710	Susan K Wheeler Pace	09/13/23 1710

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

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40268021

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same as ↓
Address: 230 West Monroe St. Suite 1840 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address:
Customer Project Name/Number: HARP-320928	State: WI / County/City: Chilton / Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: 312-909-0043 Email: charvey@trccompanies.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Ben Wachholz	Purchase Order #: 200599 Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature): Ben Wachholz	Turnaround Date Required: standard / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No Analysis:

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

Container Preservative Type **: U

Lab Project Manager:

** 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 _____

Analyses: PCBs

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA	
Custody Signatures Present	Y	N	NA	
Collector Signature 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 Soils	Y	N	NA	
Samples in Holding Time	Y	N	NA	
Residual Chlorine Present	Y	N	NA	
Cl Strips: _____				
Sample pH Acceptable	Y	N	NA	
pH Strips: _____				
Sulfide Present	Y	N	NA	
Lead Acetate Strips: _____				

LAB USE ONLY:
Lab Sample # / Comments:

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PCBs	Lab Sample # / Comments
MR PBS REP 1	SL	G	9/12/23					1	X	039
MR PBS 05L B/AW	SL	G	9/12/23	20:37				1	X	HOLD 040
MR PBS 015L A/AW	SL	G	9/12/23	20:40				1	X	041
MR PBS 514R B/AW	SL	G	9/12/23	21:24				1	X	HOLD 042
MR PBS 514R A/AW	SL	G	9/12/23	21:27				1	X	043
MR PBS 513R B/AW	SL	G	9/12/23	21:00				1	X	HOLD 044
MR PBS 513R A/AW	SL	G	9/12/23	21:03				1	X	045
MR OB EB 01	W	G	9/12/23	21:45				2	X	046

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909229

Samples received via: FEDEX UPS Client Courier Pace Courier

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

	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature) Ben Wachholz (TRC)	9/13/23 10:00	E. Feijt Pace	9/13/23 1450
Relinquished by/Company: (Signature) E. Feijt Pace	9/13/23 1710	Susan K Wylie Pace	09/13/23 1710
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

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ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same as
Address: 230 West Monroe St., Suite 1040 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address: HARP
Customer Project Name/Number: HARP - 320928	State: WI County/City: Chilton Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: 312-909-0043 Email: charvey@trccompanies.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Ben Wachholz	Purchase Order #: 200599 Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): Ben Wachholz	Turnaround Date Required: Standard Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type **: U U U

Lab Project Manager:

** 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 _____

Analyses: PLBS, TOC, Grain Size

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PLBS	TOC	Grain Size	Lab Sample # / Comments
MR IC 526R 0-6	SL	G	9/12/23	1015				1	X			HOLD 047
MR IC 526R 6-9	SL	G	9/12/23	1015			3	4	X	X	X	048
MR IC 921C 0-6	SL	G	9/12/23	1115				1	X			HOLD 049
MR IC 921C 6-9	SL	G	9/12/23	1117				1	X			050
MR IC 013L 0-6	SL	G	9/12/23	1130				1	X			HOLD 051
MR IC 013L 6-10	SL	G	9/12/23	1132				1	X			052
BW ~~MR IC 522R 0-6~~	~~SL~~	~~G~~	~~9/12/23~~	~~1058~~				~~1~~	~~X~~			~~HOLD~~
BW ~~MR IC 522R 6-8~~	~~SL~~	~~G~~	~~9/12/23~~	~~1100~~				~~2~~	~~X~~	~~X~~		~~—~~
BW ~~MR IC 529R 0-6~~	~~SL~~	~~G~~	~~9/12/23~~	~~1150~~				~~1~~	~~X~~			~~HOLD~~
BW ~~MR IC 529R 6-7~~	~~SL~~	~~G~~	~~9/12/23~~	~~1152~~				~~1~~	~~X~~			~~—~~

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909237

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature) Ben Wachholz (TRC)	Date/Time: 9/13/23 10:00	Received by/Company: (Signature) E. Jeff Pace	Date/Time: 9/13/23 1450
Relinquished by/Company: (Signature) E. Jeff Pace	Date/Time: 9/13/23 1710	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Client Name: TRC

Sample Preservation Receipt Form

Project # 40268021

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

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

	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	Initial when completed.				Date/ Time	
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2		H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																				/														2.5 / 5
002																				/														2.5 / 5
003																				/														2.5 / 5
004																				/														2.5 / 5
005																				/														2.5 / 5
006																				/														2.5 / 5
007																				/														2.5 / 5
008																				/														2.5 / 5
009																				/														2.5 / 5
010																				/														2.5 / 5
011																				/														2.5 / 5
012																				/														2.5 / 5
013																				/														2.5 / 5
014																				/														2.5 / 5
015																				/														2.5 / 5
016																				/														2.5 / 5
017																				/														2.5 / 5
018																				/														2.5 / 5
019																				/														2.5 / 5
020																				/														2.5 / 5

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
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4
BP2Z	500 mL plastic NaOH + Zn

VG9C	40 mL clear ascorbic w/ HCl
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN 1	
GN 2	

Client Name: TRC

Sample Preservation Receipt Form

Project #: 40268021

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
021																				/														2.5 / 5
022																				/														2.5 / 5
023																				/														2.5 / 5
024																				/														2.5 / 5
025																				/														2.5 / 5
026																				/														2.5 / 5
027																				/														2.5 / 5
028																				/														2.5 / 5
029																				/														2.5 / 5
030	2																																	2.5 / 5
031																				/														2.5 / 5
032																				/														2 5 / 5
033																				/														2.5 / 5
034																				/														2.5 / 5
035																				/														2.5 / 5
036																				/														2.5 / 5
037																				/														2.5 / 5
038																				/														2.5 / 5
039																				/														2.5 / 5
040																				/														2.5 / 5
041																				/														2 5 / 5
042																				/														2 5 / 5
043																				/														2.5 / 5
044																				/														2.5 / 5
045																				/														2.5 / 5
046	2																			/														2.5 / 5
047																				/														2.5 / 5
048																				/	1													2.5 / 5

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Sample Preservation Receipt Form

Client Name: TRC

Project #: 4026802l

Pace Lab #	Glass AG1U	Glass BG1U	Glass AG1H	Glass AG4S	Glass AG5U	Glass AG2S	Glass BG3U	Plastic BP1U	Plastic BP3U	Plastic BP3B	Plastic BP3N	Plastic BP3S	Plastic BP2Z	Vials VG9C	Vials DG9T	Vials VG9U	Vials VG9H	Vials VG9M	Vials VG9D	Jars JGFU	Jars JG9U	Jars WGFU	Jars WPFU	General SP5T	General ZPLC	General GN 1	General GN 2	VOA Vials (>6mm)*	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
049																				1														2.5 / 5
050																				1														2.5 / 5
051																				1														2.5 / 5
052																				1														2.5 / 5
																																		2.5 / 5
																																		2.5 / 5
																																		2.5 / 5
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																																		2.5 / 5
																																		2.5 / 5

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Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40268021

40268021

Client Name: TRC

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

Tracking #: _____ 09/14/23 SW

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 - 117 **Type of Ice:** Wet Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 1.5 /Corr. 2.0

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

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents: Date: 09/14/23 /Initials: SW

Labeled By Initials: MA

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD. ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
Correct Type: (Pace Green Bay), Pace IR, Non-Pace		
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: S+W	☐Yes ☐No ☐N/A	12. 019 time 1330; 007 time 1449. 027+028 FD is MROBREPO2
Trip Blank Present:	☐Yes ☐No ☑N/A	13. Placed randomly. 09/14/23 SW
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

Page 4 of 4

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

October 10, 2023

Chris Harvey
TRC Environmental
230 W. Monroe St
Suite 630
Chicago, IL 60606

RE: Project: HARP-320928
Pace Project No.: 40268156

Dear Chris Harvey:

Enclosed are the analytical results for sample(s) received by the laboratory on September 15, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

Tod Noltemeyer

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

Enclosures

cc: Jessica Esser, TRC
Robert Hanley, TRC
Maddie Holicky, TRC
Peggy Popp, TRC - Madison
Ben Wachholz, TRC Madison

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

CERTIFICATIONS

Project: HARP-320928
Pace Project No.: 40268156

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: HARP-320928
Pace Project No.: 40268156

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40268156001	**MR OB 016L 0-6**	Solid	09/13/23 11:10	09/15/23 14:15
40268156002	**MR OB DUP 01**	Solid	09/13/23 00:00	09/15/23 14:15
40268156003	**MR SCR 512R A/AW**	Solid	09/13/23 11:20	09/15/23 14:15
40268156004	**MR SCR 512R B/AW**	Solid	09/13/23 11:23	09/15/23 14:15
40268156005	**MR SCR REP 02**	Solid	09/13/23 00:00	09/15/23 14:15
40268156006	**MR SCR 512R C/AW**	Solid	09/13/23 11:28	09/15/23 14:15
40268156007	**MR SCR 512R D/AW**	Solid	09/13/23 11:30	09/15/23 14:15
40268156008	**MR SCR DUP 01**	Solid	09/13/23 00:00	09/15/23 14:15
40268156009	**MR OB 524R 0-6**	Solid	09/13/23 12:20	09/15/23 14:15
40268156010	**MR OB DUP 02**	Solid	09/13/23 00:00	09/15/23 14:15
40268156011	**MR PBS 012L B/AW**	Solid	09/13/23 20:40	09/15/23 14:15
40268156012	**MR PBS 012L A/AW**	Solid	09/13/23 20:42	09/15/23 14:15
40268156013	**MR PBS 511R B/UW**	Solid	09/13/23 21:00	09/15/23 14:15
40268156014	**MR PBS 511R A/UW**	Solid	09/13/23 21:01	09/15/23 14:15
40268156015	**MR PBS REP 02**	Solid	09/13/23 00:00	09/15/23 14:15
40268156016	**MR PBS 010L B/UW**	Solid	09/13/23 21:16	09/15/23 14:15
40268156017	**MR PBS 010L A/UW**	Solid	09/13/23 21:17	09/15/23 14:15
40268156018	**MR SCR 011L A/AW**	Solid	09/13/23 12:27	09/15/23 14:15
40268156019	**MR SCR 011L B/AW**	Solid	09/13/23 12:30	09/15/23 14:15
40268156020	**MR SCR 011L C/AW**	Solid	09/13/23 12:32	09/15/23 14:15
40268156021	**MR SCR DUP 02**	Solid	09/13/23 00:00	09/15/23 14:15
40268156022	**MR SCR 011L D/AW**	Solid	09/13/23 12:34	09/15/23 14:15
40268156023	**MR SCR 510R B/AW**	Solid	09/13/23 13:17	09/15/23 14:15
40268156024	**MR SCR REP 03**	Solid	09/13/23 00:00	09/15/23 14:15
40268156025	**MR SCR DUP 03**	Solid	09/13/23 00:00	09/15/23 14:15
40268156026	**MR SCR EB 02**	Water	09/13/23 00:00	09/15/23 14:15
40268156027	**MR IC EB 01**	Water	09/13/23 00:00	09/15/23 14:15

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: HARP-320928
Pace Project No.: 40268156

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40268156001	**MR OB 016L 0-6**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156002	**MR OB DUP 01**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156003	**MR SCR 512R A/AW**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156004	**MR SCR 512R B/AW**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156005	**MR SCR REP 02**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156006	**MR SCR 512R C/AW**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156007	**MR SCR 512R D/AW**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156008	**MR SCR DUP 01**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156009	**MR OB 524R 0-6**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156010	**MR OB DUP 02**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156012	**MR PBS 012L A/AW**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156014	**MR PBS 511R A/UW**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156015	**MR PBS REP 02**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156017	**MR PBS 010L A/UW**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156018	**MR SCR 011L A/AW**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156019	**MR SCR 011L B/AW**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156020	**MR SCR 011L C/AW**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156021	**MR SCR DUP 02**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156022	**MR SCR 011L D/AW**	EPA 8082A	BLM	12

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: HARP-320928
Pace Project No.: 40268156

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		ASTM D2974-87	SRG	1
40268156023	**MR SCR 510R B/AW**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156024	**MR SCR REP 03**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156025	**MR SCR DUP 03**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268156026	**MR SCR EB 02**	EPA 8082A	BLM	12
40268156027	**MR IC EB 01**	EPA 8082A	BLM	12

PASI-G = Pace Analytical Services - Green Bay

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

PROJECT NARRATIVE

Project: HARP-320928
Pace Project No.: 40268156

Method: **EPA 8082A**
Description: 8082A GCS PCB
Client: TRC - MADISON
Date: October 10, 2023

General Information:
22 samples were analyzed for EPA 8082A by Pace Analytical Services Green Bay. 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 3541 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.

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

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

PROJECT NARRATIVE

Project: HARP-320928
Pace Project No.: 40268156

Method: **EPA 8082A**
Description: 8082A GCS PCB Low Volume
Client: TRC - MADISON
Date: October 10, 2023

General Information:
2 samples were analyzed for EPA 8082A by Pace Analytical Services Green Bay. 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 3510 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.

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

Batch Comments:

MS/MSD was shared with HBN:454982
- QC Batch: 455064

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

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

ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR OB 016L 0-6 **Lab ID: 40268156001** Collected: 09/13/23 11:10 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<21.1**	ug/kg	69.4	21.1	1	09/19/23 10:17	09/20/23 00:36	12674-11-2	
PCB-1221 (Aroclor 1221)	**<21.1**	ug/kg	69.4	21.1	1	09/19/23 10:17	09/20/23 00:36	11104-28-2	
PCB-1232 (Aroclor 1232)	**<21.1**	ug/kg	69.4	21.1	1	09/19/23 10:17	09/20/23 00:36	11141-16-5	
PCB-1242 (Aroclor 1242)	**<21.1**	ug/kg	69.4	21.1	1	09/19/23 10:17	09/20/23 00:36	53469-21-9	
PCB-1248 (Aroclor 1248)	**<21.1**	ug/kg	69.4	21.1	1	09/19/23 10:17	09/20/23 00:36	12672-29-6	
PCB-1254 (Aroclor 1254)	**<21.1**	ug/kg	69.4	21.1	1	09/19/23 10:17	09/20/23 00:36	11097-69-1	
PCB-1260 (Aroclor 1260)	**<21.1**	ug/kg	69.4	21.1	1	09/19/23 10:17	09/20/23 00:36	11096-82-5	
PCB-1262 (Aroclor 1262)	**<21.1**	ug/kg	69.4	21.1	1	09/19/23 10:17	09/20/23 00:36	37324-23-5	
PCB-1268 (Aroclor 1268)	**<21.1**	ug/kg	69.4	21.1	1	09/19/23 10:17	09/20/23 00:36	11100-14-4	
PCB, Total	**<21.1**	ug/kg	69.4	21.1	1	09/19/23 10:17	09/20/23 00:36	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	74	%	44-120		1	09/19/23 10:17	09/20/23 00:36	877-09-8	
Decachlorobiphenyl (S)	69	%	34-120		1	09/19/23 10:17	09/20/23 00:36	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**27.8**	%	0.10	0.10	1		09/19/23 15:54		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR OB DUP 01 **Lab ID: 40268156002** Collected: 09/13/23 00:00 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<20.8**	ug/kg	68.3	20.8	1	09/19/23 10:17	09/20/23 00:57	12674-11-2	
PCB-1221 (Aroclor 1221)	**<20.8**	ug/kg	68.3	20.8	1	09/19/23 10:17	09/20/23 00:57	11104-28-2	
PCB-1232 (Aroclor 1232)	**<20.8**	ug/kg	68.3	20.8	1	09/19/23 10:17	09/20/23 00:57	11141-16-5	
PCB-1242 (Aroclor 1242)	**<20.8**	ug/kg	68.3	20.8	1	09/19/23 10:17	09/20/23 00:57	53469-21-9	
PCB-1248 (Aroclor 1248)	**<20.8**	ug/kg	68.3	20.8	1	09/19/23 10:17	09/20/23 00:57	12672-29-6	
PCB-1254 (Aroclor 1254)	**<20.8**	ug/kg	68.3	20.8	1	09/19/23 10:17	09/20/23 00:57	11097-69-1	
PCB-1260 (Aroclor 1260)	**<20.8**	ug/kg	68.3	20.8	1	09/19/23 10:17	09/20/23 00:57	11096-82-5	
PCB-1262 (Aroclor 1262)	**<20.8**	ug/kg	68.3	20.8	1	09/19/23 10:17	09/20/23 00:57	37324-23-5	
PCB-1268 (Aroclor 1268)	**<20.8**	ug/kg	68.3	20.8	1	09/19/23 10:17	09/20/23 00:57	11100-14-4	
PCB, Total	**<20.8**	ug/kg	68.3	20.8	1	09/19/23 10:17	09/20/23 00:57	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	44-120		1	09/19/23 10:17	09/20/23 00:57	877-09-8	
Decachlorobiphenyl (S)	77	%	34-120		1	09/19/23 10:17	09/20/23 00:57	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**26.9**	%	0.10	0.10	1		09/19/23 15:54		

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR SCR 512R A/AW **Lab ID: 40268156003** Collected: 09/13/23 11:20 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<18.1**	ug/kg	59.4	18.1	1	09/19/23 10:17	09/20/23 01:18	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.1**	ug/kg	59.4	18.1	1	09/19/23 10:17	09/20/23 01:18	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.1**	ug/kg	59.4	18.1	1	09/19/23 10:17	09/20/23 01:18	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.1**	ug/kg	59.4	18.1	1	09/19/23 10:17	09/20/23 01:18	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.1**	ug/kg	59.4	18.1	1	09/19/23 10:17	09/20/23 01:18	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.1**	ug/kg	59.4	18.1	1	09/19/23 10:17	09/20/23 01:18	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.1**	ug/kg	59.4	18.1	1	09/19/23 10:17	09/20/23 01:18	11096-82-5	
PCB-1262 (Aroclor 1262)	**<18.1**	ug/kg	59.4	18.1	1	09/19/23 10:17	09/20/23 01:18	37324-23-5	
PCB-1268 (Aroclor 1268)	**<18.1**	ug/kg	59.4	18.1	1	09/19/23 10:17	09/20/23 01:18	11100-14-4	
PCB, Total	**<18.1**	ug/kg	59.4	18.1	1	09/19/23 10:17	09/20/23 01:18	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	78	%	44-120		1	09/19/23 10:17	09/20/23 01:18	877-09-8	
Decachlorobiphenyl (S)	74	%	34-120		1	09/19/23 10:17	09/20/23 01:18	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**16.2**	%	0.10	0.10	1		09/19/23 15:54		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR SCR 512R B/AW **Lab ID: 40268156004** Collected: 09/13/23 11:23 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<19.7**	ug/kg	64.6	19.7	1	09/19/23 10:17	09/20/23 01:40	12674-11-2	
PCB-1221 (Aroclor 1221)	**<19.7**	ug/kg	64.6	19.7	1	09/19/23 10:17	09/20/23 01:40	11104-28-2	
PCB-1232 (Aroclor 1232)	**<19.7**	ug/kg	64.6	19.7	1	09/19/23 10:17	09/20/23 01:40	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.7**	ug/kg	64.6	19.7	1	09/19/23 10:17	09/20/23 01:40	53469-21-9	
PCB-1248 (Aroclor 1248)	**<19.7**	ug/kg	64.6	19.7	1	09/19/23 10:17	09/20/23 01:40	12672-29-6	
PCB-1254 (Aroclor 1254)	**62.2J**	ug/kg	64.6	19.7	1	09/19/23 10:17	09/20/23 01:40	11097-69-1	
PCB-1260 (Aroclor 1260)	**<19.7**	ug/kg	64.6	19.7	1	09/19/23 10:17	09/20/23 01:40	11096-82-5	
PCB-1262 (Aroclor 1262)	**<19.7**	ug/kg	64.6	19.7	1	09/19/23 10:17	09/20/23 01:40	37324-23-5	
PCB-1268 (Aroclor 1268)	**<19.7**	ug/kg	64.6	19.7	1	09/19/23 10:17	09/20/23 01:40	11100-14-4	
PCB, Total	**62.2J**	ug/kg	64.6	19.7	1	09/19/23 10:17	09/20/23 01:40	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	44-120		1	09/19/23 10:17	09/20/23 01:40	877-09-8	
Decachlorobiphenyl (S)	76	%	34-120		1	09/19/23 10:17	09/20/23 01:40	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**22.5**	%	0.10	0.10	1		09/19/23 15:54		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR SCR REP 02 **Lab ID: 40268156005** Collected: 09/13/23 00:00 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<19.5**	ug/kg	64.2	19.5	1	09/19/23 10:17	09/20/23 02:01	12674-11-2	
PCB-1221 (Aroclor 1221)	**<19.5**	ug/kg	64.2	19.5	1	09/19/23 10:17	09/20/23 02:01	11104-28-2	
PCB-1232 (Aroclor 1232)	**<19.5**	ug/kg	64.2	19.5	1	09/19/23 10:17	09/20/23 02:01	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.5**	ug/kg	64.2	19.5	1	09/19/23 10:17	09/20/23 02:01	53469-21-9	
PCB-1248 (Aroclor 1248)	**<19.5**	ug/kg	64.2	19.5	1	09/19/23 10:17	09/20/23 02:01	12672-29-6	
PCB-1254 (Aroclor 1254)	**61.4J**	ug/kg	64.2	19.5	1	09/19/23 10:17	09/20/23 02:01	11097-69-1	
PCB-1260 (Aroclor 1260)	**<19.5**	ug/kg	64.2	19.5	1	09/19/23 10:17	09/20/23 02:01	11096-82-5	
PCB-1262 (Aroclor 1262)	**<19.5**	ug/kg	64.2	19.5	1	09/19/23 10:17	09/20/23 02:01	37324-23-5	
PCB-1268 (Aroclor 1268)	**<19.5**	ug/kg	64.2	19.5	1	09/19/23 10:17	09/20/23 02:01	11100-14-4	
PCB, Total	**61.4J**	ug/kg	64.2	19.5	1	09/19/23 10:17	09/20/23 02:01	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	44-120		1	09/19/23 10:17	09/20/23 02:01	877-09-8	
Decachlorobiphenyl (S)	77	%	34-120		1	09/19/23 10:17	09/20/23 02:01	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**22.3**	%	0.10	0.10	1		09/19/23 15:54		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR SCR 512R C/AW **Lab ID: 40268156006** Collected: 09/13/23 11:28 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<16.9**	ug/kg	55.6	16.9	1	09/19/23 10:17	09/20/23 02:22	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.9**	ug/kg	55.6	16.9	1	09/19/23 10:17	09/20/23 02:22	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.9**	ug/kg	55.6	16.9	1	09/19/23 10:17	09/20/23 02:22	11141-16-5	
PCB-1242 (Aroclor 1242)	**<16.9**	ug/kg	55.6	16.9	1	09/19/23 10:17	09/20/23 02:22	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.9**	ug/kg	55.6	16.9	1	09/19/23 10:17	09/20/23 02:22	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.9**	ug/kg	55.6	16.9	1	09/19/23 10:17	09/20/23 02:22	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.9**	ug/kg	55.6	16.9	1	09/19/23 10:17	09/20/23 02:22	11096-82-5	
PCB-1262 (Aroclor 1262)	**<16.9**	ug/kg	55.6	16.9	1	09/19/23 10:17	09/20/23 02:22	37324-23-5	
PCB-1268 (Aroclor 1268)	**<16.9**	ug/kg	55.6	16.9	1	09/19/23 10:17	09/20/23 02:22	11100-14-4	
PCB, Total	**<16.9**	ug/kg	55.6	16.9	1	09/19/23 10:17	09/20/23 02:22	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	44-120		1	09/19/23 10:17	09/20/23 02:22	877-09-8	
Decachlorobiphenyl (S)	77	%	34-120		1	09/19/23 10:17	09/20/23 02:22	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**9.9**	%	0.10	0.10	1		09/19/23 15:54		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR SCR 512R D/AW **Lab ID: 40268156007** Collected: 09/13/23 11:30 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<18.2**	ug/kg	59.8	18.2	1	09/19/23 10:17	09/20/23 02:43	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.2**	ug/kg	59.8	18.2	1	09/19/23 10:17	09/20/23 02:43	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.2**	ug/kg	59.8	18.2	1	09/19/23 10:17	09/20/23 02:43	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.2**	ug/kg	59.8	18.2	1	09/19/23 10:17	09/20/23 02:43	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.2**	ug/kg	59.8	18.2	1	09/19/23 10:17	09/20/23 02:43	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.2**	ug/kg	59.8	18.2	1	09/19/23 10:17	09/20/23 02:43	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.2**	ug/kg	59.8	18.2	1	09/19/23 10:17	09/20/23 02:43	11096-82-5	
PCB-1262 (Aroclor 1262)	**<18.2**	ug/kg	59.8	18.2	1	09/19/23 10:17	09/20/23 02:43	37324-23-5	
PCB-1268 (Aroclor 1268)	**<18.2**	ug/kg	59.8	18.2	1	09/19/23 10:17	09/20/23 02:43	11100-14-4	
PCB, Total	**<18.2**	ug/kg	59.8	18.2	1	09/19/23 10:17	09/20/23 02:43	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	44-120		1	09/19/23 10:17	09/20/23 02:43	877-09-8	
Decachlorobiphenyl (S)	78	%	34-120		1	09/19/23 10:17	09/20/23 02:43	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**16.3**	%	0.10	0.10	1		09/19/23 15:54		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR SCR DUP 01 **Lab ID: 40268156008** Collected: 09/13/23 00:00 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<17.8**	ug/kg	58.5	17.8	1	09/19/23 10:17	09/20/23 03:05	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.8**	ug/kg	58.5	17.8	1	09/19/23 10:17	09/20/23 03:05	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.8**	ug/kg	58.5	17.8	1	09/19/23 10:17	09/20/23 03:05	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.8**	ug/kg	58.5	17.8	1	09/19/23 10:17	09/20/23 03:05	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.8**	ug/kg	58.5	17.8	1	09/19/23 10:17	09/20/23 03:05	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.8**	ug/kg	58.5	17.8	1	09/19/23 10:17	09/20/23 03:05	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.8**	ug/kg	58.5	17.8	1	09/19/23 10:17	09/20/23 03:05	11096-82-5	
PCB-1262 (Aroclor 1262)	**<17.8**	ug/kg	58.5	17.8	1	09/19/23 10:17	09/20/23 03:05	37324-23-5	
PCB-1268 (Aroclor 1268)	**<17.8**	ug/kg	58.5	17.8	1	09/19/23 10:17	09/20/23 03:05	11100-14-4	
PCB, Total	**<17.8**	ug/kg	58.5	17.8	1	09/19/23 10:17	09/20/23 03:05	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	44-120		1	09/19/23 10:17	09/20/23 03:05	877-09-8	
Decachlorobiphenyl (S)	83	%	34-120		1	09/19/23 10:17	09/20/23 03:05	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.4**	%	0.10	0.10	1		09/19/23 15:54		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR OB 524R 0-6 **Lab ID: 40268156009** Collected: 09/13/23 12:20 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<25.0**	ug/kg	82.2	25.0	1	09/19/23 10:17	09/20/23 03:26	12674-11-2	
PCB-1221 (Aroclor 1221)	**<25.0**	ug/kg	82.2	25.0	1	09/19/23 10:17	09/20/23 03:26	11104-28-2	
PCB-1232 (Aroclor 1232)	**<25.0**	ug/kg	82.2	25.0	1	09/19/23 10:17	09/20/23 03:26	11141-16-5	
PCB-1242 (Aroclor 1242)	**<25.0**	ug/kg	82.2	25.0	1	09/19/23 10:17	09/20/23 03:26	53469-21-9	
PCB-1248 (Aroclor 1248)	**<25.0**	ug/kg	82.2	25.0	1	09/19/23 10:17	09/20/23 03:26	12672-29-6	
PCB-1254 (Aroclor 1254)	**1040**	ug/kg	82.2	25.0	1	09/19/23 10:17	09/20/23 03:26	11097-69-1	
PCB-1260 (Aroclor 1260)	**<25.0**	ug/kg	82.2	25.0	1	09/19/23 10:17	09/20/23 03:26	11096-82-5	
PCB-1262 (Aroclor 1262)	**<25.0**	ug/kg	82.2	25.0	1	09/19/23 10:17	09/20/23 03:26	37324-23-5	
PCB-1268 (Aroclor 1268)	**<25.0**	ug/kg	82.2	25.0	1	09/19/23 10:17	09/20/23 03:26	11100-14-4	
PCB, Total	**1040**	ug/kg	82.2	25.0	1	09/19/23 10:17	09/20/23 03:26	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	70	%	44-120		1	09/19/23 10:17	09/20/23 03:26	877-09-8	
Decachlorobiphenyl (S)	64	%	34-120		1	09/19/23 10:17	09/20/23 03:26	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**39.3**	%	0.10	0.10	1		09/19/23 15:54		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR OB DUP 02 **Lab ID: 40268156010** Collected: 09/13/23 00:00 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<25.2**	ug/kg	82.9	25.2	1	09/19/23 10:17	09/20/23 03:47	12674-11-2	
PCB-1221 (Aroclor 1221)	**<25.2**	ug/kg	82.9	25.2	1	09/19/23 10:17	09/20/23 03:47	11104-28-2	
PCB-1232 (Aroclor 1232)	**<25.2**	ug/kg	82.9	25.2	1	09/19/23 10:17	09/20/23 03:47	11141-16-5	
PCB-1242 (Aroclor 1242)	**<25.2**	ug/kg	82.9	25.2	1	09/19/23 10:17	09/20/23 03:47	53469-21-9	
PCB-1248 (Aroclor 1248)	**<25.2**	ug/kg	82.9	25.2	1	09/19/23 10:17	09/20/23 03:47	12672-29-6	
PCB-1254 (Aroclor 1254)	**1150**	ug/kg	82.9	25.2	1	09/19/23 10:17	09/20/23 03:47	11097-69-1	
PCB-1260 (Aroclor 1260)	**<25.2**	ug/kg	82.9	25.2	1	09/19/23 10:17	09/20/23 03:47	11096-82-5	
PCB-1262 (Aroclor 1262)	**<25.2**	ug/kg	82.9	25.2	1	09/19/23 10:17	09/20/23 03:47	37324-23-5	
PCB-1268 (Aroclor 1268)	**<25.2**	ug/kg	82.9	25.2	1	09/19/23 10:17	09/20/23 03:47	11100-14-4	
PCB, Total	**1150**	ug/kg	82.9	25.2	1	09/19/23 10:17	09/20/23 03:47	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	44-120		1	09/19/23 10:17	09/20/23 03:47	877-09-8	
Decachlorobiphenyl (S)	74	%	34-120		1	09/19/23 10:17	09/20/23 03:47	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**39.6**	%	0.10	0.10	1		09/19/23 15:54		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR PBS 012L A/AW **Lab ID: 40268156012** Collected: 09/13/23 20:42 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<19.4**	ug/kg	63.6	19.4	1	09/19/23 10:17	09/20/23 04:09	12674-11-2	
PCB-1221 (Aroclor 1221)	**<19.4**	ug/kg	63.6	19.4	1	09/19/23 10:17	09/20/23 04:09	11104-28-2	
PCB-1232 (Aroclor 1232)	**<19.4**	ug/kg	63.6	19.4	1	09/19/23 10:17	09/20/23 04:09	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.4**	ug/kg	63.6	19.4	1	09/19/23 10:17	09/20/23 04:09	53469-21-9	
PCB-1248 (Aroclor 1248)	**<19.4**	ug/kg	63.6	19.4	1	09/19/23 10:17	09/20/23 04:09	12672-29-6	
PCB-1254 (Aroclor 1254)	**<19.4**	ug/kg	63.6	19.4	1	09/19/23 10:17	09/20/23 04:09	11097-69-1	
PCB-1260 (Aroclor 1260)	**<19.4**	ug/kg	63.6	19.4	1	09/19/23 10:17	09/20/23 04:09	11096-82-5	
PCB-1262 (Aroclor 1262)	**<19.4**	ug/kg	63.6	19.4	1	09/19/23 10:17	09/20/23 04:09	37324-23-5	
PCB-1268 (Aroclor 1268)	**<19.4**	ug/kg	63.6	19.4	1	09/19/23 10:17	09/20/23 04:09	11100-14-4	
PCB, Total	**<19.4**	ug/kg	63.6	19.4	1	09/19/23 10:17	09/20/23 04:09	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	74	%	44-120		1	09/19/23 10:17	09/20/23 04:09	877-09-8	
Decachlorobiphenyl (S)	70	%	34-120		1	09/19/23 10:17	09/20/23 04:09	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**21.1**	%	0.10	0.10	1		09/19/23 15:54		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR PBS 511R A/UW **Lab ID: 40268156014** Collected: 09/13/23 21:01 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<19.5**	ug/kg	64.0	19.5	1	09/19/23 10:17	09/20/23 00:15	12674-11-2	
PCB-1221 (Aroclor 1221)	**<19.5**	ug/kg	64.0	19.5	1	09/19/23 10:17	09/20/23 00:15	11104-28-2	
PCB-1232 (Aroclor 1232)	**<19.5**	ug/kg	64.0	19.5	1	09/19/23 10:17	09/20/23 00:15	11141-16-5	
PCB-1242 (Aroclor 1242)	**89.5**	ug/kg	64.0	19.5	1	09/19/23 10:17	09/20/23 00:15	53469-21-9	
PCB-1248 (Aroclor 1248)	**<19.5**	ug/kg	64.0	19.5	1	09/19/23 10:17	09/20/23 00:15	12672-29-6	
PCB-1254 (Aroclor 1254)	**532**	ug/kg	64.0	19.5	1	09/19/23 10:17	09/20/23 00:15	11097-69-1	
PCB-1260 (Aroclor 1260)	**<19.5**	ug/kg	64.0	19.5	1	09/19/23 10:17	09/20/23 00:15	11096-82-5	
PCB-1262 (Aroclor 1262)	**<19.5**	ug/kg	64.0	19.5	1	09/19/23 10:17	09/20/23 00:15	37324-23-5	
PCB-1268 (Aroclor 1268)	**<19.5**	ug/kg	64.0	19.5	1	09/19/23 10:17	09/20/23 00:15	11100-14-4	
PCB, Total	**622**	ug/kg	64.0	19.5	1	09/19/23 10:17	09/20/23 00:15	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	78	%	44-120		1	09/19/23 10:17	09/20/23 00:15	877-09-8	
Decachlorobiphenyl (S)	74	%	34-120		1	09/19/23 10:17	09/20/23 00:15	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**21.8**	%	0.10	0.10	1		09/19/23 15:54		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR PBS REP 02 **Lab ID: 40268156015** Collected: 09/13/23 00:00 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<21.5**	ug/kg	70.7	21.5	1	09/21/23 11:07	09/22/23 01:01	12674-11-2	
PCB-1221 (Aroclor 1221)	**<21.5**	ug/kg	70.7	21.5	1	09/21/23 11:07	09/22/23 01:01	11104-28-2	
PCB-1232 (Aroclor 1232)	**<21.5**	ug/kg	70.7	21.5	1	09/21/23 11:07	09/22/23 01:01	11141-16-5	
PCB-1242 (Aroclor 1242)	**<21.5**	ug/kg	70.7	21.5	1	09/21/23 11:07	09/22/23 01:01	53469-21-9	
PCB-1248 (Aroclor 1248)	**102**	ug/kg	70.7	21.5	1	09/21/23 11:07	09/22/23 01:01	12672-29-6	
PCB-1254 (Aroclor 1254)	**383**	ug/kg	70.7	21.5	1	09/21/23 11:07	09/22/23 01:01	11097-69-1	
PCB-1260 (Aroclor 1260)	**<21.5**	ug/kg	70.7	21.5	1	09/21/23 11:07	09/22/23 01:01	11096-82-5	
PCB-1262 (Aroclor 1262)	**<21.5**	ug/kg	70.7	21.5	1	09/21/23 11:07	09/22/23 01:01	37324-23-5	
PCB-1268 (Aroclor 1268)	**<21.5**	ug/kg	70.7	21.5	1	09/21/23 11:07	09/22/23 01:01	11100-14-4	
PCB, Total	**485**	ug/kg	70.7	21.5	1	09/21/23 11:07	09/22/23 01:01	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	76	%	44-120		1	09/21/23 11:07	09/22/23 01:01	877-09-8	
Decachlorobiphenyl (S)	70	%	34-120		1	09/21/23 11:07	09/22/23 01:01	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**29.3**	%	0.10	0.10	1		09/19/23 15:54		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR PBS 010L A/UW **Lab ID: 40268156017** Collected: 09/13/23 21:17 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<23.0**	ug/kg	75.4	23.0	1	09/21/23 11:07	09/22/23 01:22	12674-11-2	
PCB-1221 (Aroclor 1221)	**<23.0**	ug/kg	75.4	23.0	1	09/21/23 11:07	09/22/23 01:22	11104-28-2	
PCB-1232 (Aroclor 1232)	**<23.0**	ug/kg	75.4	23.0	1	09/21/23 11:07	09/22/23 01:22	11141-16-5	
PCB-1242 (Aroclor 1242)	**<23.0**	ug/kg	75.4	23.0	1	09/21/23 11:07	09/22/23 01:22	53469-21-9	
PCB-1248 (Aroclor 1248)	**<23.0**	ug/kg	75.4	23.0	1	09/21/23 11:07	09/22/23 01:22	12672-29-6	
PCB-1254 (Aroclor 1254)	**<23.0**	ug/kg	75.4	23.0	1	09/21/23 11:07	09/22/23 01:22	11097-69-1	
PCB-1260 (Aroclor 1260)	**<23.0**	ug/kg	75.4	23.0	1	09/21/23 11:07	09/22/23 01:22	11096-82-5	
PCB-1262 (Aroclor 1262)	**<23.0**	ug/kg	75.4	23.0	1	09/21/23 11:07	09/22/23 01:22	37324-23-5	
PCB-1268 (Aroclor 1268)	**<23.0**	ug/kg	75.4	23.0	1	09/21/23 11:07	09/22/23 01:22	11100-14-4	
PCB, Total	**<23.0**	ug/kg	75.4	23.0	1	09/21/23 11:07	09/22/23 01:22	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	44-120		1	09/21/23 11:07	09/22/23 01:22	877-09-8	
Decachlorobiphenyl (S)	75	%	34-120		1	09/21/23 11:07	09/22/23 01:22	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**33.6**	%	0.10	0.10	1		09/19/23 15:55		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR SCR 011L A/AW **Lab ID: 40268156018** Collected: 09/13/23 12:27 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<18.8**	ug/kg	61.7	18.8	1	09/21/23 11:07	09/22/23 01:43	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.8**	ug/kg	61.7	18.8	1	09/21/23 11:07	09/22/23 01:43	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.8**	ug/kg	61.7	18.8	1	09/21/23 11:07	09/22/23 01:43	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.8**	ug/kg	61.7	18.8	1	09/21/23 11:07	09/22/23 01:43	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.8**	ug/kg	61.7	18.8	1	09/21/23 11:07	09/22/23 01:43	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.8**	ug/kg	61.7	18.8	1	09/21/23 11:07	09/22/23 01:43	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.8**	ug/kg	61.7	18.8	1	09/21/23 11:07	09/22/23 01:43	11096-82-5	
PCB-1262 (Aroclor 1262)	**<18.8**	ug/kg	61.7	18.8	1	09/21/23 11:07	09/22/23 01:43	37324-23-5	
PCB-1268 (Aroclor 1268)	**<18.8**	ug/kg	61.7	18.8	1	09/21/23 11:07	09/22/23 01:43	11100-14-4	
PCB, Total	**<18.8**	ug/kg	61.7	18.8	1	09/21/23 11:07	09/22/23 01:43	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	44-120		1	09/21/23 11:07	09/22/23 01:43	877-09-8	
Decachlorobiphenyl (S)	76	%	34-120		1	09/21/23 11:07	09/22/23 01:43	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**18.9**	%	0.10	0.10	1		09/19/23 15:55		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR SCR 011L B/AW **Lab ID: 40268156019** Collected: 09/13/23 12:30 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<19.0**	ug/kg	62.3	19.0	1	09/21/23 11:07	09/22/23 02:04	12674-11-2	
PCB-1221 (Aroclor 1221)	**<19.0**	ug/kg	62.3	19.0	1	09/21/23 11:07	09/22/23 02:04	11104-28-2	
PCB-1232 (Aroclor 1232)	**<19.0**	ug/kg	62.3	19.0	1	09/21/23 11:07	09/22/23 02:04	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.0**	ug/kg	62.3	19.0	1	09/21/23 11:07	09/22/23 02:04	53469-21-9	
PCB-1248 (Aroclor 1248)	**<19.0**	ug/kg	62.3	19.0	1	09/21/23 11:07	09/22/23 02:04	12672-29-6	
PCB-1254 (Aroclor 1254)	**<19.0**	ug/kg	62.3	19.0	1	09/21/23 11:07	09/22/23 02:04	11097-69-1	
PCB-1260 (Aroclor 1260)	**<19.0**	ug/kg	62.3	19.0	1	09/21/23 11:07	09/22/23 02:04	11096-82-5	
PCB-1262 (Aroclor 1262)	**<19.0**	ug/kg	62.3	19.0	1	09/21/23 11:07	09/22/23 02:04	37324-23-5	
PCB-1268 (Aroclor 1268)	**<19.0**	ug/kg	62.3	19.0	1	09/21/23 11:07	09/22/23 02:04	11100-14-4	
PCB, Total	**<19.0**	ug/kg	62.3	19.0	1	09/21/23 11:07	09/22/23 02:04	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	44-120		1	09/21/23 11:07	09/22/23 02:04	877-09-8	
Decachlorobiphenyl (S)	73	%	34-120		1	09/21/23 11:07	09/22/23 02:04	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**20.0**	%	0.10	0.10	1		09/19/23 15:55		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR SCR 011L C/AW **Lab ID: 40268156020** Collected: 09/13/23 12:32 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<17.3**	ug/kg	56.8	17.3	1	09/21/23 11:07	09/22/23 02:26	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.3**	ug/kg	56.8	17.3	1	09/21/23 11:07	09/22/23 02:26	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.3**	ug/kg	56.8	17.3	1	09/21/23 11:07	09/22/23 02:26	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.3**	ug/kg	56.8	17.3	1	09/21/23 11:07	09/22/23 02:26	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.3**	ug/kg	56.8	17.3	1	09/21/23 11:07	09/22/23 02:26	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.3**	ug/kg	56.8	17.3	1	09/21/23 11:07	09/22/23 02:26	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.3**	ug/kg	56.8	17.3	1	09/21/23 11:07	09/22/23 02:26	11096-82-5	
PCB-1262 (Aroclor 1262)	**<17.3**	ug/kg	56.8	17.3	1	09/21/23 11:07	09/22/23 02:26	37324-23-5	
PCB-1268 (Aroclor 1268)	**<17.3**	ug/kg	56.8	17.3	1	09/21/23 11:07	09/22/23 02:26	11100-14-4	
PCB, Total	**<17.3**	ug/kg	56.8	17.3	1	09/21/23 11:07	09/22/23 02:26	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	84	%	44-120		1	09/21/23 11:07	09/22/23 02:26	877-09-8	
Decachlorobiphenyl (S)	75	%	34-120		1	09/21/23 11:07	09/22/23 02:26	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**11.9**	%	0.10	0.10	1		09/19/23 16:29		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR SCR DUP 02 **Lab ID: 40268156021** Collected: 09/13/23 00:00 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<17.3**	ug/kg	56.9	17.3	1	09/21/23 11:07	09/22/23 03:29	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.3**	ug/kg	56.9	17.3	1	09/21/23 11:07	09/22/23 03:29	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.3**	ug/kg	56.9	17.3	1	09/21/23 11:07	09/22/23 03:29	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.3**	ug/kg	56.9	17.3	1	09/21/23 11:07	09/22/23 03:29	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.3**	ug/kg	56.9	17.3	1	09/21/23 11:07	09/22/23 03:29	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.3**	ug/kg	56.9	17.3	1	09/21/23 11:07	09/22/23 03:29	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.3**	ug/kg	56.9	17.3	1	09/21/23 11:07	09/22/23 03:29	11096-82-5	
PCB-1262 (Aroclor 1262)	**<17.3**	ug/kg	56.9	17.3	1	09/21/23 11:07	09/22/23 03:29	37324-23-5	
PCB-1268 (Aroclor 1268)	**<17.3**	ug/kg	56.9	17.3	1	09/21/23 11:07	09/22/23 03:29	11100-14-4	
PCB, Total	**<17.3**	ug/kg	56.9	17.3	1	09/21/23 11:07	09/22/23 03:29	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	44-120		1	09/21/23 11:07	09/22/23 03:29	877-09-8	
Decachlorobiphenyl (S)	75	%	34-120		1	09/21/23 11:07	09/22/23 03:29	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**12.2**	%	0.10	0.10	1		09/19/23 16:29		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR SCR 011L D/AW **Lab ID: 40268156022** Collected: 09/13/23 12:34 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<16.3**	ug/kg	53.5	16.3	1	09/21/23 11:07	09/22/23 03:51	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.3**	ug/kg	53.5	16.3	1	09/21/23 11:07	09/22/23 03:51	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.3**	ug/kg	53.5	16.3	1	09/21/23 11:07	09/22/23 03:51	11141-16-5	
PCB-1242 (Aroclor 1242)	**<16.3**	ug/kg	53.5	16.3	1	09/21/23 11:07	09/22/23 03:51	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.3**	ug/kg	53.5	16.3	1	09/21/23 11:07	09/22/23 03:51	12672-29-6	
PCB-1254 (Aroclor 1254)	**27.2J**	ug/kg	53.5	16.3	1	09/21/23 11:07	09/22/23 03:51	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.3**	ug/kg	53.5	16.3	1	09/21/23 11:07	09/22/23 03:51	11096-82-5	
PCB-1262 (Aroclor 1262)	**<16.3**	ug/kg	53.5	16.3	1	09/21/23 11:07	09/22/23 03:51	37324-23-5	
PCB-1268 (Aroclor 1268)	**<16.3**	ug/kg	53.5	16.3	1	09/21/23 11:07	09/22/23 03:51	11100-14-4	
PCB, Total	**27.2J**	ug/kg	53.5	16.3	1	09/21/23 11:07	09/22/23 03:51	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	83	%	44-120		1	09/21/23 11:07	09/22/23 03:51	877-09-8	
Decachlorobiphenyl (S)	76	%	34-120		1	09/21/23 11:07	09/22/23 03:51	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**6.7**	%	0.10	0.10	1		09/19/23 16:29		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR SCR 510R B/AW **Lab ID: 40268156023** Collected: 09/13/23 13:17 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<18.3**	ug/kg	60.1	18.3	1	09/21/23 11:07	09/22/23 04:12	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.3**	ug/kg	60.1	18.3	1	09/21/23 11:07	09/22/23 04:12	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.3**	ug/kg	60.1	18.3	1	09/21/23 11:07	09/22/23 04:12	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.3**	ug/kg	60.1	18.3	1	09/21/23 11:07	09/22/23 04:12	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.3**	ug/kg	60.1	18.3	1	09/21/23 11:07	09/22/23 04:12	12672-29-6	
PCB-1254 (Aroclor 1254)	**306**	ug/kg	60.1	18.3	1	09/21/23 11:07	09/22/23 04:12	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.3**	ug/kg	60.1	18.3	1	09/21/23 11:07	09/22/23 04:12	11096-82-5	
PCB-1262 (Aroclor 1262)	**<18.3**	ug/kg	60.1	18.3	1	09/21/23 11:07	09/22/23 04:12	37324-23-5	
PCB-1268 (Aroclor 1268)	**<18.3**	ug/kg	60.1	18.3	1	09/21/23 11:07	09/22/23 04:12	11100-14-4	
PCB, Total	**306**	ug/kg	60.1	18.3	1	09/21/23 11:07	09/22/23 04:12	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	44-120		1	09/21/23 11:07	09/22/23 04:12	877-09-8	
Decachlorobiphenyl (S)	70	%	34-120		1	09/21/23 11:07	09/22/23 04:12	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**16.8**	%	0.10	0.10	1		09/19/23 16:29		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR SCR REP 03 **Lab ID: 40268156024** Collected: 09/13/23 00:00 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<18.0**	ug/kg	59.0	18.0	1	09/21/23 11:07	09/22/23 04:33	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.0**	ug/kg	59.0	18.0	1	09/21/23 11:07	09/22/23 04:33	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.0**	ug/kg	59.0	18.0	1	09/21/23 11:07	09/22/23 04:33	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.0**	ug/kg	59.0	18.0	1	09/21/23 11:07	09/22/23 04:33	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.0**	ug/kg	59.0	18.0	1	09/21/23 11:07	09/22/23 04:33	12672-29-6	
PCB-1254 (Aroclor 1254)	**347**	ug/kg	59.0	18.0	1	09/21/23 11:07	09/22/23 04:33	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.0**	ug/kg	59.0	18.0	1	09/21/23 11:07	09/22/23 04:33	11096-82-5	
PCB-1262 (Aroclor 1262)	**<18.0**	ug/kg	59.0	18.0	1	09/21/23 11:07	09/22/23 04:33	37324-23-5	
PCB-1268 (Aroclor 1268)	**<18.0**	ug/kg	59.0	18.0	1	09/21/23 11:07	09/22/23 04:33	11100-14-4	
PCB, Total	**347**	ug/kg	59.0	18.0	1	09/21/23 11:07	09/22/23 04:33	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	44-120		1	09/21/23 11:07	09/22/23 04:33	877-09-8	
Decachlorobiphenyl (S)	75	%	34-120		1	09/21/23 11:07	09/22/23 04:33	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**15.6**	%	0.10	0.10	1		09/19/23 16:29		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR SCR DUP 03 **Lab ID: 40268156025** Collected: 09/13/23 00:00 Received: 09/15/23 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<17.8**	ug/kg	58.5	17.8	1	09/21/23 11:07	09/22/23 04:54	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.8**	ug/kg	58.5	17.8	1	09/21/23 11:07	09/22/23 04:54	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.8**	ug/kg	58.5	17.8	1	09/21/23 11:07	09/22/23 04:54	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.8**	ug/kg	58.5	17.8	1	09/21/23 11:07	09/22/23 04:54	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.8**	ug/kg	58.5	17.8	1	09/21/23 11:07	09/22/23 04:54	12672-29-6	
PCB-1254 (Aroclor 1254)	**674**	ug/kg	58.5	17.8	1	09/21/23 11:07	09/22/23 04:54	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.8**	ug/kg	58.5	17.8	1	09/21/23 11:07	09/22/23 04:54	11096-82-5	
PCB-1262 (Aroclor 1262)	**<17.8**	ug/kg	58.5	17.8	1	09/21/23 11:07	09/22/23 04:54	37324-23-5	
PCB-1268 (Aroclor 1268)	**<17.8**	ug/kg	58.5	17.8	1	09/21/23 11:07	09/22/23 04:54	11100-14-4	
PCB, Total	**674**	ug/kg	58.5	17.8	1	09/21/23 11:07	09/22/23 04:54	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	76	%	44-120		1	09/21/23 11:07	09/22/23 04:54	877-09-8	
Decachlorobiphenyl (S)	71	%	34-120		1	09/21/23 11:07	09/22/23 04:54	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.2**	%	0.10	0.10	1		09/19/23 16:29		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR SCR EB 02 **Lab ID: 40268156026** Collected: 09/13/23 00:00 Received: 09/15/23 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB Low Volume	Analytical Method: EPA 8082A Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:11	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:11	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:11	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:11	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:11	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:11	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:11	11096-82-5	
PCB-1262 (Aroclor 1262)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:11	37324-23-5	
PCB-1268 (Aroclor 1268)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:11	11100-14-4	
PCB, Total	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:11	1336-36-3	
Surrogates									
Decachlorobiphenyl (S)	42	%	10-132		1	09/18/23 10:22	09/19/23 14:11	2051-24-3	
Tetrachloro-m-xylene (S)	60	%	41-120		1	09/18/23 10:22	09/19/23 14:11	877-09-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HARP-320928
Pace Project No.: 40268156

Sample: MR IC EB 01 **Lab ID: 40268156027** Collected: 09/13/23 00:00 Received: 09/15/23 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB Low Volume	Analytical Method: EPA 8082A Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:33	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:33	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:33	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:33	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:33	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:33	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:33	11096-82-5	
PCB-1262 (Aroclor 1262)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:33	37324-23-5	
PCB-1268 (Aroclor 1268)	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:33	11100-14-4	
PCB, Total	**<0.11**	ug/L	0.50	0.11	1	09/18/23 10:22	09/19/23 14:33	1336-36-3	
Surrogates									
Decachlorobiphenyl (S)	34	%	10-132		1	09/18/23 10:22	09/19/23 14:33	2051-24-3	
Tetrachloro-m-xylene (S)	58	%	41-120		1	09/18/23 10:22	09/19/23 14:33	877-09-8	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: HARP-320928
Pace Project No.: 40268156

QC Batch: 455149
QC Batch Method: EPA 3541
Analysis Method: EPA 8082A
Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268156001, 40268156002, 40268156003, 40268156004, 40268156005, 40268156006, 40268156007, 40268156008, 40268156009, 40268156010, 40268156012, 40268156014

METHOD BLANK: 2613845 Matrix: Solid
Associated Lab Samples: 40268156001, 40268156002, 40268156003, 40268156004, 40268156005, 40268156006, 40268156007, 40268156008, 40268156009, 40268156010, 40268156012, 40268156014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	09/19/23 18:22	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	09/19/23 18:22	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	09/19/23 18:22	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	09/19/23 18:22	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	09/19/23 18:22	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	09/19/23 18:22	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	09/19/23 18:22	
PCB-1262 (Aroclor 1262)	ug/kg	<15.2	50.0	09/19/23 18:22	
PCB-1268 (Aroclor 1268)	ug/kg	<15.2	50.0	09/19/23 18:22	
Decachlorobiphenyl (S)	%	84	34-120	09/19/23 18:22	
Tetrachloro-m-xylene (S)	%	86	44-120	09/19/23 18:22	

LABORATORY CONTROL SAMPLE: 2613846

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<15.2			
PCB-1221 (Aroclor 1221)	ug/kg		<15.2			
PCB-1232 (Aroclor 1232)	ug/kg		<15.2			
PCB-1242 (Aroclor 1242)	ug/kg		<15.2			
PCB-1248 (Aroclor 1248)	ug/kg		<15.2			
PCB-1254 (Aroclor 1254)	ug/kg		<15.2			
PCB-1260 (Aroclor 1260)	ug/kg	500	425	85	69-120	
PCB-1262 (Aroclor 1262)	ug/kg		<15.2			
PCB-1268 (Aroclor 1268)	ug/kg		<15.2			
Decachlorobiphenyl (S)	%			77	34-120	
Tetrachloro-m-xylene (S)	%			81	44-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2613847 2613848

Parameter	Units	40268081001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<19.2			<19.2	<19.2					20	
PCB-1221 (Aroclor 1221)	ug/kg	<19.2			<19.2	<19.2					20	
PCB-1232 (Aroclor 1232)	ug/kg	<19.2			<19.2	<19.2					20	
PCB-1242 (Aroclor 1242)	ug/kg	<19.2			<19.2	<19.2					20	
PCB-1248 (Aroclor 1248)	ug/kg	<19.2			<19.2	<19.2					20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: HARP-320928
Pace Project No.: 40268156

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2613847 2613848

Parameter	Units	40268081001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1254 (Aroclor 1254)	ug/kg	<19.2			<19.2	<19.2					20	
PCB-1260 (Aroclor 1260)	ug/kg	<19.2	631	632	564	541	89	86	51-120	4	20	
PCB-1262 (Aroclor 1262)	ug/kg	<19.2			<19.2	<19.2					20	
PCB-1268 (Aroclor 1268)	ug/kg	<19.2			<19.2	<19.2					20	
Decachlorobiphenyl (S)	%						81	79	34-120			
Tetrachloro-m-xylene (S)	%						85	85	44-120			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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QUALITY CONTROL DATA

Project: HARP-320928
Pace Project No.: 40268156

QC Batch: 455430
QC Batch Method: EPA 3541
Analysis Method: EPA 8082A
Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268156015, 40268156017, 40268156018, 40268156019, 40268156020, 40268156021, 40268156022, 40268156023, 40268156024, 40268156025

METHOD BLANK: 2615156 Matrix: Solid
Associated Lab Samples: 40268156015, 40268156017, 40268156018, 40268156019, 40268156020, 40268156021, 40268156022, 40268156023, 40268156024, 40268156025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	09/21/23 22:11	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	09/21/23 22:11	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	09/21/23 22:11	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	09/21/23 22:11	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	09/21/23 22:11	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	09/21/23 22:11	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	09/21/23 22:11	
PCB-1262 (Aroclor 1262)	ug/kg	<15.2	50.0	09/21/23 22:11	
PCB-1268 (Aroclor 1268)	ug/kg	<15.2	50.0	09/21/23 22:11	
Decachlorobiphenyl (S)	%	81	34-120	09/21/23 22:11	
Tetrachloro-m-xylene (S)	%	87	44-120	09/21/23 22:11	

LABORATORY CONTROL SAMPLE: 2615157

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<15.2			
PCB-1221 (Aroclor 1221)	ug/kg		<15.2			
PCB-1232 (Aroclor 1232)	ug/kg		<15.2			
PCB-1242 (Aroclor 1242)	ug/kg		<15.2			
PCB-1248 (Aroclor 1248)	ug/kg		<15.2			
PCB-1254 (Aroclor 1254)	ug/kg		<15.2			
PCB-1260 (Aroclor 1260)	ug/kg	500	426	85	69-120	
PCB-1262 (Aroclor 1262)	ug/kg		<15.2			
PCB-1268 (Aroclor 1268)	ug/kg		<15.2			
Decachlorobiphenyl (S)	%			79	34-120	
Tetrachloro-m-xylene (S)	%			84	44-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2615158 2615159

Parameter	Units	40268245003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<0.018 mg/kg			<17.6	<17.7					20	
PCB-1221 (Aroclor 1221)	ug/kg	<0.018 mg/kg			<17.6	<17.7					20	
PCB-1232 (Aroclor 1232)	ug/kg	<0.018 mg/kg			<17.6	<17.7					20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: HARP-320928
Pace Project No.: 40268156

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2615158 2615159

Parameter	Units	40268245003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1242 (Aroclor 1242)	ug/kg	<0.018 mg/kg			<17.6	<17.7					20	
PCB-1248 (Aroclor 1248)	ug/kg	<0.018 mg/kg			<17.6	<17.7					20	
PCB-1254 (Aroclor 1254)	ug/kg	<0.018 mg/kg			<17.6	<17.7					20	
PCB-1260 (Aroclor 1260)	ug/kg	<0.018 mg/kg	579	580	476	473	82	82	51-120	1	20	
PCB-1262 (Aroclor 1262)	ug/kg	<17.7			<17.6	<17.7					20	
PCB-1268 (Aroclor 1268)	ug/kg	<17.7			<17.6	<17.7					20	
Decachlorobiphenyl (S)	%						77	75	34-120			
Tetrachloro-m-xylene (S)	%						85	81	44-120			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: HARP-320928
Pace Project No.: 40268156

QC Batch: 454998
QC Batch Method: EPA 3510
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB Low Volume
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268156026, 40268156027

METHOD BLANK: 2613415 Matrix: Water
Associated Lab Samples: 40268156026, 40268156027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1221 (Aroclor 1221)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1232 (Aroclor 1232)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1242 (Aroclor 1242)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1248 (Aroclor 1248)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1254 (Aroclor 1254)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1260 (Aroclor 1260)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1262 (Aroclor 1262)	ug/L	<0.11	0.50	09/19/23 11:21	
PCB-1268 (Aroclor 1268)	ug/L	<0.11	0.50	09/19/23 11:21	
Decachlorobiphenyl (S)	%	51	10-132	09/19/23 11:21	
Tetrachloro-m-xylene (S)	%	66	41-120	09/19/23 11:21	

LABORATORY CONTROL SAMPLE: 2613416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L		<0.11			
PCB-1221 (Aroclor 1221)	ug/L		<0.11			
PCB-1232 (Aroclor 1232)	ug/L		<0.11			
PCB-1242 (Aroclor 1242)	ug/L		<0.11			
PCB-1248 (Aroclor 1248)	ug/L		<0.11			
PCB-1254 (Aroclor 1254)	ug/L		<0.11			
PCB-1260 (Aroclor 1260)	ug/L	5	4.6	91	70-120	
PCB-1262 (Aroclor 1262)	ug/L		<0.11			
PCB-1268 (Aroclor 1268)	ug/L		<0.11			
Decachlorobiphenyl (S)	%			81	10-132	
Tetrachloro-m-xylene (S)	%			62	41-120	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: HARP-320928
Pace Project No.: 40268156

QC Batch: 455215
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268156001, 40268156002, 40268156003, 40268156004, 40268156005, 40268156006, 40268156007, 40268156008, 40268156009, 40268156010, 40268156012, 40268156014, 40268156015, 40268156017, 40268156018, 40268156019

SAMPLE DUPLICATE: 2614209

Parameter	Units	40268118001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.6	15.6	0	10	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: HARP-320928
Pace Project No.: 40268156

QC Batch: 455222
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268156020, 40268156021, 40268156022, 40268156023, 40268156024, 40268156025

SAMPLE DUPLICATE: 2614210

Parameter	Units	40268168008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.5	17.9	8	10	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: HARP-320928
Pace Project No.: 40268156

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.

DL - Adjusted Method Detection Limit.

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: 455064

[1] MS/MSD was shared with HBN:454982

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HARP-320928
Pace Project No.: 40268156

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40268156001	**MR OB 016L 0-6**	EPA 3541	455149	EPA 8082A	455152
40268156002	**MR OB DUP 01**	EPA 3541	455149	EPA 8082A	455152
40268156003	**MR SCR 512R A/AW**	EPA 3541	455149	EPA 8082A	455152
40268156004	**MR SCR 512R B/AW**	EPA 3541	455149	EPA 8082A	455152
40268156005	**MR SCR REP 02**	EPA 3541	455149	EPA 8082A	455152
40268156006	**MR SCR 512R C/AW**	EPA 3541	455149	EPA 8082A	455152
40268156007	**MR SCR 512R D/AW**	EPA 3541	455149	EPA 8082A	455152
40268156008	**MR SCR DUP 01**	EPA 3541	455149	EPA 8082A	455152
40268156009	**MR OB 524R 0-6**	EPA 3541	455149	EPA 8082A	455152
40268156010	**MR OB DUP 02**	EPA 3541	455149	EPA 8082A	455152
40268156012	**MR PBS 012L A/AW**	EPA 3541	455149	EPA 8082A	455152
40268156014	**MR PBS 511R A/UW**	EPA 3541	455149	EPA 8082A	455152
40268156015	**MR PBS REP 02**	EPA 3541	455430	EPA 8082A	455431
40268156017	**MR PBS 010L A/UW**	EPA 3541	455430	EPA 8082A	455431
40268156018	**MR SCR 011L A/AW**	EPA 3541	455430	EPA 8082A	455431
40268156019	**MR SCR 011L B/AW**	EPA 3541	455430	EPA 8082A	455431
40268156020	**MR SCR 011L C/AW**	EPA 3541	455430	EPA 8082A	455431
40268156021	**MR SCR DUP 02**	EPA 3541	455430	EPA 8082A	455431
40268156022	**MR SCR 011L D/AW**	EPA 3541	455430	EPA 8082A	455431
40268156023	**MR SCR 510R B/AW**	EPA 3541	455430	EPA 8082A	455431
40268156024	**MR SCR REP 03**	EPA 3541	455430	EPA 8082A	455431
40268156025	**MR SCR DUP 03**	EPA 3541	455430	EPA 8082A	455431
40268156026	**MR SCR EB 02**	EPA 3510	454998	EPA 8082A	455064
40268156027	**MR IC EB 01**	EPA 3510	454998	EPA 8082A	455064
40268156001	**MR OB 016L 0-6**	ASTM D2974-87	455215		
40268156002	**MR OB DUP 01**	ASTM D2974-87	455215		
40268156003	**MR SCR 512R A/AW**	ASTM D2974-87	455215		
40268156004	**MR SCR 512R B/AW**	ASTM D2974-87	455215		
40268156005	**MR SCR REP 02**	ASTM D2974-87	455215		
40268156006	**MR SCR 512R C/AW**	ASTM D2974-87	455215		
40268156007	**MR SCR 512R D/AW**	ASTM D2974-87	455215		
40268156008	**MR SCR DUP 01**	ASTM D2974-87	455215		
40268156009	**MR OB 524R 0-6**	ASTM D2974-87	455215		
40268156010	**MR OB DUP 02**	ASTM D2974-87	455215		
40268156012	**MR PBS 012L A/AW**	ASTM D2974-87	455215		
40268156014	**MR PBS 511R A/UW**	ASTM D2974-87	455215		
40268156015	**MR PBS REP 02**	ASTM D2974-87	455215		
40268156017	**MR PBS 010L A/UW**	ASTM D2974-87	455215		
40268156018	**MR SCR 011L A/AW**	ASTM D2974-87	455215		
40268156019	**MR SCR 011L B/AW**	ASTM D2974-87	455215		
40268156020	**MR SCR 011L C/AW**	ASTM D2974-87	455222		
40268156021	**MR SCR DUP 02**	ASTM D2974-87	455222		
40268156022	**MR SCR 011L D/AW**	ASTM D2974-87	455222		
40268156023	**MR SCR 510R B/AW**	ASTM D2974-87	455222		
40268156024	**MR SCR REP 03**	ASTM D2974-87	455222		
40268156025	**MR SCR DUP 03**	ASTM D2974-87	455222		

REPORT OF LABORATORY ANALYSIS

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 402608156

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same
Address: 230 West Monroe St Suite 1040 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address: HARP
Customer Project Name/Number: HARP-320928	State: WI County/City: Chilton Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: 312-909-0043 Email: charvey@trccompanies.com	Site/Facility ID #: BW
Collected By (print): Ben Wachholz	Purchase Order #: 200599 Quote #:
Collected By (signature): Ben Wachholz	Turnaround Date Required: standard
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [ ] Yes [ ] No

DW PWS ID #: DW Location Code:

Immediately Packed on Ice: [X] Yes [ ] No

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

Analysis: _____

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

Container Preservative Type **: U

** 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 Project Manager:

Analyses: PCBs

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PCBs	Lab Sample #
MR OB 016L 0-6	SL	G	9/13/23	11:15				1	X	001
MR OB DUP 01	SL	G	9/13/23	~~11:20~~	BW			1	X	002
MR SCR 512R A/AW	SL	G	9/13/23	11:20				1	X	003
MR SCR 512R B/AW	SL	G	9/13/23	11:23				1	X	004
MR SCR REP 02	SL	G	9/13/23	-				1	X	005
MR SCR 512R C/AW	SL	G	9/13/23	11:28				1	X	006
MR SCR 512R D/AW	SL	G	9/13/23	11:30				1	X	007
MR SCR DUP 01	SL	G	9/13/23	-				1	X	008
MR OB 524R 0-6	SL	G	9/13/23	12:20				1	X	009
MR OB DUP 02	SL	G	9/13/23	-				1	X	010

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: 1

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909230

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/15/23 9:30	Pace	9/15/23 1220
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Pace	9/15/23 1415	Pace	9/15/23 1415
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template: 0
Prelogin:
PM:
RB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 402681S6

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same as
Address: 230 West Monroe St. Suite 1840 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address:
Customer Project Name/Number: HARP-320928	State: WI / County/City: Chilton / Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: 312-909-0043 Email: charvey@trccompanies.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Ben Wachholz	Purchase Order #: 200599 Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature): Ben Wachholz	Turnaround Date Required: standard / Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Container Preservative Type **

Lab Project Manager:

** 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 _____

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PCB	Lab Sample # / Comments
MR PBS 012L B/AW	SL	G	9/13/23	20:40				1	X	HOLD 011
MR PBS 012L A/AW	SL	G	9/13/23	20:42				1	X	012
MR PBS 511R B/AW	SL	G	9/13/23	21:00				1	X	HOLD 013
MR PBS 511R A/AW	SL	G	9/13/23	21:01				1	X	014
MR PBS REP 02	SL	G	9/13/23					1	X	015
MR PBS 010L B/AW	SL	G	9/13/23	21:16				1	X	HOLD 016
MR PBS 010L A/AW	SL	G	9/13/23	21:17				1	X	017
								7 BW		

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: 1

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909233

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature) Ben Wachholz (TRC)	Date/Time: 9/15/23 9:30	Received by/Company: (Signature) Pace	Date/Time: 9/15/23 1220
Relinquished by/Company: (Signature) Pace	Date/Time: 9/15/23 1415	Received by/Company: (Signature)	Date/Time: 9/15/23 1415
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 402e81516

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same
Address: 230 West Monroe St. Suite 1040	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address: HARP
Customer Project Name/Number: HARP - 320928	State: WI County/City: Chilton Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: 312-909-0043 Email: charvey@trccompanies.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Ben Wachholz	Purchase Order #: 208599 Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): Ben Wachholz	Turnaround Date Required: Standard Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type **: U

** 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 Project Manager:

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature 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 Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PCBs	Lab Sample # / Comments
MR SCR 011L A/AW	SL	G	9/13/23	12:27				1	X	016
MR SCR 011L B/AW	SL	G	9/13/23	12:30				1	X	019
MR SCR 011L C/AW	SL	G	9/13/23	12:32				1	X	020
MR SCR DUP 02	SL	G	9/13/23	-				1	X	021
MR SCR 011L D/AW	SL	G	9/13/23	12:34				1	X	022
MR SCR 510R B/AW	SL	G	9/13/23	13:17				1	X	023
MR SCR REP 03	SL	G	9/13/23	-				1	X	024
MR SCR DUP 03	SL	G	9/13/23	-				1	X	025
MR SCR EB 02	W	G	9/13/23	-				2	X	026
MR IC ~~DREDGE~~ EB 01	W	G	9/13/23	-				2	X	027

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None (1)

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909231

Samples received via: FEDEX UPS Client Courier Pace Courier

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

	Date/Time:		Date/Time:
Relinquished by/Company: (Signature) Ben Wachholz (TRC)	9/15/23 9:30	Received by/Company: (Signature) Pace	9/15/23 1220
Relinquished by/Company: (Signature) Pace	9/15/23 1415	Received by/Company: (Signature) Pace	9/15/23 1415
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template: (1)
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

of:

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

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

40268156

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same as
Address: 230 West Monroe St. Suite 1840 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trcompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address: HARP
Customer Project Name/Number: HARP - 320928	State: WI County/City: Chilton Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: 312-909-0043 Email: charvey@trcompanies.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Maddie Harvey	Purchase Order #: 200599 Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Standard Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis: DOC

Container Preservative Type **: 1 2 2 4

Lab Project Manager:

** 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 _____

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PCB congeners	TOC	DOC	TSS	Lab Sample # / Comments
MR SW S11R	W	G	9/13/23	1810	—	—		5	X	X	X	X	028
MR SW S12R	W		9/13/23	1700	—	—		5	X	X	X	X	029
MR SW S13R	W		9/13/23	1600	—	—		5	X	X	X	X	030
MR SW 010L	W		9/13/23	1900	—	—		5	X	X	X	X	031
MR SW DUP01	W		9/13/23	—	—	—		5	X	X	X	X	032
MR SW EB01	W		9/13/23	1545	—	—		2	X				033
MR SW FB01	W		9/13/23	1930	—	—		2	X				034

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue (Dry) None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909232

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/15/23 9:30	Pace	9/15/23 1220
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Pace	9/15/23 1415		9/15/23 1415
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

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

402681576

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: Same
Address: 230 west Monroe St, Ste 1840 Chicago, IL 60606	
Report To: Chris Harvey	Email To: CHarvey@TRCcompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address: HARP
Customer Project Name/Number: HARP 320928 4/1202	State: WI County/City: Chilton Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: 312-909-6043 Email: CHarvey@TRCcompanies.com	Site/Facility ID #: 260599 (HARP) Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Tim W. Perkins	Purchase Order #: 200601 Quote #: 260599 (TRC) DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Standard Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [X] Yes [X] No Analysis: DSC

Container Preservative Type **: U 2 2 4

Lab Project Manager:

** 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 _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: PCB Congeners	TOC	DOC	TSS	Lab Profile/Line: Lab Sample # / Comments
NR-SW-BKG1R-20239	W	G	9/14/23	1320	–	–			X	X	X	X	035
NR-SW-BKG2C-20239				1850	–	–		5	X	X	X	X	036
NR-SW-OU1R-20239				1800	–	–		5	X	X	X	X	037
NR-SW-OU2R-20239				1700	–	–		5	X	X	X	X	038
NR-SW-OU3L-20239				1550	–	–		5	X	X	X	X	039
NR-SW-OU4L-20239				1420	–	–		5	X	X	X	X	040
NR-SW-DS1R-20239				1225	–	–		5	X	X	X	X	041
NR-SW-DS2C-20239				1110	–	–		5	X	X	X	X	042
NR-SW-DUP1-20239				–	–	–		5	X	X	X	X	043
NR-SW-EB-EB1-20239				1055	–	–		2	X				044

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: (1)

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909435

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: _____

Cooler 1 Temp Upon Receipt: _____oC

Cooler 1 Therm Corr. Factor: _____oC

Cooler 1 Corrected Temp: _____oC

Comments:

Relinquished by/Company: (Signature) Ben Wachholz (TRC)	Date/Time: 9/15/23 9:30	Received by/Company: (Signature) Pace	Date/Time: 9/15/23 1220
Relinquished by/Company: (Signature) Pace	Date/Time: 9/15/23 1415	Received by/Company: (Signature)	Date/Time: 9/15/23 1415
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:

Acctnum:

Template: (2)

Prelogin:

PM:

PB:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

of: _____

CHAIN-OF-CUSTODY Analytical Request Document

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Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

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

402681156

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: Same
Address: 230 West Monroe St, Ste 1810 Chicago, IL 60606	
Report To: Chris Harvey	Email To: CHarvey@TRCcompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address: HARP
Customer Project Name/Number: HARP - 320928 471202	State: UT County/City: Chilton Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: 512-969-6013 Email: CHarvey@TRCcompanies.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Tom Perks	Purchase Order #: 200601 Quote #: 200599 EP
Collected By (signature):	Turnaround Date Required: Standard
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Immediately Packed on Ice: [X] Yes [ ] No
	Field Filtered (if applicable): ~~[ ] Yes~~ [X] No Analysis: _____

Container Preservative Type **: U

Lab Project Manager:

** 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 _____

Analyses: PCB5

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PCB5	Lab Sample # / Comments
NR-SW-FB1-20239		G	9/14/23	1105	-	-		2	X	045

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: ~~Wet~~ Blue ~~Dry~~ None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909436

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/15/23 9:30	Pace	9/15/23 1220
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Pace	9/15/23 1415		9/15/23 1415
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Sample Preservation Receipt Form

Client Name: TRC Project # 402681S6

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

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

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm)*	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
001																																	2.5 / 5
002																																	2.5 / 5
003																																	2.5 / 5
004																																	2.5 / 5
005																																	2.5 / 5
006																																	2.5 / 5
007																																	2.5 / 5
008																																	2.5 / 5
009																																	2.5 / 5
010																																	2.5 / 5
011																																	2.5 / 5
012																																	2.5 / 5
013																																	2.5 / 5
014																																	2.5 / 5
015																																	2.5 / 5
016																																	2.5 / 5
017																																	2.5 / 5
018																																	2.5 / 5
019																																	2.5 / 5
020																																	2.5 / 5

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	VG9C	40 mL clear ascorbic w/ HCl
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI
BG3U	250 mL clear glass unpres				

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN 1	
GN 2	

Page 1 of 3

Sample Preservation Receipt Form

Client Name: TRC Project #: 402681561

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
021																																		2.5 / 5
022																																		2.5 / 5
023																																		2.5 / 5
024																																		2.5 / 5
025																																		2.5 / 5
026	2																																	2.5 / 5
027	2																																	2.5 / 5
028	2			2																														2.5 / 5
029	2			2																														2.5 / 5
030	2			2																														2.5 / 5
031	2			2																														2.5 / 5
032	2			2																														2.5 / 5
033	2																																	2.5 / 5
034	2																																	2.5 / 5
035	2			2																														2.5 / 5
036	2			2																														2.5 / 5
037	2			2																														2.5 / 5
038	2			2																														2.5 / 5
039	2			2																														2.5 / 5
040	2			2																														2.5 / 5
041	2			2																														2.5 / 5
042	2			2																														2.5 / 5
043	2			2																														2.5 / 5
044	2			~~2~~	9115883586																													2.5 / 5
045	2																																	2.5 / 5
046																																		2.5 / 5
047															9115883586																			2.5 / 5
048																																		2.5 / 5

Page 2 of 3

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40268156

40268156

Client Name: TRC

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

Tracking #: _____

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 - 109 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 1.0 /Corr: 1.0

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

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
Date: 9/15/23 Initials: SC

Labeled By Initials: MP

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
Correct Type: (Pace Green Bay) Pace IR, Non-Pace		
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC. -Includes date/time/ID/Analysis Matrix: W, SL	☑Yes (☒No) ☐N/A	12. 001 "11:10" 9/15/23 MP
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

Page 3 of 3

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

October 05, 2023

Chris Harvey
TRC Environmental
230 W. Monroe St
Suite 630
Chicago, IL 60606

RE: Project: 320928-HARP SOILS
Pace Project No.: 40268407

Dear Chris Harvey:

Enclosed are the analytical results for sample(s) received by the laboratory on September 21, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

Tod Noltemeyer

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

Enclosures

cc: Jessica Esser, TRC
Robert Hanley, TRC
Maddie Holicky, TRC
Peggy Popp, TRC - Madison
Ben Wachholz, TRC Madison

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

CERTIFICATIONS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40268407001	**NR-IC-EB1-202309**	Water	09/15/23 20:00	09/21/23 08:55
40268407002	**MR IC 529R 0-6**	Solid	09/18/23 10:15	09/21/23 08:55
40268407003	**MR IC 529R 0-6 DREDGE**	Solid	09/18/23 10:30	09/21/23 08:55
40268407004	**MR IC 528R 0-6**	Solid	09/18/23 10:45	09/21/23 08:55
40268407005	**MR IC 528R 6-18**	Solid	09/18/23 10:46	09/21/23 08:55
40268407006	**MR IC 528R 0-6 DREDGE**	Solid	09/18/23 10:50	09/21/23 08:55
40268407007	**MR IC 527R 0-6**	Solid	09/18/23 11:08	09/21/23 08:55
40268407008	**MR IC 527R 6-18**	Solid	09/18/23 11:11	09/21/23 08:55
40268407009	**MR IC 527R 0-6 DREDGE**	Solid	09/18/23 11:18	09/21/23 08:55
40268407010	**MR IC REP 01**	Solid	09/18/23 00:00	09/21/23 08:55
40268407011	**MR IC 526R 0-6 DREDGE**	Solid	09/18/23 11:30	09/21/23 08:55
40268407012	**MR IC 525R 0-6**	Solid	09/18/23 11:44	09/21/23 08:55
40268407013	**MR IC 525R 6-18**	Solid	09/18/23 11:46	09/21/23 08:55
40268407014	**MR IC 525R 0-6 DREDGE**	Solid	09/18/23 11:50	09/21/23 08:55
40268407015	**MR IC 024L 0-6**	Solid	09/18/23 12:05	09/21/23 08:55
40268407016	**MR IC 024L 6-18**	Solid	09/18/23 12:07	09/21/23 08:55
40268407017	**MR IC 024L 0-6 DREDGE**	Solid	09/18/23 12:11	09/21/23 08:55
40268407018	**MR IC 923C 0-6**	Solid	09/18/23 12:31	09/21/23 08:55
40268407019	**MR IC 923C 6-18**	Solid	09/18/23 12:32	09/21/23 08:55
40268407020	**MR IC 923C 0-6 DREDGE**	Solid	09/18/23 12:47	09/21/23 08:55
40268407021	**MR IC REP 02**	Solid	09/18/23 00:00	09/21/23 08:55
40268407022	**MR IC 522R 0-6**	Solid	09/18/23 13:04	09/21/23 08:55
40268407023	**MR IC 522R 6-18**	Solid	09/18/23 13:06	09/21/23 08:55
40268407024	**MR IC 522R 0-6 DREDGE**	Solid	09/18/23 13:12	09/21/23 08:55
40268407025	**MR IC DUP01 0-6 DREDGE**	Solid	09/18/23 00:00	09/21/23 08:55
40268407026	**MR IC 921C 0-6 DREDGE**	Solid	09/18/23 13:32	09/21/23 08:55
40268407027	**MR IC 520R 0-6**	Solid	09/18/23 14:12	09/21/23 08:55
40268407028	**MR IC 520R 6-18**	Solid	09/18/23 14:14	09/21/23 08:55
40268407029	**MR IC 520R 0-6 DREDGE**	Solid	09/18/23 14:17	09/21/23 08:55
40268407030	**MR IC 019L 0-6**	Solid	09/18/23 14:31	09/21/23 08:55
40268407031	**MR IC 019L 6-18**	Solid	09/18/23 14:35	09/21/23 08:55
40268407032	**MR IC REP 03**	Solid	09/18/23 00:00	09/21/23 08:55
40268407033	**MR IC 019L 0-6 DREDGE**	Solid	09/18/23 14:38	09/21/23 08:55
40268407034	**MR IC 518R 0-6**	Solid	09/18/23 15:00	09/21/23 08:55
40268407035	**MR IC 518R 0-6 DREDGE**	Solid	09/18/23 15:04	09/21/23 08:55
40268407036	**MR IC DUP02 0-6 DREDGE**	Solid	09/18/23 00:00	09/21/23 08:55
40268407037	**MR IC 017L 0-6**	Solid	09/18/23 15:20	09/21/23 08:55

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40268407038	**MR IC 017L 0-6 DREDGE**	Solid	09/18/23 15:25	09/21/23 08:55
40268407039	**MR IC 016L 0-6**	Solid	09/18/23 15:39	09/21/23 08:55
40268407040	**MR IC 016L 0-6 DREDGE**	Solid	09/18/23 15:45	09/21/23 08:55
40268407041	**MR IC 015L 0-6**	Solid	09/18/23 15:52	09/21/23 08:55
40268407042	**MR IC 015L 0-6 DREDGE**	Solid	09/18/23 15:58	09/21/23 08:55
40268407043	**MR IC 514R 0-6**	Solid	09/18/23 16:14	09/21/23 08:55
40268407044	**MR IC 514R 0-6 DREDGE**	Solid	09/18/23 16:18	09/21/23 08:55
40268407045	**MR IC 013L 0-6 DREDGE**	Solid	09/18/23 16:26	09/21/23 08:55
40268407046	**MR IC REP 04**	Solid	09/18/23 00:00	09/21/23 08:55
40268407047	**MR IC 012L 0-6**	Solid	09/18/23 16:39	09/21/23 08:55
40268407048	**MR IC 012L 0-6 DREDGE**	Solid	09/18/23 16:41	09/21/23 08:55
40268407049	**MR IC 511R 0-6**	Solid	09/18/23 16:51	09/21/23 08:55
40268407050	**MR IC 511R 0-6 DREDGE**	Solid	09/18/23 16:57	09/21/23 08:55
40268407051	**MR IC REP 05**	Solid	09/18/23 00:00	09/21/23 08:55
40268407052	**MR IC GSA 01**	Solid	09/18/23 17:41	09/21/23 08:55
40268407053	**MR IC GSA 02**	Solid	09/18/23 17:49	09/21/23 08:55
40268407054	**MR IC GSA 03**	Solid	09/18/23 17:57	09/21/23 08:55
40268407055	**MR IC GSA 04**	Solid	09/18/23 18:04	09/21/23 08:55

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SAMPLE ANALYTE COUNT

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40268407001	**NR-IC-EB1-202309**	EPA 8082A	BLM	12
40268407003	**MR IC 529R 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
		Lloyd Kahn	TJJ	1
40268407005	**MR IC 528R 6-18**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407006	**MR IC 528R 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407008	**MR IC 527R 6-18**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407009	**MR IC 527R 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407010	**MR IC REP 01**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407011	**MR IC 526R 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407013	**MR IC 525R 6-18**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407014	**MR IC 525R 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407016	**MR IC 024L 6-18**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407017	**MR IC 024L 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407019	**MR IC 923C 6-18**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407020	**MR IC 923C 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407021	**MR IC REP 02**	EPA 8082A	BLM	12
		ASTM D2974-87	SRG	1
40268407023	**MR IC 522R 6-18**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
		Lloyd Kahn	TJJ	1
40268407024	**MR IC 522R 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407025	**MR IC DUP01 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40268407026	**MR IC 921C 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407028	**MR IC 520R 6-18**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407029	**MR IC 520R 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407031	**MR IC 019L 6-18**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
		Lloyd Kahn	TJJ	1
40268407032	**MR IC REP 03**	EPA 8082A	BLM	12
		ASTM D2974-87	NMK	1
40268407033	**MR IC 019L 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	MJV	1
40268407035	**MR IC 518R 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	MJV	1
40268407036	**MR IC DUP02 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	MJV	1
40268407038	**MR IC 017L 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	MJV	1
40268407040	**MR IC 016L 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	MJV	1
40268407042	**MR IC 015L 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	MJV	1
40268407044	**MR IC 514R 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	MJV	1
		Lloyd Kahn	TJJ	1
40268407045	**MR IC 013L 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	MJV	1
40268407046	**MR IC REP 04**	EPA 8082A	BLM	12
		ASTM D2974-87	MJV	1
40268407048	**MR IC 012L 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	MJV	1
40268407050	**MR IC 511R 0-6 DREDGE**	EPA 8082A	BLM	12
		ASTM D2974-87	MJV	1
		Lloyd Kahn	TJJ	1
40268407051	**MR IC REP 05**	EPA 8082A	BLM	12
		ASTM D2974-87	MJV	1

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SAMPLE ANALYTE COUNT

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40268407052	**MR IC GSA 01**	ASTM D6913	AXW	14
40268407053	**MR IC GSA 02**	ASTM D6913	AXW	14
40268407054	**MR IC GSA 03**	ASTM D6913	AXW	14
40268407055	**MR IC GSA 04**	ASTM D6913	AXW	14

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PROJECT NARRATIVE

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Method: **EPA 8082A**
Description: 8082A GCS PCB
Client: TRC - MADISON
Date: October 05, 2023

General Information:
34 samples were analyzed for EPA 8082A by Pace Analytical Services Green Bay. 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 3541 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.

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

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PROJECT NARRATIVE

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Method: **EPA 8082A**
Description: 8082A GCS PCB Low Volume
Client: TRC - MADISON
Date: October 05, 2023

General Information:
1 sample was analyzed for EPA 8082A by Pace Analytical Services Green Bay. 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 3510 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.

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

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PROJECT NARRATIVE

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Method: **ASTM D6913**
Description: ASTM D6913 Grain Size
Client: TRC - MADISON
Date: October 05, 2023

General Information:
4 samples were analyzed for ASTM D6913 by Pace Analytical Services Green Bay. 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.

Additional Comments:

Batch Comments:

coarse sieved 10/4/23; assisted by ALH
- QC Batch: 456051

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PROJECT NARRATIVE

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Method: **Lloyd Kahn**
Description: TOC via Lloyd Kahn
Client: TRC - MADISON
Date: October 05, 2023

General Information:
5 samples were analyzed for Lloyd Kahn by Pace Analytical Services Green Bay. 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.

QC Batch: 456147

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40268405004,40268405008

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 2619480)
  - Total Organic Carbon

Additional Comments:

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

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: NR-IC-EB1-202309 **Lab ID: 40268407001** Collected: 09/15/23 20:00 Received: 09/21/23 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB Low Volume	Analytical Method: EPA 8082A Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<0.11**	ug/L	0.50	0.11	1	09/28/23 15:16	09/29/23 08:17	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.11**	ug/L	0.50	0.11	1	09/28/23 15:16	09/29/23 08:17	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.11**	ug/L	0.50	0.11	1	09/28/23 15:16	09/29/23 08:17	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.11**	ug/L	0.50	0.11	1	09/28/23 15:16	09/29/23 08:17	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.11**	ug/L	0.50	0.11	1	09/28/23 15:16	09/29/23 08:17	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.11**	ug/L	0.50	0.11	1	09/28/23 15:16	09/29/23 08:17	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.11**	ug/L	0.50	0.11	1	09/28/23 15:16	09/29/23 08:17	11096-82-5	
PCB-1262 (Aroclor 1262)	**<0.11**	ug/L	0.50	0.11	1	09/28/23 15:16	09/29/23 08:17	37324-23-5	
PCB-1268 (Aroclor 1268)	**<0.11**	ug/L	0.50	0.11	1	09/28/23 15:16	09/29/23 08:17	11100-14-4	
PCB, Total	**<0.11**	ug/L	0.50	0.11	1	09/28/23 15:16	09/29/23 08:17	1336-36-3	
Surrogates									
Decachlorobiphenyl (S)	32	%	10-132		1	09/28/23 15:16	09/29/23 08:17	2051-24-3	
Tetrachloro-m-xylene (S)	67	%	41-120		1	09/28/23 15:16	09/29/23 08:17	877-09-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 529R 0-6 DREDGE **Lab ID: 40268407003** Collected: 09/18/23 10:30 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<30.3**	ug/kg	99.5	30.3	1	09/26/23 12:45	09/27/23 12:57	12674-11-2	
PCB-1221 (Aroclor 1221)	**<30.3**	ug/kg	99.5	30.3	1	09/26/23 12:45	09/27/23 12:57	11104-28-2	
PCB-1232 (Aroclor 1232)	**<30.3**	ug/kg	99.5	30.3	1	09/26/23 12:45	09/27/23 12:57	11141-16-5	
PCB-1242 (Aroclor 1242)	**<30.3**	ug/kg	99.5	30.3	1	09/26/23 12:45	09/27/23 12:57	53469-21-9	
PCB-1248 (Aroclor 1248)	**<30.3**	ug/kg	99.5	30.3	1	09/26/23 12:45	09/27/23 12:57	12672-29-6	
PCB-1254 (Aroclor 1254)	**189**	ug/kg	99.5	30.3	1	09/26/23 12:45	09/27/23 12:57	11097-69-1	
PCB-1260 (Aroclor 1260)	**<30.3**	ug/kg	99.5	30.3	1	09/26/23 12:45	09/27/23 12:57	11096-82-5	
PCB-1262 (Aroclor 1262)	**<30.3**	ug/kg	99.5	30.3	1	09/26/23 12:45	09/27/23 12:57	37324-23-5	
PCB-1268 (Aroclor 1268)	**<30.3**	ug/kg	99.5	30.3	1	09/26/23 12:45	09/27/23 12:57	11100-14-4	
PCB, Total	**189**	ug/kg	99.5	30.3	1	09/26/23 12:45	09/27/23 12:57	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	85	%	44-120		1	09/26/23 12:45	09/27/23 12:57	877-09-8	
Decachlorobiphenyl (S)	69	%	34-120		1	09/26/23 12:45	09/27/23 12:57	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**49.7**	%	0.10	0.10	1		09/26/23 16:57		
TOC via Lloyd Kahn	Analytical Method: Lloyd Kahn Pace Analytical Services - Green Bay								
Total Organic Carbon	**37800**	mg/kg	2110	1070	1		09/29/23 06:43	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 528R 6-18 **Lab ID: 40268407005** Collected: 09/18/23 10:46 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<23.5**	ug/kg	77.3	23.5	1	09/26/23 12:45	09/27/23 13:44	12674-11-2	
PCB-1221 (Aroclor 1221)	**<23.5**	ug/kg	77.3	23.5	1	09/26/23 12:45	09/27/23 13:44	11104-28-2	
PCB-1232 (Aroclor 1232)	**<23.5**	ug/kg	77.3	23.5	1	09/26/23 12:45	09/27/23 13:44	11141-16-5	
PCB-1242 (Aroclor 1242)	**<23.5**	ug/kg	77.3	23.5	1	09/26/23 12:45	09/27/23 13:44	53469-21-9	
PCB-1248 (Aroclor 1248)	**<23.5**	ug/kg	77.3	23.5	1	09/26/23 12:45	09/27/23 13:44	12672-29-6	
PCB-1254 (Aroclor 1254)	**114**	ug/kg	77.3	23.5	1	09/26/23 12:45	09/27/23 13:44	11097-69-1	
PCB-1260 (Aroclor 1260)	**<23.5**	ug/kg	77.3	23.5	1	09/26/23 12:45	09/27/23 13:44	11096-82-5	
PCB-1262 (Aroclor 1262)	**<23.5**	ug/kg	77.3	23.5	1	09/26/23 12:45	09/27/23 13:44	37324-23-5	
PCB-1268 (Aroclor 1268)	**<23.5**	ug/kg	77.3	23.5	1	09/26/23 12:45	09/27/23 13:44	11100-14-4	
PCB, Total	**114**	ug/kg	77.3	23.5	1	09/26/23 12:45	09/27/23 13:44	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	78	%	44-120		1	09/26/23 12:45	09/27/23 13:44	877-09-8	
Decachlorobiphenyl (S)	64	%	34-120		1	09/26/23 12:45	09/27/23 13:44	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**35.2**	%	0.10	0.10	1		09/26/23 16:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 528R 0-6 DREDGE **Lab ID: 40268407006** Collected: 09/18/23 10:50 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<21.0**	ug/kg	68.9	21.0	1	09/26/23 12:45	09/27/23 14:08	12674-11-2	
PCB-1221 (Aroclor 1221)	**<21.0**	ug/kg	68.9	21.0	1	09/26/23 12:45	09/27/23 14:08	11104-28-2	
PCB-1232 (Aroclor 1232)	**<21.0**	ug/kg	68.9	21.0	1	09/26/23 12:45	09/27/23 14:08	11141-16-5	
PCB-1242 (Aroclor 1242)	**<21.0**	ug/kg	68.9	21.0	1	09/26/23 12:45	09/27/23 14:08	53469-21-9	
PCB-1248 (Aroclor 1248)	**<21.0**	ug/kg	68.9	21.0	1	09/26/23 12:45	09/27/23 14:08	12672-29-6	
PCB-1254 (Aroclor 1254)	**79.0**	ug/kg	68.9	21.0	1	09/26/23 12:45	09/27/23 14:08	11097-69-1	
PCB-1260 (Aroclor 1260)	**<21.0**	ug/kg	68.9	21.0	1	09/26/23 12:45	09/27/23 14:08	11096-82-5	
PCB-1262 (Aroclor 1262)	**<21.0**	ug/kg	68.9	21.0	1	09/26/23 12:45	09/27/23 14:08	37324-23-5	
PCB-1268 (Aroclor 1268)	**<21.0**	ug/kg	68.9	21.0	1	09/26/23 12:45	09/27/23 14:08	11100-14-4	
PCB, Total	**79.0**	ug/kg	68.9	21.0	1	09/26/23 12:45	09/27/23 14:08	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	44-120		1	09/26/23 12:45	09/27/23 14:08	877-09-8	
Decachlorobiphenyl (S)	68	%	34-120		1	09/26/23 12:45	09/27/23 14:08	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**27.4**	%	0.10	0.10	1		09/26/23 16:57		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 527R 6-18 **Lab ID: 40268407008** Collected: 09/18/23 11:11 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<24.5**	ug/kg	80.6	24.5	1	09/26/23 12:45	09/27/23 14:55	12674-11-2	
PCB-1221 (Aroclor 1221)	**<24.5**	ug/kg	80.6	24.5	1	09/26/23 12:45	09/27/23 14:55	11104-28-2	
PCB-1232 (Aroclor 1232)	**<24.5**	ug/kg	80.6	24.5	1	09/26/23 12:45	09/27/23 14:55	11141-16-5	
PCB-1242 (Aroclor 1242)	**<24.5**	ug/kg	80.6	24.5	1	09/26/23 12:45	09/27/23 14:55	53469-21-9	
PCB-1248 (Aroclor 1248)	**<24.5**	ug/kg	80.6	24.5	1	09/26/23 12:45	09/27/23 14:55	12672-29-6	
PCB-1254 (Aroclor 1254)	**<24.5**	ug/kg	80.6	24.5	1	09/26/23 12:45	09/27/23 14:55	11097-69-1	
PCB-1260 (Aroclor 1260)	**<24.5**	ug/kg	80.6	24.5	1	09/26/23 12:45	09/27/23 14:55	11096-82-5	
PCB-1262 (Aroclor 1262)	**<24.5**	ug/kg	80.6	24.5	1	09/26/23 12:45	09/27/23 14:55	37324-23-5	
PCB-1268 (Aroclor 1268)	**<24.5**	ug/kg	80.6	24.5	1	09/26/23 12:45	09/27/23 14:55	11100-14-4	
PCB, Total	**<24.5**	ug/kg	80.6	24.5	1	09/26/23 12:45	09/27/23 14:55	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	44-120		1	09/26/23 12:45	09/27/23 14:55	877-09-8	
Decachlorobiphenyl (S)	68	%	34-120		1	09/26/23 12:45	09/27/23 14:55	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**38.0**	%	0.10	0.10	1		09/26/23 16:57		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 527R 0-6 DREDGE **Lab ID: 40268407009** Collected: 09/18/23 11:18 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<20.2**	ug/kg	66.5	20.2	1	09/26/23 12:45	09/27/23 15:18	12674-11-2	
PCB-1221 (Aroclor 1221)	**<20.2**	ug/kg	66.5	20.2	1	09/26/23 12:45	09/27/23 15:18	11104-28-2	
PCB-1232 (Aroclor 1232)	**<20.2**	ug/kg	66.5	20.2	1	09/26/23 12:45	09/27/23 15:18	11141-16-5	
PCB-1242 (Aroclor 1242)	**<20.2**	ug/kg	66.5	20.2	1	09/26/23 12:45	09/27/23 15:18	53469-21-9	
PCB-1248 (Aroclor 1248)	**<20.2**	ug/kg	66.5	20.2	1	09/26/23 12:45	09/27/23 15:18	12672-29-6	
PCB-1254 (Aroclor 1254)	**62.9J**	ug/kg	66.5	20.2	1	09/26/23 12:45	09/27/23 15:18	11097-69-1	
PCB-1260 (Aroclor 1260)	**<20.2**	ug/kg	66.5	20.2	1	09/26/23 12:45	09/27/23 15:18	11096-82-5	
PCB-1262 (Aroclor 1262)	**<20.2**	ug/kg	66.5	20.2	1	09/26/23 12:45	09/27/23 15:18	37324-23-5	
PCB-1268 (Aroclor 1268)	**<20.2**	ug/kg	66.5	20.2	1	09/26/23 12:45	09/27/23 15:18	11100-14-4	
PCB, Total	**62.9J**	ug/kg	66.5	20.2	1	09/26/23 12:45	09/27/23 15:18	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	94	%	44-120		1	09/26/23 12:45	09/27/23 15:18	877-09-8	
Decachlorobiphenyl (S)	79	%	34-120		1	09/26/23 12:45	09/27/23 15:18	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**24.9**	%	0.10	0.10	1		09/26/23 16:58		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC REP 01 **Lab ID: 40268407010** Collected: 09/18/23 00:00 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<20.8**	ug/kg	68.4	20.8	1	09/26/23 12:45	09/27/23 15:43	12674-11-2	
PCB-1221 (Aroclor 1221)	**<20.8**	ug/kg	68.4	20.8	1	09/26/23 12:45	09/27/23 15:43	11104-28-2	
PCB-1232 (Aroclor 1232)	**<20.8**	ug/kg	68.4	20.8	1	09/26/23 12:45	09/27/23 15:43	11141-16-5	
PCB-1242 (Aroclor 1242)	**<20.8**	ug/kg	68.4	20.8	1	09/26/23 12:45	09/27/23 15:43	53469-21-9	
PCB-1248 (Aroclor 1248)	**<20.8**	ug/kg	68.4	20.8	1	09/26/23 12:45	09/27/23 15:43	12672-29-6	
PCB-1254 (Aroclor 1254)	**68.2J**	ug/kg	68.4	20.8	1	09/26/23 12:45	09/27/23 15:43	11097-69-1	
PCB-1260 (Aroclor 1260)	**<20.8**	ug/kg	68.4	20.8	1	09/26/23 12:45	09/27/23 15:43	11096-82-5	
PCB-1262 (Aroclor 1262)	**<20.8**	ug/kg	68.4	20.8	1	09/26/23 12:45	09/27/23 15:43	37324-23-5	
PCB-1268 (Aroclor 1268)	**<20.8**	ug/kg	68.4	20.8	1	09/26/23 12:45	09/27/23 15:43	11100-14-4	
PCB, Total	**68.2J**	ug/kg	68.4	20.8	1	09/26/23 12:45	09/27/23 15:43	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	104	%	44-120		1	09/26/23 12:45	09/27/23 15:43	877-09-8	
Decachlorobiphenyl (S)	85	%	34-120		1	09/26/23 12:45	09/27/23 15:43	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**27.0**	%	0.10	0.10	1		09/26/23 16:58		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 526R 0-6 DREDGE **Lab ID: 40268407011** Collected: 09/18/23 11:30 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<27.1**	ug/kg	88.9	27.1	1	09/26/23 12:45	09/27/23 16:06	12674-11-2	
PCB-1221 (Aroclor 1221)	**<27.1**	ug/kg	88.9	27.1	1	09/26/23 12:45	09/27/23 16:06	11104-28-2	
PCB-1232 (Aroclor 1232)	**<27.1**	ug/kg	88.9	27.1	1	09/26/23 12:45	09/27/23 16:06	11141-16-5	
PCB-1242 (Aroclor 1242)	**<27.1**	ug/kg	88.9	27.1	1	09/26/23 12:45	09/27/23 16:06	53469-21-9	
PCB-1248 (Aroclor 1248)	**<27.1**	ug/kg	88.9	27.1	1	09/26/23 12:45	09/27/23 16:06	12672-29-6	
PCB-1254 (Aroclor 1254)	**622**	ug/kg	88.9	27.1	1	09/26/23 12:45	09/27/23 16:06	11097-69-1	
PCB-1260 (Aroclor 1260)	**<27.1**	ug/kg	88.9	27.1	1	09/26/23 12:45	09/27/23 16:06	11096-82-5	
PCB-1262 (Aroclor 1262)	**<27.1**	ug/kg	88.9	27.1	1	09/26/23 12:45	09/27/23 16:06	37324-23-5	
PCB-1268 (Aroclor 1268)	**<27.1**	ug/kg	88.9	27.1	1	09/26/23 12:45	09/27/23 16:06	11100-14-4	
PCB, Total	**622**	ug/kg	88.9	27.1	1	09/26/23 12:45	09/27/23 16:06	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	94	%	44-120		1	09/26/23 12:45	09/27/23 16:06	877-09-8	
Decachlorobiphenyl (S)	76	%	34-120		1	09/26/23 12:45	09/27/23 16:06	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**43.7**	%	0.10	0.10	1		09/26/23 16:58		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 525R 6-18 **Lab ID: 40268407013** Collected: 09/18/23 11:46 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<20.1**	ug/kg	66.0	20.1	1	09/27/23 12:20	09/27/23 15:56	12674-11-2	
PCB-1221 (Aroclor 1221)	**<20.1**	ug/kg	66.0	20.1	1	09/27/23 12:20	09/27/23 15:56	11104-28-2	
PCB-1232 (Aroclor 1232)	**<20.1**	ug/kg	66.0	20.1	1	09/27/23 12:20	09/27/23 15:56	11141-16-5	
PCB-1242 (Aroclor 1242)	**<20.1**	ug/kg	66.0	20.1	1	09/27/23 12:20	09/27/23 15:56	53469-21-9	
PCB-1248 (Aroclor 1248)	**<20.1**	ug/kg	66.0	20.1	1	09/27/23 12:20	09/27/23 15:56	12672-29-6	
PCB-1254 (Aroclor 1254)	**<20.1**	ug/kg	66.0	20.1	1	09/27/23 12:20	09/27/23 15:56	11097-69-1	
PCB-1260 (Aroclor 1260)	**<20.1**	ug/kg	66.0	20.1	1	09/27/23 12:20	09/27/23 15:56	11096-82-5	
PCB-1262 (Aroclor 1262)	**<20.1**	ug/kg	66.0	20.1	1	09/27/23 12:20	09/27/23 15:56	37324-23-5	
PCB-1268 (Aroclor 1268)	**<20.1**	ug/kg	66.0	20.1	1	09/27/23 12:20	09/27/23 15:56	11100-14-4	
PCB, Total	**<20.1**	ug/kg	66.0	20.1	1	09/27/23 12:20	09/27/23 15:56	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	44-120		1	09/27/23 12:20	09/27/23 15:56	877-09-8	
Decachlorobiphenyl (S)	78	%	34-120		1	09/27/23 12:20	09/27/23 15:56	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**24.4**	%	0.10	0.10	1		09/26/23 16:58		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 525R 0-6 DREDGE **Lab ID: 40268407014** Collected: 09/18/23 11:50 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<22.7**	ug/kg	74.7	22.7	1	09/27/23 12:20	09/27/23 16:17	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.7**	ug/kg	74.7	22.7	1	09/27/23 12:20	09/27/23 16:17	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.7**	ug/kg	74.7	22.7	1	09/27/23 12:20	09/27/23 16:17	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.7**	ug/kg	74.7	22.7	1	09/27/23 12:20	09/27/23 16:17	53469-21-9	
PCB-1248 (Aroclor 1248)	**<22.7**	ug/kg	74.7	22.7	1	09/27/23 12:20	09/27/23 16:17	12672-29-6	
PCB-1254 (Aroclor 1254)	**145**	ug/kg	74.7	22.7	1	09/27/23 12:20	09/27/23 16:17	11097-69-1	
PCB-1260 (Aroclor 1260)	**<22.7**	ug/kg	74.7	22.7	1	09/27/23 12:20	09/27/23 16:17	11096-82-5	
PCB-1262 (Aroclor 1262)	**<22.7**	ug/kg	74.7	22.7	1	09/27/23 12:20	09/27/23 16:17	37324-23-5	
PCB-1268 (Aroclor 1268)	**<22.7**	ug/kg	74.7	22.7	1	09/27/23 12:20	09/27/23 16:17	11100-14-4	
PCB, Total	**145**	ug/kg	74.7	22.7	1	09/27/23 12:20	09/27/23 16:17	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	77	%	44-120		1	09/27/23 12:20	09/27/23 16:17	877-09-8	
Decachlorobiphenyl (S)	75	%	34-120		1	09/27/23 12:20	09/27/23 16:17	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**33.2**	%	0.10	0.10	1		09/26/23 16:58		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 024L 6-18 **Lab ID: 40268407016** Collected: 09/18/23 12:07 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<21.4**	ug/kg	70.4	21.4	1	09/27/23 12:20	09/27/23 17:43	12674-11-2	
PCB-1221 (Aroclor 1221)	**<21.4**	ug/kg	70.4	21.4	1	09/27/23 12:20	09/27/23 17:43	11104-28-2	
PCB-1232 (Aroclor 1232)	**<21.4**	ug/kg	70.4	21.4	1	09/27/23 12:20	09/27/23 17:43	11141-16-5	
PCB-1242 (Aroclor 1242)	**<21.4**	ug/kg	70.4	21.4	1	09/27/23 12:20	09/27/23 17:43	53469-21-9	
PCB-1248 (Aroclor 1248)	**<21.4**	ug/kg	70.4	21.4	1	09/27/23 12:20	09/27/23 17:43	12672-29-6	
PCB-1254 (Aroclor 1254)	**197**	ug/kg	70.4	21.4	1	09/27/23 12:20	09/27/23 17:43	11097-69-1	
PCB-1260 (Aroclor 1260)	**<21.4**	ug/kg	70.4	21.4	1	09/27/23 12:20	09/27/23 17:43	11096-82-5	
PCB-1262 (Aroclor 1262)	**<21.4**	ug/kg	70.4	21.4	1	09/27/23 12:20	09/27/23 17:43	37324-23-5	
PCB-1268 (Aroclor 1268)	**<21.4**	ug/kg	70.4	21.4	1	09/27/23 12:20	09/27/23 17:43	11100-14-4	
PCB, Total	**197**	ug/kg	70.4	21.4	1	09/27/23 12:20	09/27/23 17:43	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	44-120		1	09/27/23 12:20	09/27/23 17:43	877-09-8	
Decachlorobiphenyl (S)	77	%	34-120		1	09/27/23 12:20	09/27/23 17:43	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**28.9**	%	0.10	0.10	1		09/26/23 16:58		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 024L 0-6 DREDGE **Lab ID: 40268407017** Collected: 09/18/23 12:11 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<22.5**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 18:04	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.5**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 18:04	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.5**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 18:04	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.5**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 18:04	53469-21-9	
PCB-1248 (Aroclor 1248)	**<22.5**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 18:04	12672-29-6	
PCB-1254 (Aroclor 1254)	**146**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 18:04	11097-69-1	
PCB-1260 (Aroclor 1260)	**<22.5**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 18:04	11096-82-5	
PCB-1262 (Aroclor 1262)	**<22.5**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 18:04	37324-23-5	
PCB-1268 (Aroclor 1268)	**<22.5**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 18:04	11100-14-4	
PCB, Total	**146**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 18:04	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	77	%	44-120		1	09/27/23 12:20	09/27/23 18:04	877-09-8	
Decachlorobiphenyl (S)	75	%	34-120		1	09/27/23 12:20	09/27/23 18:04	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**32.6**	%	0.10	0.10	1		09/26/23 16:58		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 923C 6-18 **Lab ID: 40268407019** Collected: 09/18/23 12:32 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<23.4**	ug/kg	76.8	23.4	1	09/27/23 12:20	09/27/23 18:46	12674-11-2	
PCB-1221 (Aroclor 1221)	**<23.4**	ug/kg	76.8	23.4	1	09/27/23 12:20	09/27/23 18:46	11104-28-2	
PCB-1232 (Aroclor 1232)	**<23.4**	ug/kg	76.8	23.4	1	09/27/23 12:20	09/27/23 18:46	11141-16-5	
PCB-1242 (Aroclor 1242)	**<23.4**	ug/kg	76.8	23.4	1	09/27/23 12:20	09/27/23 18:46	53469-21-9	
PCB-1248 (Aroclor 1248)	**<23.4**	ug/kg	76.8	23.4	1	09/27/23 12:20	09/27/23 18:46	12672-29-6	
PCB-1254 (Aroclor 1254)	**163**	ug/kg	76.8	23.4	1	09/27/23 12:20	09/27/23 18:46	11097-69-1	
PCB-1260 (Aroclor 1260)	**<23.4**	ug/kg	76.8	23.4	1	09/27/23 12:20	09/27/23 18:46	11096-82-5	
PCB-1262 (Aroclor 1262)	**<23.4**	ug/kg	76.8	23.4	1	09/27/23 12:20	09/27/23 18:46	37324-23-5	
PCB-1268 (Aroclor 1268)	**<23.4**	ug/kg	76.8	23.4	1	09/27/23 12:20	09/27/23 18:46	11100-14-4	
PCB, Total	**163**	ug/kg	76.8	23.4	1	09/27/23 12:20	09/27/23 18:46	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	44-120		1	09/27/23 12:20	09/27/23 18:46	877-09-8	
Decachlorobiphenyl (S)	76	%	34-120		1	09/27/23 12:20	09/27/23 18:46	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**35.1**	%	0.10	0.10	1		09/26/23 16:58		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 923C 0-6 DREDGE **Lab ID: 40268407020** Collected: 09/18/23 12:47 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<26.5**	ug/kg	87.1	26.5	1	09/27/23 12:20	09/27/23 19:50	12674-11-2	
PCB-1221 (Aroclor 1221)	**<26.5**	ug/kg	87.1	26.5	1	09/27/23 12:20	09/27/23 19:50	11104-28-2	
PCB-1232 (Aroclor 1232)	**<26.5**	ug/kg	87.1	26.5	1	09/27/23 12:20	09/27/23 19:50	11141-16-5	
PCB-1242 (Aroclor 1242)	**<26.5**	ug/kg	87.1	26.5	1	09/27/23 12:20	09/27/23 19:50	53469-21-9	
PCB-1248 (Aroclor 1248)	**<26.5**	ug/kg	87.1	26.5	1	09/27/23 12:20	09/27/23 19:50	12672-29-6	
PCB-1254 (Aroclor 1254)	**229**	ug/kg	87.1	26.5	1	09/27/23 12:20	09/27/23 19:50	11097-69-1	
PCB-1260 (Aroclor 1260)	**<26.5**	ug/kg	87.1	26.5	1	09/27/23 12:20	09/27/23 19:50	11096-82-5	
PCB-1262 (Aroclor 1262)	**<26.5**	ug/kg	87.1	26.5	1	09/27/23 12:20	09/27/23 19:50	37324-23-5	
PCB-1268 (Aroclor 1268)	**<26.5**	ug/kg	87.1	26.5	1	09/27/23 12:20	09/27/23 19:50	11100-14-4	
PCB, Total	**229**	ug/kg	87.1	26.5	1	09/27/23 12:20	09/27/23 19:50	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	44-120		1	09/27/23 12:20	09/27/23 19:50	877-09-8	
Decachlorobiphenyl (S)	75	%	34-120		1	09/27/23 12:20	09/27/23 19:50	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**42.4**	%	0.10	0.10	1		09/26/23 16:58		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC REP 02 **Lab ID: 40268407021** Collected: 09/18/23 00:00 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<28.2**	ug/kg	92.8	28.2	1	09/27/23 12:20	09/27/23 20:11	12674-11-2	
PCB-1221 (Aroclor 1221)	**<28.2**	ug/kg	92.8	28.2	1	09/27/23 12:20	09/27/23 20:11	11104-28-2	
PCB-1232 (Aroclor 1232)	**<28.2**	ug/kg	92.8	28.2	1	09/27/23 12:20	09/27/23 20:11	11141-16-5	
PCB-1242 (Aroclor 1242)	**<28.2**	ug/kg	92.8	28.2	1	09/27/23 12:20	09/27/23 20:11	53469-21-9	
PCB-1248 (Aroclor 1248)	**<28.2**	ug/kg	92.8	28.2	1	09/27/23 12:20	09/27/23 20:11	12672-29-6	
PCB-1254 (Aroclor 1254)	**795**	ug/kg	92.8	28.2	1	09/27/23 12:20	09/27/23 20:11	11097-69-1	
PCB-1260 (Aroclor 1260)	**166**	ug/kg	92.8	28.2	1	09/27/23 12:20	09/27/23 20:11	11096-82-5	
PCB-1262 (Aroclor 1262)	**<28.2**	ug/kg	92.8	28.2	1	09/27/23 12:20	09/27/23 20:11	37324-23-5	
PCB-1268 (Aroclor 1268)	**<28.2**	ug/kg	92.8	28.2	1	09/27/23 12:20	09/27/23 20:11	11100-14-4	
PCB, Total	**961**	ug/kg	92.8	28.2	1	09/27/23 12:20	09/27/23 20:11	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	78	%	44-120		1	09/27/23 12:20	09/27/23 20:11	877-09-8	
Decachlorobiphenyl (S)	63	%	34-120		1	09/27/23 12:20	09/27/23 20:11	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**45.9**	%	0.10	0.10	1		10/04/23 16:39		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 522R 6-18 **Lab ID: 40268407023** Collected: 09/18/23 13:06 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<22.5**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 20:54	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.5**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 20:54	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.5**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 20:54	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.5**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 20:54	53469-21-9	
PCB-1248 (Aroclor 1248)	**<22.5**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 20:54	12672-29-6	
PCB-1254 (Aroclor 1254)	**1150**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 20:54	11097-69-1	
PCB-1260 (Aroclor 1260)	**231**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 20:54	11096-82-5	
PCB-1262 (Aroclor 1262)	**<22.5**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 20:54	37324-23-5	
PCB-1268 (Aroclor 1268)	**<22.5**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 20:54	11100-14-4	
PCB, Total	**1380**	ug/kg	73.9	22.5	1	09/27/23 12:20	09/27/23 20:54	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	84	%	44-120		1	09/27/23 12:20	09/27/23 20:54	877-09-8	
Decachlorobiphenyl (S)	66	%	34-120		1	09/27/23 12:20	09/27/23 20:54	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**32.1**	%	0.10	0.10	1		10/02/23 12:20		
TOC via Lloyd Kahn	Analytical Method: Lloyd Kahn Pace Analytical Services - Green Bay								
Total Organic Carbon	**17900**	mg/kg	1470	745	1		09/29/23 06:48	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 522R 0-6 DREDGE **Lab ID: 40268407024** Collected: 09/18/23 13:12 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<29.0**	ug/kg	95.3	29.0	1	09/27/23 12:20	09/27/23 21:15	12674-11-2	
PCB-1221 (Aroclor 1221)	**<29.0**	ug/kg	95.3	29.0	1	09/27/23 12:20	09/27/23 21:15	11104-28-2	
PCB-1232 (Aroclor 1232)	**<29.0**	ug/kg	95.3	29.0	1	09/27/23 12:20	09/27/23 21:15	11141-16-5	
PCB-1242 (Aroclor 1242)	**<29.0**	ug/kg	95.3	29.0	1	09/27/23 12:20	09/27/23 21:15	53469-21-9	
PCB-1248 (Aroclor 1248)	**<29.0**	ug/kg	95.3	29.0	1	09/27/23 12:20	09/27/23 21:15	12672-29-6	
PCB-1254 (Aroclor 1254)	**281**	ug/kg	95.3	29.0	1	09/27/23 12:20	09/27/23 21:15	11097-69-1	
PCB-1260 (Aroclor 1260)	**<29.0**	ug/kg	95.3	29.0	1	09/27/23 12:20	09/27/23 21:15	11096-82-5	
PCB-1262 (Aroclor 1262)	**<29.0**	ug/kg	95.3	29.0	1	09/27/23 12:20	09/27/23 21:15	37324-23-5	
PCB-1268 (Aroclor 1268)	**<29.0**	ug/kg	95.3	29.0	1	09/27/23 12:20	09/27/23 21:15	11100-14-4	
PCB, Total	**281**	ug/kg	95.3	29.0	1	09/27/23 12:20	09/27/23 21:15	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	78	%	44-120		1	09/27/23 12:20	09/27/23 21:15	877-09-8	
Decachlorobiphenyl (S)	72	%	34-120		1	09/27/23 12:20	09/27/23 21:15	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**47.7**	%	0.10	0.10	1		10/02/23 12:20		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC DUP01 0-6 DREDGE **Lab ID: 40268407025** Collected: 09/18/23 00:00 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<22.3**	ug/kg	73.2	22.3	1	09/27/23 12:20	09/27/23 21:36	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.3**	ug/kg	73.2	22.3	1	09/27/23 12:20	09/27/23 21:36	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.3**	ug/kg	73.2	22.3	1	09/27/23 12:20	09/27/23 21:36	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.3**	ug/kg	73.2	22.3	1	09/27/23 12:20	09/27/23 21:36	53469-21-9	
PCB-1248 (Aroclor 1248)	**<22.3**	ug/kg	73.2	22.3	1	09/27/23 12:20	09/27/23 21:36	12672-29-6	
PCB-1254 (Aroclor 1254)	**104**	ug/kg	73.2	22.3	1	09/27/23 12:20	09/27/23 21:36	11097-69-1	
PCB-1260 (Aroclor 1260)	**<22.3**	ug/kg	73.2	22.3	1	09/27/23 12:20	09/27/23 21:36	11096-82-5	
PCB-1262 (Aroclor 1262)	**<22.3**	ug/kg	73.2	22.3	1	09/27/23 12:20	09/27/23 21:36	37324-23-5	
PCB-1268 (Aroclor 1268)	**<22.3**	ug/kg	73.2	22.3	1	09/27/23 12:20	09/27/23 21:36	11100-14-4	
PCB, Total	**104**	ug/kg	73.2	22.3	1	09/27/23 12:20	09/27/23 21:36	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	44-120		1	09/27/23 12:20	09/27/23 21:36	877-09-8	
Decachlorobiphenyl (S)	77	%	34-120		1	09/27/23 12:20	09/27/23 21:36	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**31.8**	%	0.10	0.10	1		10/02/23 12:20		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 921C 0-6 DREDGE **Lab ID: 40268407026** Collected: 09/18/23 13:32 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<25.7**	ug/kg	84.4	25.7	1	09/27/23 12:20	09/27/23 21:58	12674-11-2	
PCB-1221 (Aroclor 1221)	**<25.7**	ug/kg	84.4	25.7	1	09/27/23 12:20	09/27/23 21:58	11104-28-2	
PCB-1232 (Aroclor 1232)	**<25.7**	ug/kg	84.4	25.7	1	09/27/23 12:20	09/27/23 21:58	11141-16-5	
PCB-1242 (Aroclor 1242)	**<25.7**	ug/kg	84.4	25.7	1	09/27/23 12:20	09/27/23 21:58	53469-21-9	
PCB-1248 (Aroclor 1248)	**<25.7**	ug/kg	84.4	25.7	1	09/27/23 12:20	09/27/23 21:58	12672-29-6	
PCB-1254 (Aroclor 1254)	**191**	ug/kg	84.4	25.7	1	09/27/23 12:20	09/27/23 21:58	11097-69-1	
PCB-1260 (Aroclor 1260)	**<25.7**	ug/kg	84.4	25.7	1	09/27/23 12:20	09/27/23 21:58	11096-82-5	
PCB-1262 (Aroclor 1262)	**<25.7**	ug/kg	84.4	25.7	1	09/27/23 12:20	09/27/23 21:58	37324-23-5	
PCB-1268 (Aroclor 1268)	**<25.7**	ug/kg	84.4	25.7	1	09/27/23 12:20	09/27/23 21:58	11100-14-4	
PCB, Total	**191**	ug/kg	84.4	25.7	1	09/27/23 12:20	09/27/23 21:58	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	76	%	44-120		1	09/27/23 12:20	09/27/23 21:58	877-09-8	
Decachlorobiphenyl (S)	73	%	34-120		1	09/27/23 12:20	09/27/23 21:58	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**40.9**	%	0.10	0.10	1		10/02/23 12:21		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 520R 6-18 **Lab ID: 40268407028** Collected: 09/18/23 14:14 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<22.5**	ug/kg	73.8	22.5	1	09/27/23 12:20	09/27/23 22:40	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.5**	ug/kg	73.8	22.5	1	09/27/23 12:20	09/27/23 22:40	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.5**	ug/kg	73.8	22.5	1	09/27/23 12:20	09/27/23 22:40	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.5**	ug/kg	73.8	22.5	1	09/27/23 12:20	09/27/23 22:40	53469-21-9	
PCB-1248 (Aroclor 1248)	**<22.5**	ug/kg	73.8	22.5	1	09/27/23 12:20	09/27/23 22:40	12672-29-6	
PCB-1254 (Aroclor 1254)	**44.6J**	ug/kg	73.8	22.5	1	09/27/23 12:20	09/27/23 22:40	11097-69-1	
PCB-1260 (Aroclor 1260)	**<22.5**	ug/kg	73.8	22.5	1	09/27/23 12:20	09/27/23 22:40	11096-82-5	
PCB-1262 (Aroclor 1262)	**<22.5**	ug/kg	73.8	22.5	1	09/27/23 12:20	09/27/23 22:40	37324-23-5	
PCB-1268 (Aroclor 1268)	**<22.5**	ug/kg	73.8	22.5	1	09/27/23 12:20	09/27/23 22:40	11100-14-4	
PCB, Total	**44.6J**	ug/kg	73.8	22.5	1	09/27/23 12:20	09/27/23 22:40	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	44-120		1	09/27/23 12:20	09/27/23 22:40	877-09-8	
Decachlorobiphenyl (S)	80	%	34-120		1	09/27/23 12:20	09/27/23 22:40	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**32.0**	%	0.10	0.10	1		10/02/23 12:21		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 520R 0-6 DREDGE **Lab ID: 40268407029** Collected: 09/18/23 14:17 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<25.3**	ug/kg	83.1	25.3	1	09/27/23 12:20	09/27/23 23:02	12674-11-2	
PCB-1221 (Aroclor 1221)	**<25.3**	ug/kg	83.1	25.3	1	09/27/23 12:20	09/27/23 23:02	11104-28-2	
PCB-1232 (Aroclor 1232)	**<25.3**	ug/kg	83.1	25.3	1	09/27/23 12:20	09/27/23 23:02	11141-16-5	
PCB-1242 (Aroclor 1242)	**<25.3**	ug/kg	83.1	25.3	1	09/27/23 12:20	09/27/23 23:02	53469-21-9	
PCB-1248 (Aroclor 1248)	**<25.3**	ug/kg	83.1	25.3	1	09/27/23 12:20	09/27/23 23:02	12672-29-6	
PCB-1254 (Aroclor 1254)	**750**	ug/kg	83.1	25.3	1	09/27/23 12:20	09/27/23 23:02	11097-69-1	
PCB-1260 (Aroclor 1260)	**<25.3**	ug/kg	83.1	25.3	1	09/27/23 12:20	09/27/23 23:02	11096-82-5	
PCB-1262 (Aroclor 1262)	**<25.3**	ug/kg	83.1	25.3	1	09/27/23 12:20	09/27/23 23:02	37324-23-5	
PCB-1268 (Aroclor 1268)	**<25.3**	ug/kg	83.1	25.3	1	09/27/23 12:20	09/27/23 23:02	11100-14-4	
PCB, Total	**750**	ug/kg	83.1	25.3	1	09/27/23 12:20	09/27/23 23:02	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	77	%	44-120		1	09/27/23 12:20	09/27/23 23:02	877-09-8	
Decachlorobiphenyl (S)	76	%	34-120		1	09/27/23 12:20	09/27/23 23:02	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**39.6**	%	0.10	0.10	1		10/02/23 12:21		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 019L 6-18 **Lab ID: 40268407031** Collected: 09/18/23 14:35 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<156**	ug/kg	514	156	1	09/27/23 12:20	09/27/23 23:44	12674-11-2	
PCB-1221 (Aroclor 1221)	**<156**	ug/kg	514	156	1	09/27/23 12:20	09/27/23 23:44	11104-28-2	
PCB-1232 (Aroclor 1232)	**<156**	ug/kg	514	156	1	09/27/23 12:20	09/27/23 23:44	11141-16-5	
PCB-1242 (Aroclor 1242)	**<156**	ug/kg	514	156	1	09/27/23 12:20	09/27/23 23:44	53469-21-9	
PCB-1248 (Aroclor 1248)	**<156**	ug/kg	514	156	1	09/27/23 12:20	09/27/23 23:44	12672-29-6	
PCB-1254 (Aroclor 1254)	**1280**	ug/kg	514	156	1	09/27/23 12:20	09/27/23 23:44	11097-69-1	
PCB-1260 (Aroclor 1260)	**<156**	ug/kg	514	156	1	09/27/23 12:20	09/27/23 23:44	11096-82-5	
PCB-1262 (Aroclor 1262)	**<156**	ug/kg	514	156	1	09/27/23 12:20	09/27/23 23:44	37324-23-5	
PCB-1268 (Aroclor 1268)	**<156**	ug/kg	514	156	1	09/27/23 12:20	09/27/23 23:44	11100-14-4	
PCB, Total	**1280**	ug/kg	514	156	1	09/27/23 12:20	09/27/23 23:44	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	72	%	44-120		1	09/27/23 12:20	09/27/23 23:44	877-09-8	
Decachlorobiphenyl (S)	71	%	34-120		1	09/27/23 12:20	09/27/23 23:44	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**90.3**	%	0.10	0.10	1		10/02/23 12:21		
TOC via Lloyd Kahn	Analytical Method: Lloyd Kahn Pace Analytical Services - Green Bay								
Total Organic Carbon	**208000**	mg/kg	13300	6750	1		09/29/23 06:54	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC REP 03 **Lab ID: 40268407032** Collected: 09/18/23 00:00 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<20.5**	ug/kg	67.5	20.5	1	09/28/23 10:32	09/28/23 20:21	12674-11-2	
PCB-1221 (Aroclor 1221)	**<20.5**	ug/kg	67.5	20.5	1	09/28/23 10:32	09/28/23 20:21	11104-28-2	
PCB-1232 (Aroclor 1232)	**<20.5**	ug/kg	67.5	20.5	1	09/28/23 10:32	09/28/23 20:21	11141-16-5	
PCB-1242 (Aroclor 1242)	**<20.5**	ug/kg	67.5	20.5	1	09/28/23 10:32	09/28/23 20:21	53469-21-9	
PCB-1248 (Aroclor 1248)	**<20.5**	ug/kg	67.5	20.5	1	09/28/23 10:32	09/28/23 20:21	12672-29-6	
PCB-1254 (Aroclor 1254)	**253**	ug/kg	67.5	20.5	1	09/28/23 10:32	09/28/23 20:21	11097-69-1	
PCB-1260 (Aroclor 1260)	**<20.5**	ug/kg	67.5	20.5	1	09/28/23 10:32	09/28/23 20:21	11096-82-5	
PCB-1262 (Aroclor 1262)	**<20.5**	ug/kg	67.5	20.5	1	09/28/23 10:32	09/28/23 20:21	37324-23-5	
PCB-1268 (Aroclor 1268)	**<20.5**	ug/kg	67.5	20.5	1	09/28/23 10:32	09/28/23 20:21	11100-14-4	
PCB, Total	**253**	ug/kg	67.5	20.5	1	09/28/23 10:32	09/28/23 20:21	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	94	%	44-120		1	09/28/23 10:32	09/28/23 20:21	877-09-8	
Decachlorobiphenyl (S)	79	%	34-120		1	09/28/23 10:32	09/28/23 20:21	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**26.2**	%	0.10	0.10	1		10/02/23 12:21		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 019L 0-6 DREDGE **Lab ID: 40268407033** Collected: 09/18/23 14:38 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<22.3**	ug/kg	73.2	22.3	1	09/28/23 10:32	09/28/23 20:44	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.3**	ug/kg	73.2	22.3	1	09/28/23 10:32	09/28/23 20:44	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.3**	ug/kg	73.2	22.3	1	09/28/23 10:32	09/28/23 20:44	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.3**	ug/kg	73.2	22.3	1	09/28/23 10:32	09/28/23 20:44	53469-21-9	
PCB-1248 (Aroclor 1248)	**<22.3**	ug/kg	73.2	22.3	1	09/28/23 10:32	09/28/23 20:44	12672-29-6	
PCB-1254 (Aroclor 1254)	**201**	ug/kg	73.2	22.3	1	09/28/23 10:32	09/28/23 20:44	11097-69-1	
PCB-1260 (Aroclor 1260)	**<22.3**	ug/kg	73.2	22.3	1	09/28/23 10:32	09/28/23 20:44	11096-82-5	
PCB-1262 (Aroclor 1262)	**<22.3**	ug/kg	73.2	22.3	1	09/28/23 10:32	09/28/23 20:44	37324-23-5	
PCB-1268 (Aroclor 1268)	**<22.3**	ug/kg	73.2	22.3	1	09/28/23 10:32	09/28/23 20:44	11100-14-4	
PCB, Total	**201**	ug/kg	73.2	22.3	1	09/28/23 10:32	09/28/23 20:44	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	95	%	44-120		1	09/28/23 10:32	09/28/23 20:44	877-09-8	
Decachlorobiphenyl (S)	79	%	34-120		1	09/28/23 10:32	09/28/23 20:44	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**31.7**	%	0.10	0.10	1		10/03/23 11:53		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 518R 0-6 DREDGE **Lab ID: 40268407035** Collected: 09/18/23 15:04 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<26.3**	ug/kg	86.4	26.3	1	09/28/23 10:32	09/28/23 21:31	12674-11-2	
PCB-1221 (Aroclor 1221)	**<26.3**	ug/kg	86.4	26.3	1	09/28/23 10:32	09/28/23 21:31	11104-28-2	
PCB-1232 (Aroclor 1232)	**<26.3**	ug/kg	86.4	26.3	1	09/28/23 10:32	09/28/23 21:31	11141-16-5	
PCB-1242 (Aroclor 1242)	**<26.3**	ug/kg	86.4	26.3	1	09/28/23 10:32	09/28/23 21:31	53469-21-9	
PCB-1248 (Aroclor 1248)	**<26.3**	ug/kg	86.4	26.3	1	09/28/23 10:32	09/28/23 21:31	12672-29-6	
PCB-1254 (Aroclor 1254)	**263**	ug/kg	86.4	26.3	1	09/28/23 10:32	09/28/23 21:31	11097-69-1	
PCB-1260 (Aroclor 1260)	**<26.3**	ug/kg	86.4	26.3	1	09/28/23 10:32	09/28/23 21:31	11096-82-5	
PCB-1262 (Aroclor 1262)	**<26.3**	ug/kg	86.4	26.3	1	09/28/23 10:32	09/28/23 21:31	37324-23-5	
PCB-1268 (Aroclor 1268)	**<26.3**	ug/kg	86.4	26.3	1	09/28/23 10:32	09/28/23 21:31	11100-14-4	
PCB, Total	**263**	ug/kg	86.4	26.3	1	09/28/23 10:32	09/28/23 21:31	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	95	%	44-120		1	09/28/23 10:32	09/28/23 21:31	877-09-8	
Decachlorobiphenyl (S)	80	%	34-120		1	09/28/23 10:32	09/28/23 21:31	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**42.2**	%	0.10	0.10	1		10/03/23 11:53		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC DUP02 0-6 DREDGE **Lab ID: 40268407036** Collected: 09/18/23 00:00 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<24.6**	ug/kg	80.9	24.6	1	09/28/23 10:32	09/28/23 21:54	12674-11-2	
PCB-1221 (Aroclor 1221)	**<24.6**	ug/kg	80.9	24.6	1	09/28/23 10:32	09/28/23 21:54	11104-28-2	
PCB-1232 (Aroclor 1232)	**<24.6**	ug/kg	80.9	24.6	1	09/28/23 10:32	09/28/23 21:54	11141-16-5	
PCB-1242 (Aroclor 1242)	**<24.6**	ug/kg	80.9	24.6	1	09/28/23 10:32	09/28/23 21:54	53469-21-9	
PCB-1248 (Aroclor 1248)	**<24.6**	ug/kg	80.9	24.6	1	09/28/23 10:32	09/28/23 21:54	12672-29-6	
PCB-1254 (Aroclor 1254)	**202**	ug/kg	80.9	24.6	1	09/28/23 10:32	09/28/23 21:54	11097-69-1	
PCB-1260 (Aroclor 1260)	**<24.6**	ug/kg	80.9	24.6	1	09/28/23 10:32	09/28/23 21:54	11096-82-5	
PCB-1262 (Aroclor 1262)	**<24.6**	ug/kg	80.9	24.6	1	09/28/23 10:32	09/28/23 21:54	37324-23-5	
PCB-1268 (Aroclor 1268)	**<24.6**	ug/kg	80.9	24.6	1	09/28/23 10:32	09/28/23 21:54	11100-14-4	
PCB, Total	**202**	ug/kg	80.9	24.6	1	09/28/23 10:32	09/28/23 21:54	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	93	%	44-120		1	09/28/23 10:32	09/28/23 21:54	877-09-8	
Decachlorobiphenyl (S)	81	%	34-120		1	09/28/23 10:32	09/28/23 21:54	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**38.0**	%	0.10	0.10	1		10/03/23 11:53		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 017L 0-6 DREDGE **Lab ID: 40268407038** Collected: 09/18/23 15:25 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<25.9**	ug/kg	85.1	25.9	1	09/28/23 10:32	09/29/23 00:37	12674-11-2	
PCB-1221 (Aroclor 1221)	**<25.9**	ug/kg	85.1	25.9	1	09/28/23 10:32	09/29/23 00:37	11104-28-2	
PCB-1232 (Aroclor 1232)	**<25.9**	ug/kg	85.1	25.9	1	09/28/23 10:32	09/29/23 00:37	11141-16-5	
PCB-1242 (Aroclor 1242)	**<25.9**	ug/kg	85.1	25.9	1	09/28/23 10:32	09/29/23 00:37	53469-21-9	
PCB-1248 (Aroclor 1248)	**<25.9**	ug/kg	85.1	25.9	1	09/28/23 10:32	09/29/23 00:37	12672-29-6	
PCB-1254 (Aroclor 1254)	**231**	ug/kg	85.1	25.9	1	09/28/23 10:32	09/29/23 00:37	11097-69-1	
PCB-1260 (Aroclor 1260)	**<25.9**	ug/kg	85.1	25.9	1	09/28/23 10:32	09/29/23 00:37	11096-82-5	
PCB-1262 (Aroclor 1262)	**<25.9**	ug/kg	85.1	25.9	1	09/28/23 10:32	09/29/23 00:37	37324-23-5	
PCB-1268 (Aroclor 1268)	**<25.9**	ug/kg	85.1	25.9	1	09/28/23 10:32	09/29/23 00:37	11100-14-4	
PCB, Total	**231**	ug/kg	85.1	25.9	1	09/28/23 10:32	09/29/23 00:37	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	96	%	44-120		1	09/28/23 10:32	09/29/23 00:37	877-09-8	
Decachlorobiphenyl (S)	82	%	34-120		1	09/28/23 10:32	09/29/23 00:37	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**41.3**	%	0.10	0.10	1		10/03/23 11:53		

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 016L 0-6 DREDGE **Lab ID: 40268407040** Collected: 09/18/23 15:45 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<36.6**	ug/kg	120	36.6	1	09/28/23 10:32	09/29/23 01:23	12674-11-2	
PCB-1221 (Aroclor 1221)	**<36.6**	ug/kg	120	36.6	1	09/28/23 10:32	09/29/23 01:23	11104-28-2	
PCB-1232 (Aroclor 1232)	**<36.6**	ug/kg	120	36.6	1	09/28/23 10:32	09/29/23 01:23	11141-16-5	
PCB-1242 (Aroclor 1242)	**<36.6**	ug/kg	120	36.6	1	09/28/23 10:32	09/29/23 01:23	53469-21-9	
PCB-1248 (Aroclor 1248)	**<36.6**	ug/kg	120	36.6	1	09/28/23 10:32	09/29/23 01:23	12672-29-6	
PCB-1254 (Aroclor 1254)	**443**	ug/kg	120	36.6	1	09/28/23 10:32	09/29/23 01:23	11097-69-1	
PCB-1260 (Aroclor 1260)	**<36.6**	ug/kg	120	36.6	1	09/28/23 10:32	09/29/23 01:23	11096-82-5	
PCB-1262 (Aroclor 1262)	**<36.6**	ug/kg	120	36.6	1	09/28/23 10:32	09/29/23 01:23	37324-23-5	
PCB-1268 (Aroclor 1268)	**<36.6**	ug/kg	120	36.6	1	09/28/23 10:32	09/29/23 01:23	11100-14-4	
PCB, Total	**443**	ug/kg	120	36.6	1	09/28/23 10:32	09/29/23 01:23	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	94	%	44-120		1	09/28/23 10:32	09/29/23 01:23	877-09-8	
Decachlorobiphenyl (S)	80	%	34-120		1	09/28/23 10:32	09/29/23 01:23	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**58.5**	%	0.10	0.10	1		10/03/23 11:53		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 015L 0-6 DREDGE **Lab ID: 40268407042** Collected: 09/18/23 15:58 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<22.7**	ug/kg	74.6	22.7	1	09/28/23 10:32	09/29/23 02:09	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.7**	ug/kg	74.6	22.7	1	09/28/23 10:32	09/29/23 02:09	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.7**	ug/kg	74.6	22.7	1	09/28/23 10:32	09/29/23 02:09	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.7**	ug/kg	74.6	22.7	1	09/28/23 10:32	09/29/23 02:09	53469-21-9	
PCB-1248 (Aroclor 1248)	**<22.7**	ug/kg	74.6	22.7	1	09/28/23 10:32	09/29/23 02:09	12672-29-6	
PCB-1254 (Aroclor 1254)	**106**	ug/kg	74.6	22.7	1	09/28/23 10:32	09/29/23 02:09	11097-69-1	
PCB-1260 (Aroclor 1260)	**<22.7**	ug/kg	74.6	22.7	1	09/28/23 10:32	09/29/23 02:09	11096-82-5	
PCB-1262 (Aroclor 1262)	**<22.7**	ug/kg	74.6	22.7	1	09/28/23 10:32	09/29/23 02:09	37324-23-5	
PCB-1268 (Aroclor 1268)	**<22.7**	ug/kg	74.6	22.7	1	09/28/23 10:32	09/29/23 02:09	11100-14-4	
PCB, Total	**106**	ug/kg	74.6	22.7	1	09/28/23 10:32	09/29/23 02:09	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	93	%	44-120		1	09/28/23 10:32	09/29/23 02:09	877-09-8	
Decachlorobiphenyl (S)	77	%	34-120		1	09/28/23 10:32	09/29/23 02:09	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**33.1**	%	0.10	0.10	1		10/03/23 11:53		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 514R 0-6 DREDGE **Lab ID: 40268407044** Collected: 09/18/23 16:18 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<21.7**	ug/kg	71.2	21.7	1	09/28/23 10:32	09/29/23 02:32	12674-11-2	
PCB-1221 (Aroclor 1221)	**<21.7**	ug/kg	71.2	21.7	1	09/28/23 10:32	09/29/23 02:32	11104-28-2	
PCB-1232 (Aroclor 1232)	**<21.7**	ug/kg	71.2	21.7	1	09/28/23 10:32	09/29/23 02:32	11141-16-5	
PCB-1242 (Aroclor 1242)	**<21.7**	ug/kg	71.2	21.7	1	09/28/23 10:32	09/29/23 02:32	53469-21-9	
PCB-1248 (Aroclor 1248)	**<21.7**	ug/kg	71.2	21.7	1	09/28/23 10:32	09/29/23 02:32	12672-29-6	
PCB-1254 (Aroclor 1254)	**128**	ug/kg	71.2	21.7	1	09/28/23 10:32	09/29/23 02:32	11097-69-1	
PCB-1260 (Aroclor 1260)	**<21.7**	ug/kg	71.2	21.7	1	09/28/23 10:32	09/29/23 02:32	11096-82-5	
PCB-1262 (Aroclor 1262)	**<21.7**	ug/kg	71.2	21.7	1	09/28/23 10:32	09/29/23 02:32	37324-23-5	
PCB-1268 (Aroclor 1268)	**<21.7**	ug/kg	71.2	21.7	1	09/28/23 10:32	09/29/23 02:32	11100-14-4	
PCB, Total	**128**	ug/kg	71.2	21.7	1	09/28/23 10:32	09/29/23 02:32	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	95	%	44-120		1	09/28/23 10:32	09/29/23 02:32	877-09-8	
Decachlorobiphenyl (S)	82	%	34-120		1	09/28/23 10:32	09/29/23 02:32	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**29.8**	%	0.10	0.10	1		10/03/23 11:53		
TOC via Lloyd Kahn	Analytical Method: Lloyd Kahn Pace Analytical Services - Green Bay								
Total Organic Carbon	**13600**	mg/kg	2110	1070	1		09/29/23 06:59	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 013L 0-6 DREDGE **Lab ID: 40268407045** Collected: 09/18/23 16:26 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<23.2**	ug/kg	76.1	23.2	1	09/28/23 10:32	09/29/23 02:56	12674-11-2	
PCB-1221 (Aroclor 1221)	**<23.2**	ug/kg	76.1	23.2	1	09/28/23 10:32	09/29/23 02:56	11104-28-2	
PCB-1232 (Aroclor 1232)	**<23.2**	ug/kg	76.1	23.2	1	09/28/23 10:32	09/29/23 02:56	11141-16-5	
PCB-1242 (Aroclor 1242)	**<23.2**	ug/kg	76.1	23.2	1	09/28/23 10:32	09/29/23 02:56	53469-21-9	
PCB-1248 (Aroclor 1248)	**<23.2**	ug/kg	76.1	23.2	1	09/28/23 10:32	09/29/23 02:56	12672-29-6	
PCB-1254 (Aroclor 1254)	**178**	ug/kg	76.1	23.2	1	09/28/23 10:32	09/29/23 02:56	11097-69-1	
PCB-1260 (Aroclor 1260)	**<23.2**	ug/kg	76.1	23.2	1	09/28/23 10:32	09/29/23 02:56	11096-82-5	
PCB-1262 (Aroclor 1262)	**<23.2**	ug/kg	76.1	23.2	1	09/28/23 10:32	09/29/23 02:56	37324-23-5	
PCB-1268 (Aroclor 1268)	**<23.2**	ug/kg	76.1	23.2	1	09/28/23 10:32	09/29/23 02:56	11100-14-4	
PCB, Total	**178**	ug/kg	76.1	23.2	1	09/28/23 10:32	09/29/23 02:56	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	95	%	44-120		1	09/28/23 10:32	09/29/23 02:56	877-09-8	
Decachlorobiphenyl (S)	77	%	34-120		1	09/28/23 10:32	09/29/23 02:56	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**34.5**	%	0.10	0.10	1		10/03/23 15:11		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC REP 04 **Lab ID: 40268407046** Collected: 09/18/23 00:00 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<23.2**	ug/kg	76.2	23.2	1	09/28/23 10:32	09/29/23 03:19	12674-11-2	
PCB-1221 (Aroclor 1221)	**<23.2**	ug/kg	76.2	23.2	1	09/28/23 10:32	09/29/23 03:19	11104-28-2	
PCB-1232 (Aroclor 1232)	**<23.2**	ug/kg	76.2	23.2	1	09/28/23 10:32	09/29/23 03:19	11141-16-5	
PCB-1242 (Aroclor 1242)	**<23.2**	ug/kg	76.2	23.2	1	09/28/23 10:32	09/29/23 03:19	53469-21-9	
PCB-1248 (Aroclor 1248)	**<23.2**	ug/kg	76.2	23.2	1	09/28/23 10:32	09/29/23 03:19	12672-29-6	
PCB-1254 (Aroclor 1254)	**143**	ug/kg	76.2	23.2	1	09/28/23 10:32	09/29/23 03:19	11097-69-1	
PCB-1260 (Aroclor 1260)	**<23.2**	ug/kg	76.2	23.2	1	09/28/23 10:32	09/29/23 03:19	11096-82-5	
PCB-1262 (Aroclor 1262)	**<23.2**	ug/kg	76.2	23.2	1	09/28/23 10:32	09/29/23 03:19	37324-23-5	
PCB-1268 (Aroclor 1268)	**<23.2**	ug/kg	76.2	23.2	1	09/28/23 10:32	09/29/23 03:19	11100-14-4	
PCB, Total	**143**	ug/kg	76.2	23.2	1	09/28/23 10:32	09/29/23 03:19	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	94	%	44-120		1	09/28/23 10:32	09/29/23 03:19	877-09-8	
Decachlorobiphenyl (S)	79	%	34-120		1	09/28/23 10:32	09/29/23 03:19	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**34.2**	%	0.10	0.10	1		10/03/23 15:11		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 012L 0-6 DREDGE **Lab ID: 40268407048** Collected: 09/18/23 16:41 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<18.6**	ug/kg	61.2	18.6	1	09/28/23 10:32	09/29/23 04:05	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.6**	ug/kg	61.2	18.6	1	09/28/23 10:32	09/29/23 04:05	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.6**	ug/kg	61.2	18.6	1	09/28/23 10:32	09/29/23 04:05	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.6**	ug/kg	61.2	18.6	1	09/28/23 10:32	09/29/23 04:05	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.6**	ug/kg	61.2	18.6	1	09/28/23 10:32	09/29/23 04:05	12672-29-6	
PCB-1254 (Aroclor 1254)	**86.5**	ug/kg	61.2	18.6	1	09/28/23 10:32	09/29/23 04:05	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.6**	ug/kg	61.2	18.6	1	09/28/23 10:32	09/29/23 04:05	11096-82-5	
PCB-1262 (Aroclor 1262)	**<18.6**	ug/kg	61.2	18.6	1	09/28/23 10:32	09/29/23 04:05	37324-23-5	
PCB-1268 (Aroclor 1268)	**<18.6**	ug/kg	61.2	18.6	1	09/28/23 10:32	09/29/23 04:05	11100-14-4	
PCB, Total	**86.5**	ug/kg	61.2	18.6	1	09/28/23 10:32	09/29/23 04:05	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	96	%	44-120		1	09/28/23 10:32	09/29/23 04:05	877-09-8	
Decachlorobiphenyl (S)	81	%	34-120		1	09/28/23 10:32	09/29/23 04:05	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**18.5**	%	0.10	0.10	1		10/03/23 15:11		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC 511R 0-6 DREDGE **Lab ID: 40268407050** Collected: 09/18/23 16:57 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<24.5**	ug/kg	80.6	24.5	1	09/28/23 10:32	09/29/23 04:52	12674-11-2	
PCB-1221 (Aroclor 1221)	**<24.5**	ug/kg	80.6	24.5	1	09/28/23 10:32	09/29/23 04:52	11104-28-2	
PCB-1232 (Aroclor 1232)	**<24.5**	ug/kg	80.6	24.5	1	09/28/23 10:32	09/29/23 04:52	11141-16-5	
PCB-1242 (Aroclor 1242)	**62.7J**	ug/kg	80.6	24.5	1	09/28/23 10:32	09/29/23 04:52	53469-21-9	
PCB-1248 (Aroclor 1248)	**<24.5**	ug/kg	80.6	24.5	1	09/28/23 10:32	09/29/23 04:52	12672-29-6	
PCB-1254 (Aroclor 1254)	**1030**	ug/kg	80.6	24.5	1	09/28/23 10:32	09/29/23 04:52	11097-69-1	
PCB-1260 (Aroclor 1260)	**<24.5**	ug/kg	80.6	24.5	1	09/28/23 10:32	09/29/23 04:52	11096-82-5	
PCB-1262 (Aroclor 1262)	**<24.5**	ug/kg	80.6	24.5	1	09/28/23 10:32	09/29/23 04:52	37324-23-5	
PCB-1268 (Aroclor 1268)	**<24.5**	ug/kg	80.6	24.5	1	09/28/23 10:32	09/29/23 04:52	11100-14-4	
PCB, Total	**1090**	ug/kg	80.6	24.5	1	09/28/23 10:32	09/29/23 04:52	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	96	%	44-120		1	09/28/23 10:32	09/29/23 04:52	877-09-8	
Decachlorobiphenyl (S)	81	%	34-120		1	09/28/23 10:32	09/29/23 04:52	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**38.0**	%	0.10	0.10	1		10/03/23 15:11		
TOC via Lloyd Kahn	Analytical Method: Lloyd Kahn Pace Analytical Services - Green Bay								
Total Organic Carbon	**36400**	mg/kg	1890	957	1		09/29/23 07:04	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC REP 05 **Lab ID: 40268407051** Collected: 09/18/23 00:00 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<25.1**	ug/kg	82.5	25.1	1	09/29/23 11:35	09/29/23 16:24	12674-11-2	
PCB-1221 (Aroclor 1221)	**<25.1**	ug/kg	82.5	25.1	1	09/29/23 11:35	09/29/23 16:24	11104-28-2	
PCB-1232 (Aroclor 1232)	**<25.1**	ug/kg	82.5	25.1	1	09/29/23 11:35	09/29/23 16:24	11141-16-5	
PCB-1242 (Aroclor 1242)	**<25.1**	ug/kg	82.5	25.1	1	09/29/23 11:35	09/29/23 16:24	53469-21-9	
PCB-1248 (Aroclor 1248)	**<25.1**	ug/kg	82.5	25.1	1	09/29/23 11:35	09/29/23 16:24	12672-29-6	
PCB-1254 (Aroclor 1254)	**634**	ug/kg	82.5	25.1	1	09/29/23 11:35	09/29/23 16:24	11097-69-1	
PCB-1260 (Aroclor 1260)	**<25.1**	ug/kg	82.5	25.1	1	09/29/23 11:35	09/29/23 16:24	11096-82-5	
PCB-1262 (Aroclor 1262)	**<25.1**	ug/kg	82.5	25.1	1	09/29/23 11:35	09/29/23 16:24	37324-23-5	
PCB-1268 (Aroclor 1268)	**<25.1**	ug/kg	82.5	25.1	1	09/29/23 11:35	09/29/23 16:24	11100-14-4	
PCB, Total	**634**	ug/kg	82.5	25.1	1	09/29/23 11:35	09/29/23 16:24	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	92	%	44-120		1	09/29/23 11:35	09/29/23 16:24	877-09-8	
Decachlorobiphenyl (S)	60	%	34-120		1	09/29/23 11:35	09/29/23 16:24	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**39.6**	%	0.10	0.10	1		10/03/23 15:11		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC GSA 01 **Lab ID: 40268407052** Collected: 09/18/23 17:41 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
ASTM D6913 Grain Size	Analytical Method: ASTM D6913 Pace Analytical Services - Green Bay								
Sieve 3.0"	**100.0**	%			1		10/03/23 14:33		
Sieve 2.0"	**100.0**	%			1		10/03/23 14:33		
Sieve 1.5"	**100.0**	%			1		10/03/23 14:33		
Sieve 1.0"	**100.0**	%			1		10/03/23 14:33		
Sieve 0.75"	**100.0**	%			1		10/03/23 14:33		
Sieve 0.375"	**97.7**	%			1		10/03/23 14:33		
Sieve #4	**95.8**	%			1		10/03/23 14:33		
Sieve #10	**94.2**	%			1		10/03/23 14:33		
Sieve #20	**90.4**	%			1		10/03/23 14:33		
Sieve #40	**78.7**	%			1		10/03/23 14:33		
Sieve #60	**50.6**	%			1		10/03/23 14:33		
Sieve #100	**28.0**	%			1		10/03/23 14:33		
Sieve #140	**19.0**	%			1		10/03/23 14:33		
Sieve #200	**10.3**	%			1		10/03/23 14:33		

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC GSA 02 **Lab ID: 40268407053** Collected: 09/18/23 17:49 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
ASTM D6913 Grain Size	Analytical Method: ASTM D6913 Pace Analytical Services - Green Bay								
Sieve 3.0"	**100.0**	%			1		09/29/23 10:31		
Sieve 2.0"	**100.0**	%			1		09/29/23 10:31		
Sieve 1.5"	**100.0**	%			1		09/29/23 10:31		
Sieve 1.0"	**100.0**	%			1		09/29/23 10:31		
Sieve 0.75"	**100.0**	%			1		09/29/23 10:31		
Sieve 0.375"	**100.0**	%			1		09/29/23 10:31		
Sieve #4	**96.1**	%			1		09/29/23 10:31		
Sieve #10	**92.2**	%			1		09/29/23 10:31		
Sieve #20	**87.3**	%			1		09/29/23 10:31		
Sieve #40	**73.5**	%			1		09/29/23 10:31		
Sieve #60	**50.7**	%			1		09/29/23 10:31		
Sieve #100	**31.5**	%			1		09/29/23 10:31		
Sieve #140	**22.8**	%			1		09/29/23 10:31		
Sieve #200	**17.0**	%			1		09/29/23 10:31		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC GSA 03 **Lab ID: 40268407054** Collected: 09/18/23 17:57 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
ASTM D6913 Grain Size	Analytical Method: ASTM D6913 Pace Analytical Services - Green Bay								
Sieve 3.0"	**100.0**	%			1		09/29/23 10:31		
Sieve 2.0"	**100.0**	%			1		09/29/23 10:31		
Sieve 1.5"	**100.0**	%			1		09/29/23 10:31		
Sieve 1.0"	**100.0**	%			1		09/29/23 10:31		
Sieve 0.75"	**100.0**	%			1		09/29/23 10:31		
Sieve 0.375"	**100.0**	%			1		09/29/23 10:31		
Sieve #4	**99.7**	%			1		09/29/23 10:31		
Sieve #10	**95.1**	%			1		09/29/23 10:31		
Sieve #20	**91.9**	%			1		09/29/23 10:31		
Sieve #40	**83.6**	%			1		09/29/23 10:31		
Sieve #60	**62.4**	%			1		09/29/23 10:31		
Sieve #100	**34.1**	%			1		09/29/23 10:31		
Sieve #140	**23.5**	%			1		09/29/23 10:31		
Sieve #200	**16.8**	%			1		09/29/23 10:31		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Sample: MR IC GSA 04 **Lab ID: 40268407055** Collected: 09/18/23 18:04 Received: 09/21/23 08:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
ASTM D6913 Grain Size	Analytical Method: ASTM D6913 Pace Analytical Services - Green Bay								
Sieve 3.0"	**100.0**	%			1		09/29/23 10:31		
Sieve 2.0"	**100.0**	%			1		09/29/23 10:31		
Sieve 1.5"	**100.0**	%			1		09/29/23 10:31		
Sieve 1.0"	**100.0**	%			1		09/29/23 10:31		
Sieve 0.75"	**100.0**	%			1		09/29/23 10:31		
Sieve 0.375"	**100.0**	%			1		09/29/23 10:31		
Sieve #4	**100.0**	%			1		09/29/23 10:31		
Sieve #10	**99.1**	%			1		09/29/23 10:31		
Sieve #20	**98.6**	%			1		09/29/23 10:31		
Sieve #40	**93.6**	%			1		09/29/23 10:31		
Sieve #60	**78.3**	%			1		09/29/23 10:31		
Sieve #100	**50.5**	%			1		09/29/23 10:31		
Sieve #140	**30.9**	%			1		09/29/23 10:31		
Sieve #200	**16.7**	%			1		09/29/23 10:31		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

QC Batch: 455813
QC Batch Method: EPA 3541
Analysis Method: EPA 8082A
Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268407003, 40268407005, 40268407006, 40268407008, 40268407009, 40268407010, 40268407011

METHOD BLANK: 2617896 Matrix: Solid
Associated Lab Samples: 40268407003, 40268407005, 40268407006, 40268407008, 40268407009, 40268407010, 40268407011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	09/27/23 06:33	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	09/27/23 06:33	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	09/27/23 06:33	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	09/27/23 06:33	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	09/27/23 06:33	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	09/27/23 06:33	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	09/27/23 06:33	
PCB-1262 (Aroclor 1262)	ug/kg	<15.2	50.0	09/27/23 06:33	
PCB-1268 (Aroclor 1268)	ug/kg	<15.2	50.0	09/27/23 06:33	
Decachlorobiphenyl (S)	%	88	34-120	09/27/23 06:33	
Tetrachloro-m-xylene (S)	%	103	44-120	09/27/23 06:33	

LABORATORY CONTROL SAMPLE: 2617897

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<15.2			
PCB-1221 (Aroclor 1221)	ug/kg		<15.2			
PCB-1232 (Aroclor 1232)	ug/kg		<15.2			
PCB-1242 (Aroclor 1242)	ug/kg		<15.2			
PCB-1248 (Aroclor 1248)	ug/kg		<15.2			
PCB-1254 (Aroclor 1254)	ug/kg		<15.2			
PCB-1260 (Aroclor 1260)	ug/kg	500	415	83	69-120	
PCB-1262 (Aroclor 1262)	ug/kg		<15.2			
PCB-1268 (Aroclor 1268)	ug/kg		<15.2			
Decachlorobiphenyl (S)	%			79	34-120	
Tetrachloro-m-xylene (S)	%			89	44-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2617898 2617899

Parameter	Units	40268216014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<0.017 mg/kg			<16.9	<16.9					20	
PCB-1221 (Aroclor 1221)	ug/kg	<0.017 mg/kg			<16.9	<16.9					20	
PCB-1232 (Aroclor 1232)	ug/kg	<0.017 mg/kg			<16.9	<16.9					20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2617898 2617899

Parameter	Units	40268216014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1242 (Aroclor 1242)	ug/kg	<0.017 mg/kg			<16.9	<16.9					20	
PCB-1248 (Aroclor 1248)	ug/kg	0.69 mg/kg			695	709				2	20	
PCB-1254 (Aroclor 1254)	ug/kg	<0.017 mg/kg			<16.9	<16.9					20	
PCB-1260 (Aroclor 1260)	ug/kg	<0.017 mg/kg	557	556	498	493	89	89	51-120	1	20	
PCB-1262 (Aroclor 1262)	ug/kg	<0.017 mg/kg			<16.9	<16.9					20	
PCB-1268 (Aroclor 1268)	ug/kg	<0.017 mg/kg			<16.9	<16.9					20	
Decachlorobiphenyl (S)	%						82	82	34-120			
Tetrachloro-m-xylene (S)	%						95	96	44-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

QC Batch: 455932
QC Batch Method: EPA 3541
Analysis Method: EPA 8082A
Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268407013, 40268407014, 40268407016, 40268407017, 40268407019, 40268407020, 40268407021, 40268407023, 40268407024, 40268407025, 40268407026, 40268407028, 40268407029, 40268407031

METHOD BLANK: 2618438 Matrix: Solid
Associated Lab Samples: 40268407013, 40268407014, 40268407016, 40268407017, 40268407019, 40268407020, 40268407021, 40268407023, 40268407024, 40268407025, 40268407026, 40268407028, 40268407029, 40268407031

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	09/27/23 14:31	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	09/27/23 14:31	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	09/27/23 14:31	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	09/27/23 14:31	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	09/27/23 14:31	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	09/27/23 14:31	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	09/27/23 14:31	
PCB-1262 (Aroclor 1262)	ug/kg	<15.2	50.0	09/27/23 14:31	
PCB-1268 (Aroclor 1268)	ug/kg	<15.2	50.0	09/27/23 14:31	
Decachlorobiphenyl (S)	%	83	34-120	09/27/23 14:31	
Tetrachloro-m-xylene (S)	%	83	44-120	09/27/23 14:31	

LABORATORY CONTROL SAMPLE: 2618439

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<15.2			
PCB-1221 (Aroclor 1221)	ug/kg		<15.2			
PCB-1232 (Aroclor 1232)	ug/kg		<15.2			
PCB-1242 (Aroclor 1242)	ug/kg		<15.2			
PCB-1248 (Aroclor 1248)	ug/kg		<15.2			
PCB-1254 (Aroclor 1254)	ug/kg		<15.2			
PCB-1260 (Aroclor 1260)	ug/kg	500	456	91	69-120	
PCB-1262 (Aroclor 1262)	ug/kg		<15.2			
PCB-1268 (Aroclor 1268)	ug/kg		<15.2			
Decachlorobiphenyl (S)	%			83	34-120	
Tetrachloro-m-xylene (S)	%			86	44-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2618440 2618441

Parameter	Units	40268407014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<22.7			<22.7	<22.7					20	
PCB-1221 (Aroclor 1221)	ug/kg	<22.7			<22.7	<22.7					20	
PCB-1232 (Aroclor 1232)	ug/kg	<22.7			<22.7	<22.7					20	
PCB-1242 (Aroclor 1242)	ug/kg	<22.7			<22.7	<22.7					20	
PCB-1248 (Aroclor 1248)	ug/kg	<22.7			<22.7	<22.7					20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2618440 2618441

Parameter	Units	40268407014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1254 (Aroclor 1254)	ug/kg	145			270	251				8	20	
PCB-1260 (Aroclor 1260)	ug/kg	<22.7	747	745	640	603	86	81	51-120	6	20	
PCB-1262 (Aroclor 1262)	ug/kg	<22.7			<22.7	<22.7					20	
PCB-1268 (Aroclor 1268)	ug/kg	<22.7			<22.7	<22.7					20	
Decachlorobiphenyl (S)	%						76	74	34-120			
Tetrachloro-m-xylene (S)	%						81	76	44-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

QC Batch: 456074
QC Batch Method: EPA 3541
Analysis Method: EPA 8082A
Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268407032, 40268407033, 40268407035, 40268407036, 40268407038, 40268407040, 40268407042, 40268407044, 40268407045, 40268407046, 40268407048, 40268407050

METHOD BLANK: 2619153 Matrix: Solid
Associated Lab Samples: 40268407032, 40268407033, 40268407035, 40268407036, 40268407038, 40268407040, 40268407042, 40268407044, 40268407045, 40268407046, 40268407048, 40268407050

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	09/28/23 18:46	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	09/28/23 18:46	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	09/28/23 18:46	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	09/28/23 18:46	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	09/28/23 18:46	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	09/28/23 18:46	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	09/28/23 18:46	
PCB-1262 (Aroclor 1262)	ug/kg	<15.2	50.0	09/28/23 18:46	
PCB-1268 (Aroclor 1268)	ug/kg	<15.2	50.0	09/28/23 18:46	
Decachlorobiphenyl (S)	%	86	34-120	09/28/23 18:46	
Tetrachloro-m-xylene (S)	%	93	44-120	09/28/23 18:46	

LABORATORY CONTROL SAMPLE: 2619154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<15.2			
PCB-1221 (Aroclor 1221)	ug/kg		<15.2			
PCB-1232 (Aroclor 1232)	ug/kg		<15.2			
PCB-1242 (Aroclor 1242)	ug/kg		<15.2			
PCB-1248 (Aroclor 1248)	ug/kg		<15.2			
PCB-1254 (Aroclor 1254)	ug/kg		<15.2			
PCB-1260 (Aroclor 1260)	ug/kg	500	470	94	69-120	
PCB-1262 (Aroclor 1262)	ug/kg		<15.2			
PCB-1268 (Aroclor 1268)	ug/kg		<15.2			
Decachlorobiphenyl (S)	%			86	34-120	
Tetrachloro-m-xylene (S)	%			101	44-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2619155 2619156

Parameter	Units	40268407043 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg				<15.2	<15.2					20	
PCB-1221 (Aroclor 1221)	ug/kg				<15.2	<15.2					20	
PCB-1232 (Aroclor 1232)	ug/kg				<15.2	<15.2					20	
PCB-1242 (Aroclor 1242)	ug/kg				<15.2	<15.2					20	
PCB-1248 (Aroclor 1248)	ug/kg				<15.2	<15.2					20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2619155 2619156

Parameter	Units	40268407043 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1254 (Aroclor 1254)	ug/kg				184	193				5	20	
PCB-1260 (Aroclor 1260)	ug/kg				452	448				1	20	
PCB-1262 (Aroclor 1262)	ug/kg				<15.2	<15.2					20	
PCB-1268 (Aroclor 1268)	ug/kg				<15.2	<15.2					20	
Decachlorobiphenyl (S)	%						81	81	34-120			
Tetrachloro-m-xylene (S)	%						95	94	44-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

QC Batch: 456195
QC Batch Method: EPA 3541
Analysis Method: EPA 8082A
Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268407051

METHOD BLANK: 2619763 Matrix: Solid
Associated Lab Samples: 40268407051

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	09/29/23 14:59	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	09/29/23 14:59	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	09/29/23 14:59	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	09/29/23 14:59	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	09/29/23 14:59	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	09/29/23 14:59	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	09/29/23 14:59	
PCB-1262 (Aroclor 1262)	ug/kg	<15.2	50.0	09/29/23 14:59	
PCB-1268 (Aroclor 1268)	ug/kg	<15.2	50.0	09/29/23 14:59	
Decachlorobiphenyl (S)	%	80	34-120	09/29/23 14:59	
Tetrachloro-m-xylene (S)	%	93	44-120	09/29/23 14:59	

LABORATORY CONTROL SAMPLE: 2619764

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<15.2			
PCB-1221 (Aroclor 1221)	ug/kg		<15.2			
PCB-1232 (Aroclor 1232)	ug/kg		<15.2			
PCB-1242 (Aroclor 1242)	ug/kg		<15.2			
PCB-1248 (Aroclor 1248)	ug/kg		<15.2			
PCB-1254 (Aroclor 1254)	ug/kg		<15.2			
PCB-1260 (Aroclor 1260)	ug/kg	500	470	94	69-120	
PCB-1262 (Aroclor 1262)	ug/kg		<15.2			
PCB-1268 (Aroclor 1268)	ug/kg		<15.2			
Decachlorobiphenyl (S)	%			78	34-120	
Tetrachloro-m-xylene (S)	%			95	44-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2619765 2619766

Parameter	Units	40268475001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<16.9			<16.9	<16.9					20	
PCB-1221 (Aroclor 1221)	ug/kg	<16.9			<16.9	<16.9					20	
PCB-1232 (Aroclor 1232)	ug/kg	<16.9			<16.9	<16.9					20	
PCB-1242 (Aroclor 1242)	ug/kg	<16.9			<16.9	<16.9					20	
PCB-1248 (Aroclor 1248)	ug/kg	<16.9			<16.9	<16.9					20	
PCB-1254 (Aroclor 1254)	ug/kg	<16.9			<16.9	<16.9					20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2619765 2619766

Parameter	Units	40268475001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1260 (Aroclor 1260)	ug/kg	<16.9	554	554	498	530	90	96	51-120	6	20	
PCB-1262 (Aroclor 1262)	ug/kg	<16.9			<16.9	<16.9					20	
PCB-1268 (Aroclor 1268)	ug/kg	<16.9			<16.9	<16.9					20	
Decachlorobiphenyl (S)	%						69	88	34-120			
Tetrachloro-m-xylene (S)	%						89	96	44-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

QC Batch: 456036
QC Batch Method: EPA 3510
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB Low Volume
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268407001

METHOD BLANK: 2618937 Matrix: Water
Associated Lab Samples: 40268407001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.11	0.50	09/29/23 06:20	
PCB-1221 (Aroclor 1221)	ug/L	<0.11	0.50	09/29/23 06:20	
PCB-1232 (Aroclor 1232)	ug/L	<0.11	0.50	09/29/23 06:20	
PCB-1242 (Aroclor 1242)	ug/L	<0.11	0.50	09/29/23 06:20	
PCB-1248 (Aroclor 1248)	ug/L	<0.11	0.50	09/29/23 06:20	
PCB-1254 (Aroclor 1254)	ug/L	<0.11	0.50	09/29/23 06:20	
PCB-1260 (Aroclor 1260)	ug/L	<0.11	0.50	09/29/23 06:20	
PCB-1262 (Aroclor 1262)	ug/L	<0.11	0.50	09/29/23 06:20	
PCB-1268 (Aroclor 1268)	ug/L	<0.11	0.50	09/29/23 06:20	
Decachlorobiphenyl (S)	%	82	10-132	09/29/23 06:20	
Tetrachloro-m-xylene (S)	%	52	41-120	09/29/23 06:20	

LABORATORY CONTROL SAMPLE: 2618938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L		<0.11			
PCB-1221 (Aroclor 1221)	ug/L		<0.11			
PCB-1232 (Aroclor 1232)	ug/L		<0.11			
PCB-1242 (Aroclor 1242)	ug/L		<0.11			
PCB-1248 (Aroclor 1248)	ug/L		<0.11			
PCB-1254 (Aroclor 1254)	ug/L		<0.11			
PCB-1260 (Aroclor 1260)	ug/L	5	4.4	88	70-120	
PCB-1262 (Aroclor 1262)	ug/L		<0.11			
PCB-1268 (Aroclor 1268)	ug/L		<0.11			
Decachlorobiphenyl (S)	%			83	10-132	
Tetrachloro-m-xylene (S)	%			63	41-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2618943 2618944

Parameter	Units	40268256001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/L	<0.11			<0.11	<0.11					20	
PCB-1221 (Aroclor 1221)	ug/L	<0.11			<0.11	<0.11					20	
PCB-1232 (Aroclor 1232)	ug/L	<0.11			<0.11	<0.11					20	
PCB-1242 (Aroclor 1242)	ug/L	<0.11			<0.11	<0.11					20	
PCB-1248 (Aroclor 1248)	ug/L	<0.11			<0.11	<0.11					20	
PCB-1254 (Aroclor 1254)	ug/L	<0.11			<0.11	<0.11					20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2618943 2618944

Parameter	Units	40268256001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1260 (Aroclor 1260)	ug/L	<0.11	5	5	4.1	4.1	81	81	70-120	0	20	
PCB-1262 (Aroclor 1262)	ug/L	<0.11			<0.11	<0.11					20	
PCB-1268 (Aroclor 1268)	ug/L	<0.11			<0.11	<0.11					20	
Decachlorobiphenyl (S)	%						74	75	10-132			
Tetrachloro-m-xylene (S)	%						66	69	41-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

QC Batch: 455859
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268407003, 40268407005, 40268407006, 40268407008, 40268407009, 40268407010, 40268407011, 40268407013, 40268407014, 40268407016, 40268407017, 40268407019, 40268407020

SAMPLE DUPLICATE: 2618144

Parameter	Units	40268405011 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	59.0	58.2	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

QC Batch: 456336
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268407023, 40268407024, 40268407025, 40268407026, 40268407028, 40268407029, 40268407031, 40268407032

SAMPLE DUPLICATE: 2620591

Parameter	Units	40268405023 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	41.3	42.0	2	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

QC Batch: 456461
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268407033, 40268407035, 40268407036, 40268407038, 40268407040, 40268407042, 40268407044

SAMPLE DUPLICATE: 2621047

Parameter	Units	40268844001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.1	20.3	4	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

QC Batch: 456491
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268407045, 40268407046, 40268407048, 40268407050, 40268407051

SAMPLE DUPLICATE: 2621160

Parameter	Units	40268844002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	23.3	23.3	0	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

QC Batch: 456615
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40268407021

SAMPLE DUPLICATE: 2621923

Parameter	Units	40268646008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.1	18.6	3	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 320928-HARP SOILS
Pace Project No.: 40268407

QC Batch: 456147
QC Batch Method: Lloyd Kahn
Analysis Method: Lloyd Kahn
Analysis Description: Lloyd Kahn TOC
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268407003, 40268407023, 40268407031, 40268407044, 40268407050

METHOD BLANK: 2619476 Matrix: Solid
Associated Lab Samples: 40268407003, 40268407023, 40268407031, 40268407044, 40268407050

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/kg	<50.6	100	09/29/23 04:43	

LABORATORY CONTROL SAMPLE: 2619477

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/kg	2000	1790	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2619478 2619479

Parameter	Units	40268405004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/kg	58700	17900	17600	77300	74500	104	90	80-120	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2619480 2619481

Parameter	Units	40268405008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/kg	65100	18200	19500	74800	83800	53	96	80-120	11	20	M0

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 320928-HARP SOILS
Pace Project No.: 40268407

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.

DL - Adjusted Method Detection Limit.

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: 456051

[1] coarse sieved 10/4/23; assisted by ALH

ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40268407003	**MR IC 529R 0-6 DREDGE**	EPA 3541	455813	EPA 8082A	455814
40268407005	**MR IC 528R 6-18**	EPA 3541	455813	EPA 8082A	455814
40268407006	**MR IC 528R 0-6 DREDGE**	EPA 3541	455813	EPA 8082A	455814
40268407008	**MR IC 527R 6-18**	EPA 3541	455813	EPA 8082A	455814
40268407009	**MR IC 527R 0-6 DREDGE**	EPA 3541	455813	EPA 8082A	455814
40268407010	**MR IC REP 01**	EPA 3541	455813	EPA 8082A	455814
40268407011	**MR IC 526R 0-6 DREDGE**	EPA 3541	455813	EPA 8082A	455814
40268407013	**MR IC 525R 6-18**	EPA 3541	455932	EPA 8082A	455955
40268407014	**MR IC 525R 0-6 DREDGE**	EPA 3541	455932	EPA 8082A	455955
40268407016	**MR IC 024L 6-18**	EPA 3541	455932	EPA 8082A	455955
40268407017	**MR IC 024L 0-6 DREDGE**	EPA 3541	455932	EPA 8082A	455955
40268407019	**MR IC 923C 6-18**	EPA 3541	455932	EPA 8082A	455955
40268407020	**MR IC 923C 0-6 DREDGE**	EPA 3541	455932	EPA 8082A	455955
40268407021	**MR IC REP 02**	EPA 3541	455932	EPA 8082A	455955
40268407023	**MR IC 522R 6-18**	EPA 3541	455932	EPA 8082A	455955
40268407024	**MR IC 522R 0-6 DREDGE**	EPA 3541	455932	EPA 8082A	455955
40268407025	**MR IC DUP01 0-6 DREDGE**	EPA 3541	455932	EPA 8082A	455955
40268407026	**MR IC 921C 0-6 DREDGE**	EPA 3541	455932	EPA 8082A	455955
40268407028	**MR IC 520R 6-18**	EPA 3541	455932	EPA 8082A	455955
40268407029	**MR IC 520R 0-6 DREDGE**	EPA 3541	455932	EPA 8082A	455955
40268407031	**MR IC 019L 6-18**	EPA 3541	455932	EPA 8082A	455955
40268407032	**MR IC REP 03**	EPA 3541	456074	EPA 8082A	456131
40268407033	**MR IC 019L 0-6 DREDGE**	EPA 3541	456074	EPA 8082A	456131
40268407035	**MR IC 518R 0-6 DREDGE**	EPA 3541	456074	EPA 8082A	456131
40268407036	**MR IC DUP02 0-6 DREDGE**	EPA 3541	456074	EPA 8082A	456131
40268407038	**MR IC 017L 0-6 DREDGE**	EPA 3541	456074	EPA 8082A	456131
40268407040	**MR IC 016L 0-6 DREDGE**	EPA 3541	456074	EPA 8082A	456131
40268407042	**MR IC 015L 0-6 DREDGE**	EPA 3541	456074	EPA 8082A	456131
40268407044	**MR IC 514R 0-6 DREDGE**	EPA 3541	456074	EPA 8082A	456131
40268407045	**MR IC 013L 0-6 DREDGE**	EPA 3541	456074	EPA 8082A	456131
40268407046	**MR IC REP 04**	EPA 3541	456074	EPA 8082A	456131
40268407048	**MR IC 012L 0-6 DREDGE**	EPA 3541	456074	EPA 8082A	456131
40268407050	**MR IC 511R 0-6 DREDGE**	EPA 3541	456074	EPA 8082A	456131
40268407051	**MR IC REP 05**	EPA 3541	456195	EPA 8082A	456196
40268407001	**NR-IC-EB1-202309**	EPA 3510	456036	EPA 8082A	456135
40268407003	**MR IC 529R 0-6 DREDGE**	ASTM D2974-87	455859		
40268407005	**MR IC 528R 6-18**	ASTM D2974-87	455859		
40268407006	**MR IC 528R 0-6 DREDGE**	ASTM D2974-87	455859		
40268407008	**MR IC 527R 6-18**	ASTM D2974-87	455859		
40268407009	**MR IC 527R 0-6 DREDGE**	ASTM D2974-87	455859		
40268407010	**MR IC REP 01**	ASTM D2974-87	455859		
40268407011	**MR IC 526R 0-6 DREDGE**	ASTM D2974-87	455859		
40268407013	**MR IC 525R 6-18**	ASTM D2974-87	455859		
40268407014	**MR IC 525R 0-6 DREDGE**	ASTM D2974-87	455859		
40268407016	**MR IC 024L 6-18**	ASTM D2974-87	455859		
40268407017	**MR IC 024L 0-6 DREDGE**	ASTM D2974-87	455859		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 320928-HARP SOILS
Pace Project No.: 40268407

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40268407019	**MR IC 923C 6-18**	ASTM D2974-87	455859		
40268407020	**MR IC 923C 0-6 DREDGE**	ASTM D2974-87	455859		
40268407021	**MR IC REP 02**	ASTM D2974-87	456615		
40268407023	**MR IC 522R 6-18**	ASTM D2974-87	456336		
40268407024	**MR IC 522R 0-6 DREDGE**	ASTM D2974-87	456336		
40268407025	**MR IC DUP01 0-6 DREDGE**	ASTM D2974-87	456336		
40268407026	**MR IC 921C 0-6 DREDGE**	ASTM D2974-87	456336		
40268407028	**MR IC 520R 6-18**	ASTM D2974-87	456336		
40268407029	**MR IC 520R 0-6 DREDGE**	ASTM D2974-87	456336		
40268407031	**MR IC 019L 6-18**	ASTM D2974-87	456336		
40268407032	**MR IC REP 03**	ASTM D2974-87	456336		
40268407033	**MR IC 019L 0-6 DREDGE**	ASTM D2974-87	456461		
40268407035	**MR IC 518R 0-6 DREDGE**	ASTM D2974-87	456461		
40268407036	**MR IC DUP02 0-6 DREDGE**	ASTM D2974-87	456461		
40268407038	**MR IC 017L 0-6 DREDGE**	ASTM D2974-87	456461		
40268407040	**MR IC 016L 0-6 DREDGE**	ASTM D2974-87	456461		
40268407042	**MR IC 015L 0-6 DREDGE**	ASTM D2974-87	456461		
40268407044	**MR IC 514R 0-6 DREDGE**	ASTM D2974-87	456461		
40268407045	**MR IC 013L 0-6 DREDGE**	ASTM D2974-87	456491		
40268407046	**MR IC REP 04**	ASTM D2974-87	456491		
40268407048	**MR IC 012L 0-6 DREDGE**	ASTM D2974-87	456491		
40268407050	**MR IC 511R 0-6 DREDGE**	ASTM D2974-87	456491		
40268407051	**MR IC REP 05**	ASTM D2974-87	456491		
40268407052	**MR IC GSA 01**	ASTM D6913	456051		
40268407053	**MR IC GSA 02**	ASTM D6913	456051		
40268407054	**MR IC GSA 03**	ASTM D6913	456051		
40268407055	**MR IC GSA 04**	ASTM D6913	456051		
40268407003	**MR IC 529R 0-6 DREDGE**	Lloyd Kahn	456147		
40268407023	**MR IC 522R 6-18**	Lloyd Kahn	456147		
40268407031	**MR IC 019L 6-18**	Lloyd Kahn	456147		
40268407044	**MR IC 514R 0-6 DREDGE**	Lloyd Kahn	456147		
40268407050	**MR IC 511R 0-6 DREDGE**	Lloyd Kahn	456147		

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Customer Project Name/Number: HARP-~~471207~~ BW 320928	State: WI County/City: Chilton Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: 312-909-0043 Email: charvey@trccompanies.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Ben Wachholz	Purchase Order #: 200599 Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): Ben Wachholz	Turnaround Date Required: standard Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive. _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis: _____

Container Preservative Type **: U U

** 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 Project Manager:

Analyses: PCBs, TOC

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY: Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PCBs	TOC	Lab Sample # / Comments
NR-IC-EBI-20230919	W	G	9/15/23	20:00				2	X		001
MR IC 529R 0-6	SL	G	9/18/23	10:15				1	X		HOLD 002
MR IC 529R 0-6 Dredge	SL	G	9/18/23	10:30				1	X	X	003
MR IC 528R 0-6	SL	G	9/18/23	10:45				1	X		HOLD 004
MR IC 528R 6-18	SL	G	9/18/23	10:46				1	X		005
MR IC 528R 0-6 Dredge	SL	G	9/18/23	10:50				1	X		006
MR IC 527R 0-6	SL	G	9/18/23	11:08				1	X		HOLD 007
MR IC 527R 6-18	SL	G	9/18/23	11:11				1	X		008
MR IC 527R 0-6 Dredge	SL	G	9/18/23	11:18				1	X		009
MR IC REP 01	SL	G	9/18/23	—				1	X		010

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909437

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/19/23 17:30		
Fed Ex	09/21/23 0855	[signature] Pace	09/21/23 0855
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40268407

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same
Address: 230 West Monroe St. Suite 1840 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address:
Customer Project Name/Number: HARP-320928	State: WI / County/City: Chilton / Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: 312-909-2043 Email: charvey@trccompanies.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Ben Wachholz	Purchase Order #: 200599 / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature): Ben Wachholz	Turnaround Date Required: Standard / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No / Analysis:

Container Preservative Type **: U

Lab Project Manager:

** 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 _____

Analyses: PCBs

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PCBs	Lab Sample # / Comments
MR IC 526R 0-6 Dredge	SL	G	9/18/23	11:30				1	X	011
MR IC 525R 0-6	SL	G	9/18/23	11:44				1	X	HOLD 012
MR IC 525R 6-18	SL	G	9/18/23	11:46				1	X	013
MR IC 526R 0-6 Dredge	SL	G	9/18/23	11:50				1	X	014
MR IC 024L 0-6	SL	G	9/18/23	12:05				1	X	HOLD 015
MR IC 024L 6-18	SL	G	9/18/23	12:07				1	X	016
MR IC 024L 0-6 Dredge	SL	G	9/18/23	12:11				1	X	017
MR IC 923C 0-6	SL	G	9/18/23	12:31				1	X	HOLD 018
MR IC 923C 6-18	SL	G	9/18/23	12:32				1	X	019
MR IC 923C 0-6 Dredge	SL	G	9/18/23	12:47				1	X	020

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909438

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/19/23 17:30		
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ted	09/21/23 0855	Susan Wilke Pace	09/21/23 0855
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40268407

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same
Address: 230 West Monroe St. Suite 1840 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address:
Customer Project Name/Number: HARP - 320928	State: WI / County/City: Chilton / Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: 312-909-0043 Email: charvey@trccompanies.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Ben Wachholz	Purchase Order #: 206599 / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature): Ben Wachholz	Turnaround Date Required: Standard / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: ____ [ ] Hold: ____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No / Analysis: ____

Container Preservative Type **: U U

** 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 Project Manager:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: PCBs	Analyses: TOC	Lab Sample # / Comments
TMR IC R6P 02	SL	G	9/15/23	—				1	X		021
MR IC 522R 0-6	SL	G	9/18/23	13:04				1	X		HOLD 022
MR IC 522R 6-18	SL	G	9/18/23	13:06				1	X	X	023
MR IC 522R 0-6 Dredge	SL	G	9/18/23	13:12				1	X		024
MR IC DUP 01 0-6 Dredge	SL	G	9/18/23	13:23				1	X		025
MR IC 921C 0-6 Dredge	SL	G	9/18/23	13:32				1	X		026
MR IC 520R 0-6	SL	G	9/18/23	14:12				1	X		HOLD 027
MR IC 520R 6-18	SL	G	9/18/23	14:14				1	X		028
MR IC 520R 0-6 Dredge	SL	G	9/18/23	14:17				1	X		029
MR IC 019L 0-6	SL	G	9/18/23	14:31				1	X		HOLD 030

Analyses / Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature 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 Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: ____			
Sample pH Acceptable	Y	N	NA
pH Strips: ____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: ____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909439

Samples received via: FEDEX UPS Client Courier Pace Courier

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

	Date/Time:		Date/Time:
Relinquished by/Company: (Signature) Ben Wachholz (TRC)	9/19/23 17:30	Received by/Company: (Signature)	
Relinquished by/Company: (Signature) Ted Ey	09/21/23 0855	Received by/Company: (Signature) Susan Mike Pace	09/21/23 0855
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40268407

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same
Address: 230 West Monroe St. Suite 1040 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address:
Customer Project Name/Number: HARP-320928	State: WI County/City: Chilton Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: 312-909-0043 Email: charvey@trccompanies.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Ben Wachholz	Purchase Order #: 200599 Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): Ben Wachholz	Turnaround Date Required: standard Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type **: U U

Lab Project Manager:

** 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 _____

Analyses: PCBS, TOC

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PCBS	TOC	Lab Sample # / Comments
MR IC 019L 0-18	SL	G	9/18/23	14:35				1	X	X	031
MR IC REP 03	SL	G	9/18/23	[illegible]				1	X		032
MR IC 019L 0-6 Dredge	SL	G	9/18/23	14:38				1	X		033
MR IC 518R 0-6	SL	G	9/18/23	15:00				1	X		HOLD 034
MR IC 518R 0-6 Dredge	SL	G	9/18/23	15:04				1	X		035
MR IC DUP02 0-6 Dredge	SL	G	9/18/23	-				1	X		036
MR IC 017L 0-6	SL	G	9/18/23	15:20				1	X		HOLD 037
MR IC 017L 0-6 Dredge	SL	G	9/18/23	15:25				1	X		038
MR IC 016L 0-6	SL	G	9/18/23	15:39				1	X		HOLD 039
MR IC 016L 0-6 Dredge	SL	G	9/18/23	15:45				1	X		040

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909440

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature) Ben Wachholz (TRC)	Date/Time: 9/19/23 17:30	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature) [illegible]	Date/Time: 09/21/23 0855	Received by/Company: (Signature) [illegible]	Date/Time: 09/21/23 0855
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40268407

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same
Address: 230 West Monroe St, Suite 1040 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address:
Customer Project Name/Number: HARP-320928	State: WI / County/City: Chilton / Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: 312-909-0043 Email: charvey@trccompanies.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Ben Wachholz	Purchase Order #: 200599 / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature): Ben Wachholz	Turnaround Date Required: Standard / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No / Analysis: _____

Container Preservative Type **: U U

Lab Project Manager:

** 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 _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: PCBs	Analyses: TOC	Lab Sample # / Comments	
MR IC 015L 0-6	SL	G	9/18/23	15:52				1	X		HOLD	041
MR IC 015L 0-6 Dredge	SL	G	9/18/23	15:58				1	X			042
MR IC 514R 0-6	SL	G	9/18/23	16:14				1	X		HOLD	043
MR IC 514R 0-6 Dredge	SL	G	9/18/23	16:18				1	X	X		044
MR IC 013L 0-6 Dredge	SL	G	9/18/23	16:26				1	X			045
MR IC REP 04	SL	G	9/18/23	-				1	X			046
MR IC 012L 0-6	SL	G	9/18/23	16:39				1	X		HOLD	047
MR IC 012L 0-6 Dredge	SL	G	9/18/23	16:41				1	X			048
MR IC 511R 0-6	SL	G	9/18/23	16:51				1	X		HOLD	049
MR IC 511R 0-6 Dredge	SL	G	9/18/23	16:57				1	X	X		050

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909441

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/19/23 17:30		
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Fed Ex	09/21/23 0855	Lupack Whse Pace	09/21/23 0855
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

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

40268407

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same
Address: 230 West Monroe St. Suite 1840 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address:
Customer Project Name/Number: HARP-320928	State: WI County/City: Chilton Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: 312-909-0043 Email: charvey@trccompanies.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Ben Wachholz	Purchase Order #: 200599 Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): Ben Wachholz	Turnaround Date Required: Standard Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type **: U U

Lab Project Manager:

** 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 _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: PCBs	Analyses: Grain Size Distribution	Lab Sample # / Comments
MR IC REP 05	SL	G	9/18/23	-				1	X		051
MR IC GSA 01	SL	C	9/18/23	17:41				2		X	052
MR IC GSA 02	SL	C	9/18/23	17:49				2		X	053
MR IC GSA 03	SL	C	9/18/23	17:57				2		X	054
MR IC GSA 04	SL	C	9/18/23	18:04				2		X	055

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909442

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/19/23 17:30		
Ted [illegible]	09/21/23 0855	[illegible]	09/21/23 0855
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Client Name: TRC

Sample Preservation Receipt Form

Project # 40268407

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

Lab Lot# of pH paper:

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

Initial when completed:

Date/ Time:

	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *						
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2		H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001	2																																	2.5 / 5
002																																		2.5 / 5
003																																		2.5 / 5
004																																		2.5 / 5
005																																		2.5 / 5
006																																		2.5 / 5
007																																		2.5 / 5
008																																		2.5 / 5
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011																																		2.5 / 5
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014																																		2.5 / 5
015																																		2.5 / 5
016																																		2.5 / 5
017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

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
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4
BP2Z	500 mL plastic NaOH + Zn

VG9C	40 mL clear ascorbic w/ HCl
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN 1	
GN 2	

Client Name: TRC

Sample Preservation Receipt Form

Project #: 40268407

	Glass							Plastic						Vials						Jars				General									
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
021																																		2.5 / 5
022																																		2.5 / 5
023																																		2.5 / 5
024																																		2.5 / 5
025																																		2.5 / 5
026																																		2.5 / 5
027																																		2.5 / 5
028																																		2.5 / 5
029																																		2.5 / 5
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031																																		2.5 / 5
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046																																		2.5 / 5
047																																		2.5 / 5
048																																		2.5 / 5

Sample Preservation Receipt Form

Client Name: TRC

Project #: 40268407

	Glass							Plastic						Vials						Jars				General										
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
049																				1														2.5 / 5
050																				1														2.5 / 5
051																				1														2.5 / 5
052																					2													2.5 / 5
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9/21/23 SW

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Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40268407

40268407

Client Name: TRC

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

Tracking #: 7734 6907 3677

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 - 117 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 0.0 /Corr: 1.5, 0.5

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

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
Date: 09/21/23 /Initials: SCW

Labeled By Initials: SG

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
Correct Type: ~~Pace Green Bay~~, Pace IR, Non-Pace		
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: S+W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☐Yes ☑No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

Page 4 of 4

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

October 19, 2023

Chris Harvey
TRC Environmental
230 W. Monroe St
Suite 630
Chicago, IL 60606

RE: Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

Dear Chris Harvey:

Enclosed are the analytical results for sample(s) received by the laboratory on September 15, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

Tod Noltemeyer

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

Enclosures

cc: Jessica Esser, TRC
Robert Hanley, TRC
Maddie Holicky, TRC
Peggy Popp, TRC - Madison
Ben Wachholz, TRC Madison

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

CERTIFICATIONS

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40268156028	**MR SW 511R**	Water	09/13/23 18:10	09/15/23 14:15
40268156029	**MR SW 512R**	Water	09/13/23 17:00	09/15/23 14:15
40268156030	**MR SW 513R**	Water	09/13/23 16:00	09/15/23 14:15
40268156031	**MR SW 010L**	Water	09/13/23 19:00	09/15/23 14:15
40268156032	**MR SW DUP 01**	Water	09/13/23 00:00	09/15/23 14:15
40268156033	**MR SW EB01**	Water	09/13/23 15:45	09/15/23 14:15
40268156034	**MR SW FB 01**	Water	09/13/23 19:30	09/15/23 14:15

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SAMPLE ANALYTE COUNT

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40268156028	**MR SW 511R**	SM 2540D	HML	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40268156029	**MR SW 512R**	SM 2540D	HML	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40268156030	**MR SW 513R**	SM 2540D	HML	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40268156031	**MR SW 010L**	SM 2540D	HML	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40268156032	**MR SW DUP 01**	SM 2540D	HML	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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PROJECT NARRATIVE

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

Method: **SM 2540D**
Description: 2540D Total Suspended Solids
Client: TRC - MADISON
Date: October 19, 2023

General Information:
5 samples were analyzed for SM 2540D by Pace Analytical Services Green Bay. 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:

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Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

Method: **SM 5310C**
Description: 5310C TOC
Client: TRC - MADISON
Date: October 19, 2023

General Information:
5 samples were analyzed for SM 5310C by Pace Analytical Services Green Bay. 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.

Additional Comments:

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

PROJECT NARRATIVE

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

Method: **SM 5310C**
Description: 5310C Dissolved Organic Carbon
Client: TRC - MADISON
Date: October 19, 2023

General Information:
5 samples were analyzed for SM 5310C by Pace Analytical Services Green Bay. 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.

Additional Comments:

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

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

Sample: MR SW 511R **Lab ID: 40268156028** Collected: 09/13/23 18:10 Received: 09/15/23 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	**7.6**	mg/L	1.2	0.59	1		09/19/23 10:30		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**7.7**	mg/L	0.50	0.14	1		09/28/23 10:54	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Dissolved Organic Carbon	**8.4**	mg/L	0.50	0.14	1		10/04/23 11:27		D9

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

Sample: MR SW 512R **Lab ID: 40268156029** Collected: 09/13/23 17:00 Received: 09/15/23 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	**19.0**	mg/L	1.0	0.48	1		09/19/23 10:30		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**8.6**	mg/L	0.50	0.14	1		09/28/23 11:48	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Dissolved Organic Carbon	**9.2**	mg/L	0.50	0.14	1		10/04/23 12:43		D9

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

Sample: MR SW 513R **Lab ID: 40268156030** Collected: 09/13/23 16:00 Received: 09/15/23 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	**43.1**	mg/L	3.1	1.5	1		09/19/23 10:30		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**8.9**	mg/L	0.50	0.14	1		09/28/23 12:41	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Dissolved Organic Carbon	**8.7**	mg/L	0.50	0.14	1		10/04/23 13:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

Sample: MR SW 010L **Lab ID: 40268156031** Collected: 09/13/23 19:00 Received: 09/15/23 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	**6.4**	mg/L	1.2	0.59	1		09/19/23 10:30		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**7.3**	mg/L	0.50	0.14	1		09/28/23 13:17	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Dissolved Organic Carbon	**8.2**	mg/L	0.50	0.14	1		10/04/23 13:55		D9

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

Sample: MR SW DUP 01 **Lab ID: 40268156032** Collected: 09/13/23 00:00 Received: 09/15/23 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	**30.5**	mg/L	1.8	0.83	1		09/19/23 10:30		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**8.8**	mg/L	0.50	0.14	1		09/28/23 13:35	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Dissolved Organic Carbon	**9.4**	mg/L	0.50	0.14	1		10/04/23 14:13		D9

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

QC Batch: 455151
QC Batch Method: SM 2540D
Analysis Method: SM 2540D
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268156028, 40268156029, 40268156030, 40268156031, 40268156032

METHOD BLANK: 2613853 Matrix: Water
Associated Lab Samples: 40268156028, 40268156029, 40268156030, 40268156031, 40268156032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	09/19/23 10:30	

LABORATORY CONTROL SAMPLE: 2613854

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

SAMPLE DUPLICATE: 2613855

Parameter	Units	40268166001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	37.0	35.0	6	10	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

QC Batch: 456017
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268156028, 40268156029, 40268156030, 40268156031, 40268156032

METHOD BLANK: 2618875 Matrix: Water
Associated Lab Samples: 40268156028, 40268156029, 40268156030, 40268156031, 40268156032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.14	0.50	09/28/23 10:10	

LABORATORY CONTROL SAMPLE: 2618876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	12.6	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2618877 2618878

Parameter	Units	40268156028 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	7.7	6	6	13.6	14.0	99	106	80-120	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2618879 2618880

Parameter	Units	40268156029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	8.6	6	6	15.4	14.8	113	105	80-120	3	10	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

QC Batch: 456515
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40268156028, 40268156029, 40268156030, 40268156031, 40268156032

METHOD BLANK: 2621359 Matrix: Water
Associated Lab Samples: 40268156028, 40268156029, 40268156030, 40268156031, 40268156032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	<0.14	0.50	10/04/23 09:45	

LABORATORY CONTROL SAMPLE: 2621360

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	12.5	12.7	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2621361 2621362

Parameter	Units	40268156028 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	8.4	6	6	14.4	14.6	100	103	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2621363 2621364

Parameter	Units	40268156029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dissolved Organic Carbon	mg/L	9.2	6	6	15.4	15.3	103	101	80-120	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

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

QUALIFIERS

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

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.

DL - Adjusted Method Detection Limit.

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

D9 Dissolved result is greater than the total. Data is within laboratory control limits.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HARP MR SURFACE WATERS
Pace Project No.: 40268583

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40268156028	**MR SW 511R**	SM 2540D	455151		
40268156029	**MR SW 512R**	SM 2540D	455151		
40268156030	**MR SW 513R**	SM 2540D	455151		
40268156031	**MR SW 010L**	SM 2540D	455151		
40268156032	**MR SW DUP 01**	SM 2540D	455151		
40268156028	**MR SW 511R**	SM 5310C	456017		
40268156029	**MR SW 512R**	SM 5310C	456017		
40268156030	**MR SW 513R**	SM 5310C	456017		
40268156031	**MR SW 010L**	SM 5310C	456017		
40268156032	**MR SW DUP 01**	SM 5310C	456017		
40268156028	**MR SW 511R**	SM 5310C	456515		
40268156029	**MR SW 512R**	SM 5310C	456515		
40268156030	**MR SW 513R**	SM 5310C	456515		
40268156031	**MR SW 010L**	SM 5310C	456515		
40268156032	**MR SW DUP 01**	SM 5310C	456515		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

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

40268156

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same as
Address: 230 West Monroe St. Suite 1840 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trcompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address: HARP
Customer Project Name/Number: HARP - 320928	State: WI County/City: Chilton Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: 312-909-0043 Email: charvey@trcompanies.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Maddie Harvey	Purchase Order #: 200599 Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Standard Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis: DOC

Container Preservative Type **: 1 2 2 4

Lab Project Manager:

** 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 _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: PCB congeners	TOC	DOC	TSS	Lab Profile/Line:
MR SW S11R	W	G	9/13/23	1810	—	—		5	X	X	X	X	028
MR SW S12R	W		9/13/23	1700	—	—		5	X	X	X	X	029
MR SW S13R	W		9/13/23	1600	—	—		5	X	X	X	X	030
MR SW 010L	W		9/13/23	1900	—	—		5	X	X	X	X	031
MR SW DUP01	W		9/13/23	—	—	—		5	X	X	X	X	032
MR SW EB01	W		9/13/23	1545	—	—		2	X				033
MR SW FB01	W		9/13/23	1930	—	—		2	X				034

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue (Dry) None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909232

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/15/23 9:30	Pace	9/15/23 1220
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Pace	9/15/23 1415		9/15/23 1415
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Sample Preservation Receipt Form

Client Name: TRC Project # 402681 56

All containers needing preservation have been checked and noted below. ☐Yes ☐No ☒N/A Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted): Initial when completed: Date/ Time:

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm)*	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
001																																	2.5 / 5
002																																	2.5 / 5
003																																	2.5 / 5
004																																	2.5 / 5
005																																	2.5 / 5
006																																	2.5 / 5
007																																	2.5 / 5
008																																	2.5 / 5
009																																	2.5 / 5
010																																	2.5 / 5
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016																																	2.5 / 5
017																																	2.5 / 5
018																																	2.5 / 5
019																																	2.5 / 5
020																																	2.5 / 5

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	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Page 1 of 3

Sample Preservation Receipt Form

Client Name: TRC Project #: 402681561

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
021																																		2.5 / 5
022																																		2.5 / 5
023																																		2.5 / 5
024																																		2.5 / 5
025																																		2.5 / 5
026	2																																	2.5 / 5
027	2																																	2.5 / 5
028	2			2																														2.5 / 5
029	2			2																														2.5 / 5
030	2			2																														2.5 / 5
031	2			2																														2.5 / 5
032	2			2																														2.5 / 5
033	2																																	2.5 / 5
034	2																																	2.5 / 5
035	2			2																														2.5 / 5
036	2			2																														2.5 / 5
037	2			2																														2.5 / 5
038	2			2																														2.5 / 5
039	2			2																														2.5 / 5
040	2			2																														2.5 / 5
041	2			2																														2.5 / 5
042	2			2																														2.5 / 5
043	2			2																														2.5 / 5
044	2			~~2~~	9115883586																													2.5 / 5
045	2																																	2.5 / 5
046																																		2.5 / 5
047															9115883586																			2.5 / 5
048																																		2.5 / 5

Page 2 of 3

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40268156

40268156

Client Name: TRC

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

Tracking #: _____

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 - 109 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 1.0 /Corr: 1.0

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

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
Date: 9/15/23 Initials: SC

Labeled By Initials: MP

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
Correct Type: (Pace Green Bay) Pace IR, Non-Pace		
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC. -Includes date/time/ID/Analysis Matrix: W, SL	☑Yes (☒No) ☐N/A	12. 001 "11:10" 9/15/23 MP
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Report Prepared for:

Tod Noltemeyer
PACE Wisconsin
6409 Odana Road
Madison WI 53719

REPORT OF LABORATORY ANALYSIS FOR PCBs

Report Information:

Pace Project #: 10669309
Sample Receipt Date: 09/19/2023
Client Project #: 40268156 TRC - MADISON
Client Sub PO #: N/A
State Cert #: N/A

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCB Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Scott Unze, your Pace Project Manager.

This report has been reviewed by:

October 18, 2023

Scott Unze, Project Manager
(612) 607-6383
(612) 607-6444 (fax)
scott.unze@pacelabs.com

Report Prepared Date:
October 17, 2023

Report of Laboratory Analysis

Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

DISCUSSION

This report presents the results from the analyses performed on seven of eighteen samples submitted by a representative of Pace Analytical Services, Inc. The samples were analyzed for the presence or absence of selected polychlorinated biphenyl (PCB) congeners using USEPA Method 1668C. Reporting limits were based on the the statistically derived MDLs and adjusted for the amount of sample extracted. Levels below the calibration range flagged "J" as estimated concentrations. Results based on the the quantitation limits were also included (as Additional Results). For the MDL based data set, the "A" flags for reporting limits determined based on the signal to noise ratio were removed per client request. The remaining samples were reported separately.

All of the isotopically-labeled PCB internal standards in the sample extracts were recovered within the target ranges specified in the method. Since the quantification of the native PCB congeners was based on internal standard and isotope dilution methodology, the data were automatically corrected for variation in recovery and accurate values were obtained. Incorrect isotope ratios were obtained for selected PCB congeners. The affected congeners were flagged "I" on the results tables. Any associated target analyte detections were provided under the estimated maximum possible concentration (EMPC) column on the results table.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show the blank to be free of PCB congeners to the quantitation limits. However, trace levels of PCB congeners #3 and #95 were present in the method blank between tne method detection limits and quantitation limits. These levels were above the Wisconsin target levels. However, since the flagged sample results were below the quantitation limits the results were accepted. In several cases, the sample extracts contained similar levels of PCB congeners #3 and #95, which may have originated in the laboratory. Congeners present at similar levels in both the method blank and sample extracts were flagged "B" on the sample results tables.

Laboratory spike samples were also prepared with each sample batch using reference material that had been fortified with native standards. The results show that the spiked native compounds were recovered at 88-122%, with relative percent differences of 0.0-9.1%. These values were within method limits. Matrix spikes were not prepared with the sample batches.

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
		Missouri	10100
A2LA	2926.01	Montana	CERT0092
Alabama	40770	Nebraska	NE-OS-18-06
Alaska-DW	MN00064	Nevada	MN00064
Alaska-UST	17-009	New Hampshire	2081
Arizona	AZ0014	New Jersey	MN002
Arkansas - WW	88-0680	New York	11647
Arkansas-DW	MN00064	North Carolina-	27700
California	2929	North Carolina-	530
Colorado	MN00064	North Dakota	R-036
Connecticut	PH-0256	Ohio-DW	41244
Florida	E87605	Ohio-VAP (170	CL101
Georgia	959	Ohio-VAP (180	CL110
Hawaii	MN00064	Oklahoma	9507
Idaho	MN00064	Oregon-Primary	MN300001
Illinois	200011	Oregon-Second	MN200001
Indiana	C-MN-01	Pennsylvania	68-00563
Iowa	368	Puerto Rico	MN00064
Kansas	E-10167	South Carolina	74003
Kentucky-DW	90062	Tennessee	TN02818
Kentucky-WW	90062	Texas	T104704192
Louisiana-DEQ	AI-84596	Utah	MN00064
Louisiana-DW	MN00064	Vermont	VT-027053137
Maine	MN00064	Virginia	460163
Maryland	322	Washington	C486
Michigan	9909	West Virginia-D	382
Minnesota	027-053-137	West Virginia-D	9952C
Minnesota-Ag	via MN 027-053	Wisconsin	999407970
Minnesota-Petr	1240	Wyoming-UST	via A2LA 2926.
Mississippi	MN00064		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Appendix A

Sample Management

Internal Transfer Chain of Custody

[x] Samples Pre-Logged into eCOC.

State Of Origin: WI
Cert. Needed: [x] Yes [ ] No

Workorder: 40268156 **Workorder Name:** HARP-320928
Owner Received Date: 9/15/2023 **Results Requested By:** 10/2/2023

Report To

Tod Noltemeyer
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302
Phone (920)469-2436

Subcontract To

Pace Analytical Minnesota
1700 Elm Street SE
Suite 200
Minneapolis, MN 55414
Phone (612)607-1700

Requested Analysis

WO# : 10669309

10669309

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						1668 PCB Congeners - Full List												LAB USE ONLY
1	MR SW S11R	PS	9/13/2023 18:10	40268156028	Water	1						X												001
2	MR SW S12R	PS	9/13/2023 17:00	40268156029	Water	1						X												002
3	MR SW S13R	PS	9/13/2023 16:00	40268156030	Water	1						X												003
4	MR SW 010L	PS	9/13/2023 19:00	40268156031	Water	1						X												004
5	MR SW DUP 01	PS	9/13/2023 00:00	40268156032	Water	1						X												005
6	MR SW EB01	PS	9/13/2023 15:45	40268156033	Water	1						X												006
7	MR SW FB 01	PS	9/13/2023 19:30	40268156034	Water	1						X												007
8	NR-SW-BKG1R-20239	PS	9/14/2023 13:20	40268156035	Water	1						X												008
9	NR-SW-BKG2C-20239	PS	9/14/2023 18:50	40268156036	Water	1						X												009
10	NR-SW-OU1R-20239	PS	9/14/2023 18:00	40268156037	Water	1						X												010
11	NR-SW-OU2R-20239	PS	9/14/2023 17:00	40268156038	Water	1						X												011
12	NR-SW-OU3L-20239	PS	9/14/2023 15:50	40268156039	Water	1						X												012
13	NR-SW-OU4L-20239	PS	9/14/2023 14:20	40268156040	Water	1						X												013
14	NR-SW-DS1R-20239	PS	9/14/2023 12:25	40268156041	Water	1						X												014
15	NR-SW-DS2C-20239	PS	9/14/2023 11:10	40268156042	Water	1						X												015
16	NR-SW-DUP1-20239	PS	9/14/2023 00:00	40268156043	Water	1						X												016
17	NR-SW-EB1-20239	PS	9/14/2023 10:55	40268156044	Water	1						X												017
18	NR-SW-FB1-20239	PS	9/14/2023 11:05	40268156045	Water	1						X												018

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	[illegible]	9/18/23 16:0	David Pace	9/19/23	1668 Version C 1615
2					
3					

Cooler Temperature on Receipt 2.0, 1.4 °C T4 Custody Seal (Y) or N | Received on Ice (Y) or N | Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

Report No.....1066309_1668C_L2_dfr

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 402 C68156

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same
Address: 230 West Monroe St, Suite 1040 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address: HARP
Customer Project Name/Number: HARP-320928	State: WI County/City: Chilton Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: 312-909-0043 Email: charvey@trccompanies.com	Site/Facility ID #: BW Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Ben Wachholz	Purchase Order #: 200599 Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): Ben Wachholz	Turnaround Date Required: standard Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type **: U

** 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 Project Manager:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: PCBs	Lab Profile/Line
MR OB 016L 0-6	SL	G	9/13/23	11:15				1	X	001
MR OB DUP 01	SL	G	9/13/23	~~11:25~~	BW			1	X	002
MR SCR 512R A/AW	SL	G	9/13/23	11:20				1	X	003
MR SCR 512R B/AW	SL	G	9/13/23	11:23				1	X	004
MR SCR REP 02	SL	G	9/13/23	-				1	X	005
MR SCR 512R C/AW	SL	G	9/13/23	11:28				1	X	006
MR SCR 512R D/AW	SL	G	9/13/23	11:30				1	X	007
MR SCR DUP 01	SL	G	9/13/23	-				1	X	008
MR OB 524R 0-6	SL	G	9/13/23	12:20				1	X	009
MR OB DUP 02	SL	G	9/13/23	-				1	X	010

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature 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 Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY: Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909230

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/15/23 9:30	Pace	9/15/23 1220
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Pace	9/15/23 1415		9/15/23 1415
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: of:

Report No.....1066309_1668C_L2_dfr

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 462681B6

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same as
Address: 230 West Monroe St. Suite 1840 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address:
Customer Project Name/Number: HARP-320928	State: WI / County/City: Chilton / Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: 312-909-2043 / Email: charvey@trccompanies.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Ben Wachholz	Purchase Order #: 200599 / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature): Ben Wachholz	Turnaround Date Required: standard / Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [ ] No / Analysis:

Container Preservative Type **

Lab Project Manager:

** 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 _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: PCB	Lab Profile/Line: Lab Sample # / Comments:
MR PBS 012L B/AW	SL	G	9/13/23	20:40				1	X	HOLD 011
MR PBS 012L A/AW	SL	G	9/13/23	20:42				1	X	012
MR PBS 511R B/AW	SL	G	9/13/23	21:00				1	X	HOLD 013
MR PBS 511R A/AW	SL	G	9/13/23	21:01				1	X	014
MR PBS REP 02	SL	G	9/13/23					1	X	015
MR PBS 010L B/AW	SL	G	9/13/23	21:16				1	X	HOLD 016
MR PBS 010L A/AW	SL	G	9/13/23	21:17				1	X	017
								7 Bad		

Lab Profile/Line: Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature 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 Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY: Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: 1

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909233

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/15/23 9:30	Pace	9/15/23 1220
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Pace	9/15/23 1415		9/15/23 1415
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: ___ of: ___

Report No.....1066309_1668C_L2_dfr

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 402e81156

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same
Address: 230 West Monroe St. Suite 1040	
Report To: Chris Harvey	Email To: charvey@trccompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address: HARP
Customer Project Name/Number: HARP - 320928	State: WI County/City: Chilton Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: 312-909-6043 Email: charvey@trccompanies.com	Site/Facility ID #:
Collected By (print): Ben Wachholz	Purchase Order #: 206599 Quote #:
Collected By (signature): Ben Wachholz	Turnaround Date Required: Standard
Sample Disposal: [ ]Dispose as appropriate [ ]Return [ ]Archive: [ ]Hold:	Rush: [ ]Same Day [ ]Next Day [ ]2 Day [ ]3 Day [ ]4 Day [ ]5 Day (Expedite Charges Apply)

Compliance Monitoring? [ ]Yes [ ]No

DW PWS ID #: DW Location Code:

Immediately Packed on Ice: [X]Yes [ ]No

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

Container Preservative Type **: U

Lab Project Manager:

** 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

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: PCBs	Lab Sample # / Comments
MR SCR 011L A/AW	SL	G	9/13/23	12:27				1	X	018
MR SCR 011L B/AW	SL	G	9/13/23	12:30				1	X	019
MR SCR 011L C/AW	SL	G	9/13/23	12:32				1	X	020
MR SCR DUP 02	SL	G	9/13/23	-				1	X	021
MR SCR 011L D/AW	SL	G	9/13/23	12:34				1	X	022
MR SCR 510R B/AW	SL	G	9/13/23	13:17				1	X	023
MR SCR REP 03	SL	G	9/13/23	-				1	X	024
MR SCR DUP 03	SL	G	9/13/23	-				1	X	025
MR SCR EB 02	W	G	9/13/23	-				2	X	026
MR IC ~~DREDGE EB~~ 01	W	G	9/13/23	-				2	X	027

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: 1

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909231

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/15/23 9:30	Pace	9/15/23 1220
Relinquished by/Company: (Signature) Pace	9/15/23 1415	Received by/Company: (Signature) Pace	9/15/23 1415
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template: 1
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: of:

Report No.....1066309_1668C_L2_dfr

Report No.....1066309_1668C_L2_dfr

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-In Number Here

40268156

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: same as
Address: 230 West Monroe St. Suite 1840 Chicago, IL 60606	
Report To: Chris Harvey	Email To: charvey@trcompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address: HARP
Customer Project Name/Number: HARP - 320928	State: WI County/City: Chilton Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: 312-909-0043 Email: charvey@trcompanies.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Maddie Harvey	Purchase Order #: 200599 Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Standard Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [X] Yes [ ] No Analysis: DOC

Container Preservative Type **: U 2 2 4

** 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 Project Manager:

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature 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 Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PCB congeners	TOC	DOC	TSS	Lab Sample # / Comments
MR SW S11R	W	G	9/13/23	1810	—	—		5	X	X	X	X	028
MR SW S12R	W		9/13/23	1700	—	—		5	X	X	X	X	029
MR SW S13R	W		9/13/23	1600	—	—		5	X	X	X	X	030
MR SW 010L	W		9/13/23	1900	—	—		5	X	X	X	X	031
MR SW DUP01	W		9/13/23	—	—	—		5	X	X	X	X	032
MR SW EB01	W		9/13/23	1545	—	—		2	X				033
MR SW FB01	W		9/13/23	1930	—	—		2	X				034

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue (Dry) None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909232

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/15/23 9:30	Pace	9/15/23 1220
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Pace	9/15/23 1415		9/15/23 1415
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: ____ of: ____

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-In Number Here

402681516

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: Same
Address: 230 West Monroe St, STE 1840 Chicago, IL 60606	
Report To: Chris Haney	Email To: CHaney@TRCcompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address: HARP
Customer Project Name/Number: HARP 320928 471202	State: WI County/City: Chilton Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: 312-909-6043 Email: CHaney@TRCcompanies.com	Site/Facility ID #: 268599 (FID) Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Tom W. Perkins	Purchase Order #: 200601 Quote #: 268599 (RB) DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Standard Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [X] Yes [X] No Analysis: DOC

Container Preservative Type **: U 2 2 4

** 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 Project Manager:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), 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	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: PCB Congeners	TOC	DOC	TSS	Lab Profile/Line:
NR-SW-BKG1R-20239	WW	G	9/14/23	1320	—	—			X	X	X	X	035
NR-SW-BKG2C-20239				1850	—	—		5	X	X	X	X	036
NR-SW-OU1R-20239				1800	—	—		5	X	X	X	X	037
NR-SW-OU2R-20239				1700	—	—		5	X	X	X	X	038
NR-SW-OU3L-20239				1550	—	—		5	X	X	X	X	039
NR-SW-OU4L-20239				1420	—	—		5	X	X	X	X	040
NR-SW-DS1R-20239				1225	—	—		5	X	X	X	X	041
NR-SW-DS2C-20239				1110	—	—		5	X	X	X	X	042
NR-SW-DUP1-20239				—	—	—		5	X	X	X	X	043
NR-SW-EB-EB1-20239				1055	—	—		2	X				044

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: (1)

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909435

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/15/23 9:30	Pace	9/15/23 1220
Pace	9/15/23 1415		9/15/23 1415

MTJL LAB USE ONLY
Table #:
Acctnum:
Template: (V)
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

Report No....1066309_1668C_L2_dfr

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-In Number Here

40268156

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: Same
Address: 230 West Monroe St, Ste 1840 Chicago, IL 60606	
Report To: Chris Harvey	Email To: CHarvey@TRCcompanies.com
Copy To: Ben Wachholz	Site Collection Info/Address: HARP
Customer Project Name/Number: HARP - 320928 471202	State: WI County/City: Clinton Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: 312-909-6013 Email: CHarvey@TRCcompanies.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Tom Perks	Purchase Order #: 200601 Quote #: 200899 DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Standard Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): ~~[ ] Yes~~ [X] No Analysis:

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

Container Preservative Type **: V

** 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 Project Manager:

Analyses: PCBS

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Lab Profile/Line:
NA-SW-FB1-20239		G	9/14/23	1105	-	-		2	045

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature 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 Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue ~~Dry~~ None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2909436

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ben Wachholz (TRC)	9/15/23 9:30	pace	9/15/23 1220
pace	9/15/23 1415		9/15/23 1415
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: of:

Page 33 of 155

Page 12 of 134

Client Name: TRC

Sample Preservation Receipt Form

Project # 402688156

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

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

Pace Lab #	Glass: AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	Plastic: BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	Vials: VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	JG9U	WGFU	WPFU	General: SP5T	ZPLC	GN 1	GN 2	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
002																																		2.5 / 5
003																																		2.5 / 5
004																																		2.5 / 5
005																																		2.5 / 5
006																																		2.5 / 5
007																																		2.5 / 5
008																																		2.5 / 5
009																																		2.5 / 5
010																																		2.5 / 5
011																																		2.5 / 5
012																																		2.5 / 5
013																																		2.5 / 5
014																																		2.5 / 5
015																																		2.5 / 5
016																																		2.5 / 5
017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

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
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4
BP2Z	500 mL plastic NaOH + Zn

VG9C	40 mL clear ascorbic w/ HCl
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN 1	
GN 2	

Client Name: TRC

Sample Preservation Receipt Form

Project #: 402681561

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
021																																		2.5 / 5
022																																		2.5 / 5
023																																		2.5 / 5
024																																		2.5 / 5
025																																		2.5 / 5
026	2																																	2.5 / 5
027	2																																	2.5 / 5
028	2			2																														2.5 / 5
029	2			2																														2.5 / 5
030	2			2																														2.5 / 5
031	2			2																														2.5 / 5
032	2			2																														2.5 / 5
033	2																																	2.5 / 5
034	2																																	2.5 / 5
035	2			2																														2.5 / 5
036	2			2																														2.5 / 5
037	2			2																														2.5 / 5
038	2			2																														2.5 / 5
039	2			2																														2.5 / 5
040	2			2																														2.5 / 5
041	2			2																														2.5 / 5
042	2			2																														2.5 / 5
043	2			2																														2.5 / 5
044	2			~~2~~ 1	9/15/23	86																													2.5 / 5
045	2																																	2.5 / 5
046																																		2.5 / 5
047																																		2.5 / 5
048																																		2.5 / 5

9/15/23 86

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Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40268156

40268156

Client Name: TRC

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

Tracking #: _____

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 - 109 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 1.0 /Corr: 1.0

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

Person examining contents:
Date: 9/15/23 Initials: SC
Labeled By Initials: MP

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
Correct Type: (Pace Green Bay,) Pace IR, Non-Pace		
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC. -Includes date/time/ID/Analysis Matrix: WD, SL	☑Yes (☒No) ☐N/A	12. 001 "11:10" 9/15/23 MP
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

Page 3 of 3

Sample Condition Upon Receipt

Client Name: PACE Green Bay

Project #: **WO#: 10669309**

PM: SCU **Due Date: 10/11/23**
CLIENT: PASI-WI

Courier: ☐ FedEx ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☑ Commercial

Tracking Number: Cooler #1 ☑ See Exceptions ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☐ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☑ Other PB **Temp Blank?** ☑ Yes ☐ No

Thermometer: ☐ T1 (0461) ☑ T2 (0436) ☐ T3 (0459) ☑ T4 (0402) ☐ T5 (0178) ☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0778) ☐ T9(0727) ☐ 01339252/1710

Type of Ice: ☐ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

Did Samples Originate in West Virginia? ☐ Yes ☑ No **Were All Container Temps Taken?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6 °C

Cooler temp Read w/Temp Blank: 2.0 °C

Correction Factor: 0.0 **Cooler Temp Corrected w/temp blank:** 2.0 °C

Average Corrected Temp (no temp blank only): _____ °C
☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: ☐ N/A, water sample/other: _____)

Date/Initials of Person Examining Contents: CL2 9/20/23

Did samples originate in a quarantine zone within the United States: AL, AR, AZ CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

Location (Check one): ☐ Duluth ☑ Minneapolis ☐ Virginia				**COMMENTS**
Chain of Custody Present and Filled Out?	☑ Yes	☐ No		1.
Chain of Custody Relinquished?	☑ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☐ Yes	☐ No	☑ N/A	3.
Samples Arrived within Hold Time?	☑ Yes	☐ No		4. If fecal: ☐ <8 hrs ☐ >8 hr, <24 ☐ No
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E.coli ☐ BOD/cBOD ☐ Hex Chrom ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other _____
Rush Turn Around Time Requested?	☐ Yes	☑ No		6.
Sufficient Sample Volume?	☑ Yes	☐ No		7.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	8.
-Pace Containers Used?	☑ Yes	☐ No		
Containers Intact?	☑ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC?	☑ Yes	☐ No		11. **If no, write ID/Date/Time of container below:** ☐ See Exceptions ENV-FRM-MIN4-0142
Matrix: ☑ Water ☐ Soil ☐ Oil ☐ Other				
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☐ Yes	☐ No	☑ N/A	☐ NaOH ☐ HNO3 ☐ H2SO4 ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxins/PFAS (*If adding preservative to a container, it must be added to associated field and equipment blanks--verify with PM first.)	☐ Yes	☐ No	☑ N/A	Positive for Residual Chlorine? ☐ Yes ☐ No ☐ See Exceptions ENV-FRM-MIN4-0142
				pH Paper Lot #
				Residual Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
Headspace in Methyl Mercury Container?	☐ Yes	☐ No	☑ N/A	13.
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☑ N/A	14. ☐ See Exceptions ENV-FRM-MIN4-0142
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☐ No	☑ N/A	
3 Trip Blanks Present?	☐ Yes	☐ No	☑ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	Pace Trip Blank Lot # (if purchased): _____

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Carolynne Trout **Date:** 9/20/23

NOTE: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled By: CL2 **Line:** 3

Pace ANALYTICAL SERVICES	**DC#_Title: ENV-FRM-MIN4-0142 v02_Sample Condition Upon Receipt (SCUR) Exception Form**
	Effective Date: 09/22/2022

Workorder #: _____

No Temp Blank		
Read Temp	**Corrected Temp**	**Average temp**

PM Notified of Out of Temp Cooler? ☐ Yes ☐ No

If yes, indicate who was contacted, date and time.
If no, indicate reason why.

_____

Multiple Cooler Project? ☐ Yes ☐ No

If anything is OVER 6.0° C, you MUST document containers in this section HERE

Tracking Number	Temperature
Cooler #2	1.4

Out of Temp Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples

Sample ID	Type Of Preserve	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance After Addition?		Initials
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	

Comments:

_____

_____

_____

Qualtrax ID: 52763

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Reporting Flags

A = Reporting Limit based on signal to noise (EDL)

B = Less than 10x higher than method blank level

C = Result obtained from confirmation analysis

D = Result obtained from analysis of diluted sample

E = Exceeds calibration range

H2 = Extracted outside of holding time

I = Isotope ratio out of specification

J = Estimated value

L = Suppressive interference, analyte may be biased low

Nn = Value obtained from additional analysis

P = PCDE Interference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %D Exceeds limits

Y = Calculated using average of daily RFs

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	MR SW S11R		
Lab Sample ID	40268156028		
Filename	Y231007B_04		
Injected By	BAL		
Total Amount Extracted	1050 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/13/2023 18:10
ICAL ID	Y231007B02	Received	09/19/2023 16:15
CCal Filename(s)	Y231007B_01	Extracted	09/27/2023 14:30
Method Blank ID	BLANK-108511	Analyzed	10/08/2023 04:33

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.917	3.06	2.0	1.30	65
13C-4-MoCB	3	13.708	3.09	2.0	1.52	76
13C-2,2'-DiCB	4	14.008	1.63	2.0	1.25	63
13C-4,4'-DiCB	15	21.086	1.57	2.0	1.83	91
13C-2,2',6-TrCB	19	17.827	1.08	2.0	1.38	69
13C-3,4,4'-TrCB	37	28.842	1.05	2.0	1.85	92
13C-2,2',6,6'-TeCB	54	21.431	0.80	2.0	1.58	79
13C-3,4,4',5-TeCB	81	35.973	0.78	2.0	1.95	98
13C-3,3',4,4'-TeCB	77	36.543	0.79	2.0	2.01	101
13C-2,2',4,6,6'-PeCB	104	27.535	1.65	2.0	1.58	79
13C-2,3,3',4,4'-PeCB	105	40.153	1.61	2.0	1.88	94
13C-2,3,4,4',5-PeCB	114	39.499	1.62	2.0	1.91	96
13C-2,3',4,4',5-PeCB	118	38.946	1.59	2.0	1.93	96
13C-2,3',4,4',5'-PeCB	123	38.611	1.55	2.0	1.90	95
13C-3,3',4,4',5-PeCB	126	43.305	1.61	2.0	2.05	103
13C-2,2',4,4',6,6'-HxCB	155	33.576	1.33	2.0	1.50	75
13C-HxCB(156/157)	156/157	46.379	1.28	4.0	3.57	89
13C-2,3',4,4',5,5'-HxCB	167	45.205	1.27	2.0	1.81	90
13C-3,3',4,4',5,5'-HxCB	169	49.665	1.28	2.0	1.96	98
13C-2,2',3,4',5,6,6'-HpCB	188	39.482	1.01	2.0	1.43	72
13C-2,3,3',4,4',5,5'-HpCB	189	52.214	1.08	2.0	1.72	86
13C-2,2',3,3',5,5',6,6'-OcCB	202	44.953	0.90	2.0	1.44	72
13C-2,3,3',4,4',5,5',6-OcCB	205	54.800	0.89	2.0	1.68	84
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.546	0.81	2.0	1.55	78
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.740	0.80	2.0	1.60	80
13C-DeCB	209	58.205	0.72	2.0	1.47	73
CleanupStandards						
13C-2,4,4'-TrCB	28	24.500	1.06	2.0	1.73	87
13C-2,3,3',5,5'-PeCB	111	36.577	1.60	2.0	1.55	78
13C-2,2',3,3',5,5',6-HpCB	178	42.584	1.03	2.0	1.48	74
Recovery Standards						
13C-2,5-DiCB	9	16.462	1.57	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	26.478	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.794	1.60	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	42.132	1.28	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	54.326	0.91	2.0	NA	NA

Conc = Concentration
EML =Method Specified Reporting Limit (1668C)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668C control limits
Nn = Value obtained from additional analyses

ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference
ng's = Nanograms

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S11R
Lab Sample ID	40268156028
Filename	Y231007B_04

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
1		10.941	3.07	0.0578		---	0.00533
2		13.493	2.73	0.00575	J	---	0.00485
3		13.732	2.38	---	IJ	0.00742	0.00420
4		14.032	1.51	0.204		---	0.00718
5		---	---	ND		---	0.00175
6		16.965	1.55	0.109		---	0.00896
7		16.690	1.46	0.0248	J	---	0.00888
8		17.492	1.48	0.0381	J	---	0.0117
9		16.486	1.53	0.0276	J	---	0.00235
10		14.248	1.47	0.00360	J	---	0.00279
11		---	---	ND		---	0.139
12	12/13	20.799	1.20	---	IJ	0.00620	0.00502
13	12/13	20.799	1.20	---	IJ	(0.00620)	0.00502
14		---	---	ND		---	0.00167
15		21.122	1.53	0.0138	J	---	0.00577
16		21.062	1.00	0.0119	J	---	0.00588
17		20.535	1.05	0.118		---	0.00493
18	18/30	20.044	1.08	0.0970		---	0.0109
19		17.851	1.08	0.0895		---	0.00796
20	20/28	24.533	1.06	0.203		---	0.0174
21	21/33	24.785	1.07	0.0591	J	---	0.0125
22		25.221	1.05	0.0166	J	---	0.00724
23		23.242	1.20	0.00173	J	---	0.00152
24		---	---	ND		---	0.00183
25		23.846	1.05	0.181		---	0.00273
26	26/29	23.578	1.05	0.318		---	0.00437
27		20.775	1.02	0.0193	J	---	0.00193
28	20/28	24.533	1.06	(0.203)		---	0.0174
29	26/29	23.578	1.05	(0.318)		---	0.00437
30	18/30	20.044	1.08	(0.0970)		---	0.0109
31		24.181	1.01	0.0974	J	---	0.0168
32		21.649	1.00	0.0617		---	0.00699
33	21/33	24.785	1.07	(0.0591)	J	---	0.0125
34		23.075	1.00	0.0176	J	---	0.00155
35		---	---	ND		---	0.00306
36		---	---	ND		---	0.00193
37		28.859	0.91	0.0148	J	---	0.00403
38		---	---	ND		---	0.00142
39		---	---	ND		---	0.00157
40	40/41/71	28.691	0.77	0.204		---	0.00775
41	40/41/71	28.691	0.77	(0.204)		---	0.00775
42		28.155	0.79	0.151		---	0.00420
43	43/73	26.680	0.80	0.0302	J	---	0.00374
44	44/47/65	27.652	0.79	0.724		---	0.0178
45	45/51	24.718	0.79	0.0987		---	0.00550
46		24.952	0.78	0.0521		---	0.00218
47	44/47/65	27.652	0.79	(0.724)		---	0.0178
48		27.333	0.72	0.00795	J	---	0.00279

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S11R
Lab Sample ID	40268156028
Filename	Y231007B_04

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
49	49/69	27.048	0.79	1.02		---	0.00646
50	50/53	23.863	0.82	0.230		---	0.00363
51	45/51	24.718	0.79	(0.0987)		---	0.00550
52		26.512	0.78	1.35		---	0.0159
53	50/53	23.863	0.82	(0.230)		---	0.00363
54		21.448	0.79	0.0127	J	---	0.00154
55		---	---	ND		---	0.00206
56		32.687	0.76	0.0356	J	---	0.00968
57		30.558	0.80	0.0342	J	---	0.00144
58		30.843	0.77	0.00825	J	---	0.00182
59	59/62/75	28.004	0.83	0.0374	J	---	0.00397
60		32.905	0.98	---	IJ	0.00413	0.00328
61	61/70/74/76	31.614	0.81	0.248		---	0.0307
62	59/62/75	28.004	0.83	(0.0374)	J	---	0.00397
63		31.295	0.86	0.0279	J	---	0.00167
64		28.926	0.78	0.0845		---	0.00537
65	44/47/65	27.652	0.79	(0.724)		---	0.0178
66		31.983	0.81	0.212		---	0.0210
67		31.010	0.80	0.0218	J	---	0.00216
68		30.122	0.77	0.0300	J	---	0.00241
69	49/69	27.048	0.79	(1.02)		---	0.00646
70	61/70/74/76	31.614	0.81	(0.248)		---	0.0307
71	40/41/71	28.691	0.77	(0.204)		---	0.00775
72		29.803	0.79	0.0403		---	0.00169
73	43/73	26.680	0.80	(0.0302)	J	---	0.00374
74	61/70/74/76	31.614	0.81	(0.248)		---	0.0307
75	59/62/75	28.004	0.83	(0.0374)	J	---	0.00397
76	61/70/74/76	31.614	0.81	(0.248)		---	0.0307
77		36.560	0.71	0.0142	J	---	0.00254
78		---	---	ND		---	0.00222
79		34.951	0.87	0.00810	J	---	0.00223
80		---	---	ND		---	0.00204
81		---	---	ND		---	0.00171
82		36.208	1.36	0.0346	J	---	0.00246
83		34.297	1.49	0.0731		---	0.00229
84		31.849	1.58	0.186		---	0.0127
85	85/116/117	35.705	1.52	0.107	J	---	0.00498
86	86/87/97/108/119/125	34.951	1.55	0.388		---	0.0146
87	86/87/97/108/119/125	34.951	1.55	(0.388)		---	0.0146
88	88/91	31.631	1.59	0.204		---	0.00474
89		32.352	1.32	0.00477	J	---	0.00300
90	90/101/113	33.810	1.60	0.733		---	0.0115
91	88/91	31.631	1.59	(0.204)		---	0.00474
92		33.190	1.59	0.336		---	0.00376
93	93/98/100/102	31.111	1.62	0.0721	J	---	0.00542
94		30.222	1.60	0.0233	J	---	0.00181
95		30.708	1.56	0.630		---	0.00835
96		27.920	1.53	0.00859	J	---	0.00302

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REPORT OF LABORATORY ANALYSIS

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S11R
Lab Sample ID	40268156028
Filename	Y231007B_04

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
97	86/87/97/108/119/125	34.951	1.55	(0.388)		---	0.0146
98	93/98/100/102	31.111	1.62	(0.0721)	J	---	0.00542
99		34.431	1.54	0.384		---	0.00567
100	93/98/100/102	31.111	1.62	(0.0721)	J	---	0.00542
101	90/101/113	33.810	1.60	(0.733)		---	0.0115
102	93/98/100/102	31.111	1.62	(0.0721)	J	---	0.00542
103		30.021	1.68	0.0279	J	---	0.00188
104		---	---	ND		---	0.00146
105		40.170	1.54	0.135		---	0.00544
106		---	---	ND		---	0.00171
107	107/124	38.242	1.63	0.0163	J	---	0.00252
108	86/87/97/108/119/125	34.951	1.55	(0.388)		---	0.0146
109		38.510	1.55	0.0694		---	0.00191
110	110/115	35.873	1.57	1.08		---	0.0124
111		36.627	1.47	0.00311	J	---	0.00197
112		---	---	ND		---	0.00170
113	90/101/113	33.810	1.60	(0.733)		---	0.0115
114		39.533	1.44	0.00495	J	---	0.00220
115	110/115	35.873	1.57	(1.08)		---	0.0124
116	85/116/117	35.705	1.52	(0.107)	J	---	0.00498
117	85/116/117	35.705	1.52	(0.107)	J	---	0.00498
118		38.979	1.62	0.563		---	0.00859
119	86/87/97/108/119/125	34.951	1.55	(0.388)		---	0.0146
120		37.080	1.47	0.00870	J	---	0.00163
121		---	---	ND		---	0.00125
122		39.298	1.60	0.00513	J	---	0.00187
123		38.627	1.69	0.00921	J	---	0.00212
124	107/124	38.242	1.63	(0.0163)	J	---	0.00252
125	86/87/97/108/119/125	34.951	1.55	(0.388)		---	0.0146
126		---	---	ND		---	0.00214
127		---	---	ND		---	0.00128
128	128/166	43.456	1.22	0.119		---	0.00418
129	129/138/163	42.165	1.23	0.707		---	0.0105
130		41.511	1.25	0.0605		---	0.00210
131		38.627	1.11	0.00892	J	---	0.00271
132		39.080	1.27	0.256		---	0.00395
133		39.600	1.13	0.0231	J	---	0.00256
134	134/143	37.990	1.37	0.0522	J	---	0.00384
135	135/151	36.845	1.31	0.252		---	0.00498
136		34.330	1.21	0.0895		---	0.00275
137		41.729	1.30	0.0309	J	---	0.00246
138	129/138/163	42.165	1.23	(0.707)		---	0.0105
139	139/140	38.410	1.11	0.0167	J	---	0.00422
140	139/140	38.410	1.11	(0.0167)	J	---	0.00422
141		41.075	1.17	0.0639		---	0.00237
142		---	---	ND		---	0.00185
143	134/143	37.990	1.37	(0.0522)	J	---	0.00384
144		37.415	1.24	0.0176	J	---	0.00201

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S11R
Lab Sample ID	40268156028
Filename	Y231007B_04

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
145		---	---	ND		---	0.00193
146		40.254	1.19	0.118		---	0.00244
147	147/149	37.789	1.24	0.554		---	0.00863
148		36.225	1.20	0.00377	J	---	0.00225
149	147/149	37.789	1.24	(0.554)		---	0.00863
150		33.978	1.41	0.00315	J	---	0.00125
151	135/151	36.845	1.31	(0.252)		---	0.00498
152		---	---	ND		---	0.00204
153	153/168	40.891	1.25	0.479		---	0.00741
154		37.097	1.31	0.0190	J	---	0.00169
155		---	---	ND		---	0.00148
156	156/157	46.379	1.24	0.0845		---	0.00428
157	156/157	46.379	1.24	(0.0845)		---	0.00428
158		42.584	1.25	0.0539		---	0.00248
159		---	---	ND		---	0.00269
160		---	---	ND		---	0.00248
161		---	---	ND		---	0.00179
162		---	---	ND		---	0.00223
163	129/138/163	42.165	1.23	(0.707)		---	0.0105
164		41.847	1.30	0.0426		---	0.00233
165		40.002	1.29	0.00222	J	---	0.00199
166	128/166	43.456	1.22	(0.119)		---	0.00418
167		45.238	1.23	0.0271	J	---	0.00206
168	153/168	40.891	1.25	(0.479)		---	0.00741
169		---	---	ND		---	0.00154
170		49.078	1.00	0.0797		---	0.00477
171	171/173	45.507	1.09	0.0278	J	---	0.00584
172		47.150	0.95	0.0155	J	---	0.0135
173	171/173	45.507	1.09	(0.0278)	J	---	0.00584
174		44.417	0.95	0.0588		---	0.00307
175		43.289	0.84	---	IJ	0.00361	0.00146
176		40.757	0.95	0.0105	J	---	0.00216
177		44.853	1.13	0.0538		---	0.00323
178		42.618	1.09	0.0238	J	---	0.00218
179		39.851	0.98	0.0356	J	---	0.00233
180	180/193	47.804	1.07	0.124		---	0.00552
181		---	---	ND		---	0.00264
182		---	---	ND		---	0.00248
183	183/185	44.182	1.08	0.0424	J	---	0.00546
184		---	---	ND		---	0.00201
185	183/185	44.182	1.08	(0.0424)	J	---	0.00546
186		---	---	ND		---	0.00151
187		43.557	1.06	0.0994		---	0.00315
188		---	---	ND		---	0.00239
189		52.257	1.07	0.00496	J	---	0.00208
190		49.632	0.94	0.0160	J	---	0.00244
191		48.139	1.00	0.00282	J	---	0.00210
192		---	---	ND		---	0.00239

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S11R
Lab Sample ID	40268156028
Filename	Y231007B_04

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
193	180/193	47.804	1.07	(0.124)		---	0.00552
194		54.347	1.02	0.0228	J	---	0.00180
195		51.998	0.84	0.00947	J	---	0.00166
196		50.470	0.84	0.0115	J	---	0.00168
197	197/200	46.949	0.96	0.00467	J	---	0.00455
198	198/199	49.782	1.10	---	IJ	0.0246	0.00273
199	198/199	49.782	1.10	---	IJ	(0.0246)	0.00273
200	197/200	46.949	0.96	(0.00467)	J	---	0.00455
201		45.959	0.89	0.00411	J	---	0.00139
202		44.970	0.94	0.00675	J	---	0.00223
203		50.671	0.95	0.0144	J	---	0.00175
204		---	---	ND		---	0.00162
205		---	---	ND		---	0.00191
206		56.567	0.86	0.00954	J	---	0.00370
207		---	---	ND		---	0.00222
208		---	---	ND		---	0.00216
209		---	---	ND		---	0.0166

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S11R
Lab Sample ID	40268156028
Filename	Y231007B_04

Congener Group	Concentration ng/L	
Total Monochloro Biphenyls	0.0635	J
Total Dichloro Biphenyls	0.421	J
Total Trichloro Biphenyls	1.31	J
Total Tetrachloro Biphenyls	4.68	J
Total Pentachloro Biphenyls	5.10	J
Total Hexachloro Biphenyls	3.08	J
Total Heptachloro Biphenyls	0.595	J
Total Octachloro Biphenyls	0.0737	J
Total Nonachloro Biphenyls	0.00954	J
DecachloroBiphenyls	ND	
Total PCBs	15.3	J

ND = Not Detected

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	MR SW S12R		
Lab Sample ID	40268156029		
Filename	Y231007B_05		
Injected By	BAL		
Total Amount Extracted	1040 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/13/2023 17:00
ICAL ID	Y231007B02	Received	09/19/2023 16:15
CCal Filename(s)	Y231007B_01	Extracted	09/27/2023 14:30
Method Blank ID	BLANK-108511	Analyzed	10/08/2023 05:35

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.797	3.06	2.0	1.38	69
13C-4-MoCB	3	13.624	3.03	2.0	1.58	79
13C-2,2'-DiCB	4	13.936	1.63	2.0	1.27	64
13C-4,4'-DiCB	15	21.050	1.55	2.0	1.90	95
13C-2,2',6-TrCB	19	17.779	1.10	2.0	1.47	73
13C-3,4,4'-TrCB	37	28.825	1.08	2.0	1.97	98
13C-2,2',6,6'-TeCB	54	21.398	0.80	2.0	1.62	81
13C-3,4,4',5-TeCB	81	35.956	0.79	2.0	2.04	102
13C-3,3',4,4'-TeCB	77	36.543	0.79	2.0	2.08	104
13C-2,2',4,6,6'-PeCB	104	27.517	1.65	2.0	1.62	81
13C-2,3,3',4,4'-PeCB	105	40.153	1.56	2.0	1.96	98
13C-2,3,4,4',5-PeCB	114	39.499	1.61	2.0	1.97	98
13C-2,3',4,4',5-PeCB	118	38.946	1.60	2.0	1.98	99
13C-2,3',4,4',5'-PeCB	123	38.610	1.59	2.0	1.96	98
13C-3,3',4,4',5-PeCB	126	43.305	1.61	2.0	2.09	104
13C-2,2',4,4',6,6'-HxCB	155	33.575	1.31	2.0	1.53	77
13C-HxCB(156/157)	156/157	46.379	1.24	4.0	3.64	91
13C-2,3',4,4',5,5'-HxCB	167	45.188	1.26	2.0	1.81	90
13C-3,3',4,4',5,5'-HxCB	169	49.648	1.27	2.0	2.05	102
13C-2,2',3,4',5,6,6'-HpCB	188	39.482	1.01	2.0	1.45	72
13C-2,3,3',4,4',5,5'-HpCB	189	52.192	1.08	2.0	1.77	89
13C-2,2',3,3',5,5',6,6'-OcCB	202	44.954	0.90	2.0	1.45	72
13C-2,3,3',4,4',5,5',6-OcCB	205	54.800	0.89	2.0	1.73	86
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.546	0.82	2.0	1.61	80
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.718	0.81	2.0	1.64	82
13C-DeCB	209	58.205	0.72	2.0	1.54	77
CleanupStandards						
13C-2,4,4'-TrCB	28	24.483	1.05	2.0	1.81	90
13C-2,3,3',5,5'-PeCB	111	36.576	1.61	2.0	1.63	81
13C-2,2',3,3',5,5',6-HpCB	178	42.584	1.02	2.0	1.55	77
Recovery Standards						
13C-2,5-DiCB	9	16.402	1.56	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	26.478	0.80	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.793	1.63	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	42.132	1.30	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	54.304	0.90	2.0	NA	NA

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S12R
Lab Sample ID	40268156029
Filename	Y231007B_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
1		10.821	2.86	0.0451		---	0.00534
2		13.421	2.08	---	IJ	0.00549	0.00486
3		13.636	1.92	---	IJ	0.00672	0.00421
4		13.948	1.62	0.174		---	0.00720
5		---	---	ND		---	0.00175
6		16.905	1.53	0.0955		---	0.00898
7		16.641	1.66	0.0218	J	---	0.00891
8		17.444	1.48	0.0382	J	---	0.0117
9		16.426	1.51	0.0230	J	---	0.00236
10		---	---	ND		---	0.00280
11		---	---	ND		---	0.139
12	12/13	---	---	ND		---	0.00504
13	12/13	---	---	ND		---	0.00504
14		---	---	ND		---	0.00168
15		21.086	1.70	0.0134	J	---	0.00578
16		21.014	1.10	0.0128	J	---	0.00590
17		20.499	1.07	0.106		---	0.00494
18	18/30	20.008	1.05	0.0863		---	0.0109
19		17.803	1.08	0.0836		---	0.00799
20	20/28	24.499	1.06	0.198		---	0.0174
21	21/33	24.768	1.10	0.0523	J	---	0.0126
22		25.187	1.10	0.0163	J	---	0.00726
23		---	---	ND		---	0.00152
24		---	---	ND		---	0.00183
25		23.829	1.05	0.159		---	0.00274
26	26/29	23.560	1.03	0.285		---	0.00439
27		20.726	1.13	0.0178	J	---	0.00193
28	20/28	24.499	1.06	(0.198)		---	0.0174
29	26/29	23.560	1.03	(0.285)		---	0.00439
30	18/30	20.008	1.05	(0.0863)		---	0.0109
31		24.164	1.00	0.0954	J	---	0.0169
32		21.616	1.06	0.0605		---	0.00701
33	21/33	24.768	1.10	(0.0523)	J	---	0.0126
34		23.058	1.19	0.0154	J	---	0.00156
35		---	---	ND		---	0.00306
36		---	---	ND		---	0.00193
37		28.842	1.04	0.0127	J	---	0.00404
38		---	---	ND		---	0.00142
39		---	---	ND		---	0.00157
40	40/41/71	28.691	0.77	0.205		---	0.00778
41	40/41/71	28.691	0.77	(0.205)		---	0.00778
42		28.138	0.75	0.147		---	0.00421
43	43/73	26.662	0.83	0.0282	J	---	0.00375
44	44/47/65	27.635	0.78	0.747		---	0.0179
45	45/51	24.701	0.80	0.103		---	0.00552
46		24.935	0.78	0.0556		---	0.00218
47	44/47/65	27.635	0.78	(0.747)		---	0.0179
48		27.350	0.72	0.00749	J	---	0.00280

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REPORT OF LABORATORY ANALYSIS

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Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S12R
Lab Sample ID	40268156029
Filename	Y231007B_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
49	49/69	27.031	0.80	0.996		---	0.00647
50	50/53	23.846	0.80	0.226		---	0.00364
51	45/51	24.701	0.80	(0.103)		---	0.00552
52		26.495	0.79	1.29		---	0.0159
53	50/53	23.846	0.80	(0.226)		---	0.00364
54		21.431	0.84	0.0151	J	---	0.00154
55		---	---	ND		---	0.00207
56		32.687	0.81	0.0381	J	---	0.00971
57		30.557	0.82	0.0343	J	---	0.00144
58		30.809	0.80	0.00846	J	---	0.00183
59	59/62/75	28.003	0.74	0.0379	J	---	0.00398
60		32.938	0.78	0.00557	J	---	0.00329
61	61/70/74/76	31.630	0.81	0.268		---	0.0308
62	59/62/75	28.003	0.74	(0.0379)	J	---	0.00398
63		31.278	0.83	0.0270	J	---	0.00167
64		28.926	0.79	0.0876		---	0.00538
65	44/47/65	27.635	0.78	(0.747)		---	0.0179
66		31.982	0.81	0.223		---	0.0211
67		31.027	0.88	0.0206	J	---	0.00216
68		30.121	0.84	0.0293	J	---	0.00241
69	49/69	27.031	0.80	(0.996)		---	0.00647
70	61/70/74/76	31.630	0.81	(0.268)		---	0.0308
71	40/41/71	28.691	0.77	(0.205)		---	0.00778
72		29.819	0.78	0.0415		---	0.00170
73	43/73	26.662	0.83	(0.0282)	J	---	0.00375
74	61/70/74/76	31.630	0.81	(0.268)		---	0.0308
75	59/62/75	28.003	0.74	(0.0379)	J	---	0.00398
76	61/70/74/76	31.630	0.81	(0.268)		---	0.0308
77		36.560	0.72	0.0171	J	---	0.00255
78		---	---	ND		---	0.00222
79		34.933	0.78	0.00874	J	---	0.00224
80		---	---	ND		---	0.00205
81		---	---	ND		---	0.00171
82		36.208	1.54	0.0398		---	0.00247
83		34.279	1.48	0.0595		---	0.00230
84		31.865	1.59	0.193		---	0.0128
85	85/116/117	35.704	1.53	0.121		---	0.00500
86	86/87/97/108/119/125	34.950	1.67	0.418		---	0.0146
87	86/87/97/108/119/125	34.950	1.67	(0.418)		---	0.0146
88	88/91	31.630	1.53	0.203		---	0.00475
89		32.385	1.56	0.00491	J	---	0.00301
90	90/101/113	33.810	1.61	0.778		---	0.0115
91	88/91	31.630	1.53	(0.203)		---	0.00475
92		33.189	1.55	0.343		---	0.00377
93	93/98/100/102	31.111	1.48	0.0755	J	---	0.00544
94		30.239	1.57	0.0218	J	---	0.00182
95		30.708	1.53	0.636		---	0.00837
96		27.920	1.69	0.00887	J	---	0.00303

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REPORT OF LABORATORY ANALYSIS

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S12R
Lab Sample ID	40268156029
Filename	Y231007B_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
97	86/87/97/108/119/125	34.950	1.67	(0.418)		---	0.0146
98	93/98/100/102	31.111	1.48	(0.0755)	J	---	0.00544
99		34.430	1.52	0.423		---	0.00569
100	93/98/100/102	31.111	1.48	(0.0755)	J	---	0.00544
101	90/101/113	33.810	1.61	(0.778)		---	0.0115
102	93/98/100/102	31.111	1.48	(0.0755)	J	---	0.00544
103		30.021	1.50	0.0282	J	---	0.00188
104		---	---	ND		---	0.00147
105		40.170	1.55	0.171		---	0.00546
106		---	---	ND		---	0.00171
107	107/124	38.275	1.59	0.0200	J	---	0.00253
108	86/87/97/108/119/125	34.950	1.67	(0.418)		---	0.0146
109		38.510	1.56	0.0753		---	0.00192
110	110/115	35.855	1.59	1.13		---	0.0124
111		36.593	1.41	0.00360	J	---	0.00197
112		---	---	ND		---	0.00170
113	90/101/113	33.810	1.61	(0.778)		---	0.0115
114		39.516	2.18	---	IJ	0.00486	0.00220
115	110/115	35.855	1.59	(1.13)		---	0.0124
116	85/116/117	35.704	1.53	(0.121)		---	0.00500
117	85/116/117	35.704	1.53	(0.121)		---	0.00500
118		38.979	1.57	0.632		---	0.00862
119	86/87/97/108/119/125	34.950	1.67	(0.418)		---	0.0146
120		37.079	1.46	0.00959	J	---	0.00164
121		32.804	1.82	---	IJ	0.00139	0.00125
122		39.332	1.50	0.00575	J	---	0.00187
123		38.627	1.68	0.00977	J	---	0.00213
124	107/124	38.275	1.59	(0.0200)	J	---	0.00253
125	86/87/97/108/119/125	34.950	1.67	(0.418)		---	0.0146
126		43.305	0.98	---	IJ	0.00281	0.00215
127		---	---	ND		---	0.00129
128	128/166	43.456	1.20	0.135		---	0.00419
129	129/138/163	42.165	1.26	0.835		---	0.0105
130		41.494	1.36	0.0661		---	0.00211
131		38.627	1.62	---	IJ	0.00907	0.00272
132		39.080	1.23	0.282		---	0.00396
133		39.566	1.13	0.0262	J	---	0.00257
134	134/143	37.990	1.30	0.0583	J	---	0.00385
135	135/151	36.811	1.24	0.271		---	0.00500
136		34.330	1.25	0.0930		---	0.00276
137		41.729	1.17	0.0400		---	0.00247
138	129/138/163	42.165	1.26	(0.835)		---	0.0105
139	139/140	38.409	1.11	0.0195	J	---	0.00423
140	139/140	38.409	1.11	(0.0195)	J	---	0.00423
141		41.092	1.18	0.0786		---	0.00237
142		---	---	ND		---	0.00186
143	134/143	37.990	1.30	(0.0583)	J	---	0.00385
144		37.431	1.06	0.0211	J	---	0.00201

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S12R
Lab Sample ID	40268156029
Filename	Y231007B_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
145		---	---	ND		---	0.00193
146		40.254	1.23	0.135		---	0.00245
147	147/149	37.789	1.26	0.606		---	0.00866
148		36.191	1.36	0.00381	J	---	0.00226
149	147/149	37.789	1.26	(0.606)		---	0.00866
150		33.961	1.30	0.00299	J	---	0.00125
151	135/151	36.811	1.24	(0.271)		---	0.00500
152		---	---	ND		---	0.00205
153	153/168	40.891	1.29	0.550		---	0.00743
154		37.096	1.39	0.0192	J	---	0.00169
155		---	---	ND		---	0.00148
156	156/157	46.362	1.25	0.0974		---	0.00429
157	156/157	46.362	1.25	(0.0974)		---	0.00429
158		42.568	1.42	0.0674		---	0.00249
159		---	---	ND		---	0.00270
160		---	---	ND		---	0.00249
161		---	---	ND		---	0.00180
162		44.736	1.13	0.00295	J	---	0.00224
163	129/138/163	42.165	1.26	(0.835)		---	0.0105
164		41.847	1.20	0.0476		---	0.00234
165		---	---	ND		---	0.00199
166	128/166	43.456	1.20	(0.135)		---	0.00419
167		45.205	1.34	0.0380	J	---	0.00207
168	153/168	40.891	1.29	(0.550)		---	0.00743
169		---	---	ND		---	0.00155
170		49.061	1.09	0.0897		---	0.00479
171	171/173	45.507	1.03	0.0306	J	---	0.00586
172		47.117	1.19	0.0160	J	---	0.0136
173	171/173	45.507	1.03	(0.0306)	J	---	0.00586
174		44.401	1.06	0.0669		---	0.00308
175		43.272	0.98	0.00371	J	---	0.00146
176		40.757	1.04	0.00990	J	---	0.00216
177		44.836	1.01	0.0604		---	0.00324
178		42.601	1.09	0.0250	J	---	0.00218
179		39.851	1.08	0.0342	J	---	0.00234
180	180/193	47.804	1.05	0.146		---	0.00554
181		---	---	ND		---	0.00264
182		---	---	ND		---	0.00249
183	183/185	44.182	0.98	0.0503	J	---	0.00548
184		---	---	ND		---	0.00201
185	183/185	44.182	0.98	(0.0503)	J	---	0.00548
186		---	---	ND		---	0.00151
187		43.540	1.09	0.103		---	0.00316
188		---	---	ND		---	0.00239
189		52.214	1.14	0.00685	J	---	0.00209
190		49.615	1.09	0.0188	J	---	0.00245
191		48.139	0.75	---	IJ	0.00289	0.00211
192		---	---	ND		---	0.00239

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S12R
Lab Sample ID	40268156029
Filename	Y231007B_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
193	180/193	47.804	1.05	(0.146)		---	0.00554
194		54.326	0.93	0.0246	J	---	0.00181
195		51.998	0.72	---	IJ	0.00956	0.00166
196		50.436	0.90	0.0128	J	---	0.00169
197	197/200	46.915	0.82	0.00523	J	---	0.00456
198	198/199	49.765	0.86	0.0341	J	---	0.00274
199	198/199	49.765	0.86	(0.0341)	J	---	0.00274
200	197/200	46.915	0.82	(0.00523)	J	---	0.00456
201		45.926	1.08	---	IJ	0.00340	0.00139
202		44.954	0.85	0.00856	J	---	0.00224
203		50.638	1.00	0.0168	J	---	0.00176
204		---	---	ND		---	0.00163
205		---	---	ND		---	0.00192
206		56.589	0.66	0.00939	J	---	0.00372
207		---	---	ND		---	0.00222
208		---	---	ND		---	0.00216
209		---	---	ND		---	0.0167

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S12R
Lab Sample ID	40268156029
Filename	Y231007B_05

Congener Group	Concentration ng/L	
Total Monochloro Biphenyls	0.0451	
Total Dichloro Biphenyls	0.366	J
Total Trichloro Biphenyls	1.20	J
Total Tetrachloro Biphenyls	4.67	J
Total Pentachloro Biphenyls	5.42	J
Total Hexachloro Biphenyls	3.50	J
Total Heptachloro Biphenyls	0.661	J
Total Octachloro Biphenyls	0.102	J
Total Nonachloro Biphenyls	0.00939	J
DecachloroBiphenyls	ND	
Total PCBs	16.0	J

ND = Not Detected

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	MR SW S13R		
Lab Sample ID	40268156030		
Filename	Y231007B_06		
Injected By	BAL		
Total Amount Extracted	1030 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/13/2023 16:00
ICAL ID	Y231007B02	Received	09/19/2023 16:15
CCal Filename(s)	Y231007B_01	Extracted	09/27/2023 14:30
Method Blank ID	BLANK-108511	Analyzed	10/08/2023 06:37

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.881	3.07	2.0	1.22	61
13C-4-MoCB	3	13.673	3.09	2.0	1.43	71
13C-2,2'-DiCB	4	13.972	1.59	2.0	1.12	56
13C-4,4'-DiCB	15	21.074	1.59	2.0	1.73	87
13C-2,2',6-TrCB	19	17.804	1.08	2.0	1.33	67
13C-3,4,4'-TrCB	37	28.826	1.06	2.0	1.90	95
13C-2,2',6,6'-TeCB	54	21.415	0.80	2.0	1.56	78
13C-3,4,4',5-TeCB	81	35.957	0.79	2.0	1.96	98
13C-3,3',4,4'-TeCB	77	36.544	0.79	2.0	1.98	99
13C-2,2',4,6,6'-PeCB	104	27.518	1.64	2.0	1.59	79
13C-2,3,3',4,4'-PeCB	105	40.154	1.58	2.0	1.96	98
13C-2,3,4,4',5-PeCB	114	39.500	1.57	2.0	1.99	100
13C-2,3',4,4',5-PeCB	118	38.947	1.61	2.0	1.97	99
13C-2,3',4,4',5'-PeCB	123	38.595	1.58	2.0	1.94	97
13C-3,3',4,4',5-PeCB	126	43.306	1.62	2.0	2.00	100
13C-2,2',4,4',6,6'-HxCB	155	33.576	1.32	2.0	1.50	75
13C-HxCB(156/157)	156/157	46.380	1.27	4.0	3.89	97
13C-2,3',4,4',5,5'-HxCB	167	45.189	1.27	2.0	1.91	95
13C-3,3',4,4',5,5'-HxCB	169	49.649	1.27	2.0	1.98	99
13C-2,2',3,4',5,6,6'-HpCB	188	39.483	1.00	2.0	1.45	73
13C-2,3,3',4,4',5,5'-HpCB	189	52.215	1.09	2.0	1.78	89
13C-2,2',3,3',5,5',6,6'-OcCB	202	44.954	0.89	2.0	1.45	73
13C-2,3,3',4,4',5,5',6-OcCB	205	54.801	0.89	2.0	1.66	83
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.547	0.81	2.0	1.58	79
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.719	0.79	2.0	1.64	82
13C-DeCB	209	58.207	0.73	2.0	1.50	75
CleanupStandards						
13C-2,4,4'-TrCB	28	24.483	1.05	2.0	1.83	92
13C-2,3,3',5,5'-PeCB	111	36.577	1.58	2.0	1.64	82
13C-2,2',3,3',5,5',6-HpCB	178	42.585	1.05	2.0	1.58	79
Recovery Standards						
13C-2,5-DiCB	9	16.438	1.58	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	26.479	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.777	1.58	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	42.132	1.28	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	54.305	0.89	2.0	NA	NA

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S13R
Lab Sample ID	40268156030
Filename	Y231007B_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
1		10.893	2.83	0.0361	J	---	0.00542
2		13.457	2.36	---	IJ	0.00782	0.00494
3		13.673	2.78	0.00771	BJ	---	0.00428
4		13.996	1.56	0.137		---	0.00731
5		---	---	ND		---	0.00178
6		16.941	1.35	0.0907		---	0.00911
7		16.678	1.48	0.0203	J	---	0.00904
8		17.468	1.53	0.0404		---	0.0119
9		16.462	1.41	0.0221	J	---	0.00239
10		---	---	ND		---	0.00284
11		20.379	1.50	0.158	J	---	0.141
12	12/13	---	---	ND		---	0.00511
13	12/13	---	---	ND		---	0.00511
14		---	---	ND		---	0.00170
15		21.086	1.42	0.0131	J	---	0.00587
16		21.014	1.07	0.0138	J	---	0.00599
17		20.523	1.09	0.100		---	0.00501
18	18/30	20.020	1.05	0.0905		---	0.0111
19		17.828	1.07	0.0728		---	0.00810
20	20/28	24.517	1.08	0.201		---	0.0177
21	21/33	24.768	1.13	0.0555	J	---	0.0128
22		25.204	1.07	0.0205	J	---	0.00736
23		---	---	ND		---	0.00154
24		---	---	ND		---	0.00186
25		23.830	1.03	0.170		---	0.00278
26	26/29	23.561	1.05	0.297		---	0.00445
27		20.751	1.10	0.0155	J	---	0.00196
28	20/28	24.517	1.08	(0.201)		---	0.0177
29	26/29	23.561	1.05	(0.297)		---	0.00445
30	18/30	20.020	1.05	(0.0905)		---	0.0111
31		24.181	1.11	0.104	J	---	0.0171
32		21.650	1.03	0.0826		---	0.00711
33	21/33	24.768	1.13	(0.0555)	J	---	0.0128
34		23.042	0.90	0.0150	J	---	0.00158
35		---	---	ND		---	0.00311
36		---	---	ND		---	0.00196
37		28.843	1.13	0.0156	J	---	0.00410
38		---	---	ND		---	0.00144
39		---	---	ND		---	0.00160
40	40/41/71	28.675	0.80	0.231		---	0.00789
41	40/41/71	28.675	0.80	(0.231)		---	0.00789
42		28.155	0.80	0.163		---	0.00428
43	43/73	26.663	0.73	0.0327	J	---	0.00381
44	44/47/65	27.635	0.78	0.772		---	0.0181
45	45/51	24.701	0.81	0.117		---	0.00560
46		24.953	0.78	0.0614		---	0.00222
47	44/47/65	27.635	0.78	(0.772)		---	0.0181
48		27.334	0.75	0.0107	J	---	0.00284

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Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S13R
Lab Sample ID	40268156030
Filename	Y231007B_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
49	49/69	27.032	0.78	1.05		---	0.00657
50	50/53	23.863	0.81	0.251		---	0.00369
51	45/51	24.701	0.81	(0.117)		---	0.00560
52		26.495	0.81	1.40		---	0.0162
53	50/53	23.863	0.81	(0.251)		---	0.00369
54		21.448	0.72	0.0141	J	---	0.00156
55		---	---	ND		---	0.00210
56		32.688	0.77	0.0501		---	0.00985
57		30.575	0.77	0.0323	J	---	0.00146
58		30.826	0.85	0.00885	J	---	0.00185
59	59/62/75	28.004	0.84	0.0401	J	---	0.00404
60		32.922	0.76	0.00690	J	---	0.00334
61	61/70/74/76	31.615	0.79	0.340		---	0.0313
62	59/62/75	28.004	0.84	(0.0401)	J	---	0.00404
63		31.296	0.70	0.0294	J	---	0.00170
64		28.927	0.82	0.0985		---	0.00546
65	44/47/65	27.635	0.78	(0.772)		---	0.0181
66		31.983	0.79	0.260		---	0.0214
67		31.011	0.77	0.0211	J	---	0.00220
68		30.105	0.81	0.0338	J	---	0.00245
69	49/69	27.032	0.78	(1.05)		---	0.00657
70	61/70/74/76	31.615	0.79	(0.340)		---	0.0313
71	40/41/71	28.675	0.80	(0.231)		---	0.00789
72		29.820	0.83	0.0449		---	0.00172
73	43/73	26.663	0.73	(0.0327)	J	---	0.00381
74	61/70/74/76	31.615	0.79	(0.340)		---	0.0313
75	59/62/75	28.004	0.84	(0.0401)	J	---	0.00404
76	61/70/74/76	31.615	0.79	(0.340)		---	0.0313
77		36.544	0.88	0.0208	J	---	0.00258
78		---	---	ND		---	0.00225
79		34.951	0.67	0.0131	J	---	0.00227
80		---	---	ND		---	0.00208
81		---	---	ND		---	0.00174
82		36.192	1.49	0.0578		---	0.00251
83		34.280	1.54	0.0761		---	0.00233
84		31.866	1.61	0.229		---	0.0129
85	85/116/117	35.689	1.55	0.162		---	0.00507
86	86/87/97/108/119/125	34.951	1.61	0.555		---	0.0148
87	86/87/97/108/119/125	34.951	1.61	(0.555)		---	0.0148
88	88/91	31.631	1.55	0.234		---	0.00482
89		32.352	1.70	0.00628	J	---	0.00305
90	90/101/113	33.811	1.55	0.998		---	0.0117
91	88/91	31.631	1.55	(0.234)		---	0.00482
92		33.190	1.55	0.381		---	0.00383
93	93/98/100/102	31.095	1.52	0.0791	J	---	0.00552
94		30.240	1.66	0.0255	J	---	0.00184
95		30.692	1.57	0.779		---	0.00849
96		27.921	1.59	0.0111	J	---	0.00307

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REPORT OF LABORATORY ANALYSIS

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW S13R
Lab Sample ID 40268156030
Filename Y231007B_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
97	86/87/97/108/119/125	34.951	1.61	(0.555)		---	0.0148
98	93/98/100/102	31.095	1.52	(0.0791)	J	---	0.00552
99		34.431	1.57	0.519		---	0.00577
100	93/98/100/102	31.095	1.52	(0.0791)	J	---	0.00552
101	90/101/113	33.811	1.55	(0.998)		---	0.0117
102	93/98/100/102	31.095	1.52	(0.0791)	J	---	0.00552
103		30.022	1.59	0.0285	J	---	0.00191
104		---	---	ND		---	0.00149
105		40.171	1.65	0.241		---	0.00554
106		---	---	ND		---	0.00174
107	107/124	38.259	1.49	0.0288	J	---	0.00257
108	86/87/97/108/119/125	34.951	1.61	(0.555)		---	0.0148
109		38.494	1.55	0.0948		---	0.00194
110	110/115	35.856	1.59	1.42		---	0.0126
111		36.594	1.74	0.00357	J	---	0.00200
112		---	---	ND		---	0.00173
113	90/101/113	33.811	1.55	(0.998)		---	0.0117
114		39.517	1.33	0.00754	J	---	0.00223
115	110/115	35.856	1.59	(1.42)		---	0.0126
116	85/116/117	35.689	1.55	(0.162)		---	0.00507
117	85/116/117	35.689	1.55	(0.162)		---	0.00507
118		38.963	1.59	0.858		---	0.00874
119	86/87/97/108/119/125	34.951	1.61	(0.555)		---	0.0148
120		37.080	1.49	0.00981	J	---	0.00166
121		---	---	ND		---	0.00127
122		39.299	1.38	0.00870	J	---	0.00190
123		38.628	1.75	0.0113	J	---	0.00216
124	107/124	38.259	1.49	(0.0288)	J	---	0.00257
125	86/87/97/108/119/125	34.951	1.61	(0.555)		---	0.0148
126		43.306	1.51	0.00322	J	---	0.00218
127		---	---	ND		---	0.00130
128	128/166	43.457	1.25	0.166		---	0.00426
129	129/138/163	42.166	1.24	0.972		---	0.0107
130		41.495	1.18	0.0839		---	0.00214
131		38.611	1.27	0.0131	J	---	0.00276
132		39.064	1.25	0.340		---	0.00402
133		39.584	1.20	0.0244	J	---	0.00260
134	134/143	37.991	1.30	0.0664	J	---	0.00391
135	135/151	36.829	1.25	0.293		---	0.00507
136		34.331	1.28	0.105		---	0.00280
137		41.713	1.23	0.0422		---	0.00251
138	129/138/163	42.166	1.24	(0.972)		---	0.0107
139	139/140	38.410	1.15	0.0217	J	---	0.00429
140	139/140	38.410	1.15	(0.0217)	J	---	0.00429
141		41.093	1.19	0.107		---	0.00241
142		---	---	ND		---	0.00188
143	134/143	37.991	1.30	(0.0664)	J	---	0.00391
144		37.416	1.32	0.0283	J	---	0.00204

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S13R
Lab Sample ID	40268156030
Filename	Y231007B_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
145		---	---	ND		---	0.00196
146		40.254	1.26	0.146		---	0.00249
147	147/149	37.773	1.27	0.694		---	0.00878
148		36.192	1.50	---	IJ	0.00290	0.00229
149	147/149	37.773	1.27	(0.694)		---	0.00878
150		33.979	1.09	0.00259	J	---	0.00127
151	135/151	36.829	1.25	(0.293)		---	0.00507
152		---	---	ND		---	0.00208
153	153/168	40.875	1.23	0.646		---	0.00754
154		37.097	1.27	0.0176	J	---	0.00172
155		---	---	ND		---	0.00150
156	156/157	46.380	1.23	0.132		---	0.00435
157	156/157	46.380	1.23	(0.132)		---	0.00435
158		42.568	1.30	0.0833		---	0.00253
159		---	---	ND		---	0.00274
160		---	---	ND		---	0.00253
161		---	---	ND		---	0.00182
162		44.703	1.50	---	IJ	0.00376	0.00227
163	129/138/163	42.166	1.24	(0.972)		---	0.0107
164		41.831	1.23	0.0666		---	0.00237
165		40.003	1.39	0.00220	J	---	0.00202
166	128/166	43.457	1.25	(0.166)		---	0.00426
167		45.223	1.26	0.0438		---	0.00210
168	153/168	40.875	1.23	(0.646)		---	0.00754
169		---	---	ND		---	0.00157
170		49.079	1.00	0.106		---	0.00486
171	171/173	45.508	0.92	0.0371	J	---	0.00595
172		47.134	1.19	0.0187	J	---	0.0138
173	171/173	45.508	0.92	(0.0371)	J	---	0.00595
174		44.401	1.03	0.0771		---	0.00313
175		43.256	1.03	0.00365	J	---	0.00148
176		40.757	0.94	0.0113	J	---	0.00220
177		44.837	0.97	0.0634		---	0.00328
178		42.618	1.01	0.0242	J	---	0.00222
179		39.835	1.01	0.0392		---	0.00237
180	180/193	47.805	1.04	0.170		---	0.00562
181		---	---	ND		---	0.00268
182		---	---	ND		---	0.00253
183	183/185	44.166	1.10	0.0559	J	---	0.00556
184		---	---	ND		---	0.00204
185	183/185	44.166	1.10	(0.0559)	J	---	0.00556
186		---	---	ND		---	0.00154
187		43.541	1.12	0.106		---	0.00321
188		---	---	ND		---	0.00243
189		52.215	1.11	0.00539	J	---	0.00212
190		49.616	1.09	0.0204	J	---	0.00249
191		48.174	1.42	---	IJ	0.00286	0.00214
192		---	---	ND		---	0.00243

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S13R
Lab Sample ID	40268156030
Filename	Y231007B_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
193	180/193	47.805	1.04	(0.170)		---	0.00562
194		54.327	0.97	0.0283	J	---	0.00183
195		52.021	0.98	0.0122	J	---	0.00169
196		50.437	0.93	0.0131	J	---	0.00171
197	197/200	46.966	0.99	0.00534	J	---	0.00462
198	198/199	49.784	0.91	0.0348	J	---	0.00278
199	198/199	49.784	0.91	(0.0348)	J	---	0.00278
200	197/200	46.966	0.99	(0.00534)	J	---	0.00462
201		45.910	0.71	---	IJ	0.00339	0.00141
202		44.988	1.04	---	IJ	0.00726	0.00227
203		50.655	0.92	0.0177	J	---	0.00178
204		---	---	ND		---	0.00165
205		---	---	ND		---	0.00194
206		56.590	0.88	0.0126	J	---	0.00377
207		---	---	ND		---	0.00225
208		---	---	ND		---	0.00220
209		---	---	ND		---	0.0169

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S13R
Lab Sample ID	40268156030
Filename	Y231007B_06

Congener Group	Concentration ng/L	
Total Monochloro Biphenyls	0.0438	J
Total Dichloro Biphenyls	0.481	J
Total Trichloro Biphenyls	1.25	J
Total Tetrachloro Biphenyls	5.10	J
Total Pentachloro Biphenyls	6.83	J
Total Hexachloro Biphenyls	4.10	J
Total Heptachloro Biphenyls	0.738	J
Total Octachloro Biphenyls	0.111	J
Total Nonachloro Biphenyls	0.0126	J
DecachloroBiphenyls	ND	
Total PCBs	18.7	J

ND = Not Detected

Pace Analytical Services, LLC.
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Minneapolis, MN 55414

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	MR SW 010L		
Lab Sample ID	40268156031		
Filename	Y231007B_07		
Injected By	BAL		
Total Amount Extracted	1050 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/13/2023 16:00
ICAL ID	Y231007B02	Received	09/19/2023 16:15
CCal Filename(s)	Y231007B_01	Extracted	09/27/2023 14:30
Method Blank ID	BLANK-108511	Analyzed	10/08/2023 07:38

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.869	3.06	2.0	1.25	63
13C-4-MoCB	3	13.660	3.06	2.0	1.53	76
13C-2,2'-DiCB	4	13.972	1.63	2.0	1.23	62
13C-4,4'-DiCB	15	21.074	1.56	2.0	1.78	89
13C-2,2',6-TrCB	19	17.804	1.07	2.0	1.35	67
13C-3,4,4'-TrCB	37	28.826	1.06	2.0	1.99	99
13C-2,2',6,6'-TeCB	54	21.415	0.79	2.0	1.59	79
13C-3,4,4',5-TeCB	81	35.957	0.79	2.0	2.08	104
13C-3,3',4,4'-TeCB	77	36.544	0.78	2.0	2.11	106
13C-2,2',4,6,6'-PeCB	104	27.535	1.64	2.0	1.57	79
13C-2,3,3',4,4'-PeCB	105	40.154	1.58	2.0	2.06	103
13C-2,3,4,4',5-PeCB	114	39.500	1.60	2.0	2.11	105
13C-2,3',4,4',5-PeCB	118	38.947	1.60	2.0	2.09	104
13C-2,3',4,4',5'-PeCB	123	38.612	1.54	2.0	2.08	104
13C-3,3',4,4',5-PeCB	126	43.306	1.57	2.0	2.10	105
13C-2,2',4,4',6,6'-HxCB	155	33.576	1.35	2.0	1.54	77
13C-HxCB(156/157)	156/157	46.380	1.26	4.0	4.17	104
13C-2,3',4,4',5,5'-HxCB	167	45.189	1.29	2.0	2.03	101
13C-3,3',4,4',5,5'-HxCB	169	49.650	1.26	2.0	2.06	103
13C-2,2',3,4',5,6,6'-HpCB	188	39.484	1.00	2.0	1.44	72
13C-2,3,3',4,4',5,5'-HpCB	189	52.194	1.10	2.0	1.80	90
13C-2,2',3,3',5,5',6,6'-OcCB	202	44.955	0.91	2.0	1.47	74
13C-2,3,3',4,4',5,5',6-OcCB	205	54.801	0.89	2.0	1.70	85
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.547	0.81	2.0	1.59	80
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.719	0.81	2.0	1.61	81
13C-DeCB	209	58.207	0.73	2.0	1.52	76
CleanupStandards						
13C-2,4,4'-TrCB	28	24.483	1.05	2.0	1.85	93
13C-2,3,3',5,5'-PeCB	111	36.577	1.58	2.0	1.68	84
13C-2,2',3,3',5,5',6-HpCB	178	42.585	1.02	2.0	1.64	82
Recovery Standards						
13C-2,5-DiCB	9	16.438	1.56	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	26.479	0.81	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.778	1.61	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	42.133	1.29	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	54.306	0.91	2.0	NA	NA

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REPORT OF LABORATORY ANALYSIS

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Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW 010L
Lab Sample ID	40268156031
Filename	Y231007B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
1		10.881	3.24	0.0887		---	0.00532
2		13.457	2.88	0.00944	J	---	0.00484
3		13.684	2.68	0.00985	BJ	---	0.00419
4		13.996	1.55	0.340		---	0.00717
5		---	---	ND		---	0.00175
6		16.953	1.53	0.186		---	0.00894
7		16.666	1.58	0.0437		---	0.00886
8		17.468	1.59	0.0554		---	0.0117
9		16.462	1.62	0.0441		---	0.00234
10		14.212	1.38	0.00628	J	---	0.00278
11		20.379	1.53	0.147	J	---	0.138
12	12/13	20.775	1.55	0.00884	J	---	0.00501
13	12/13	20.775	1.55	(0.00884)	J	---	0.00501
14		---	---	ND		---	0.00167
15		21.098	1.55	0.0185	J	---	0.00576
16		21.027	1.09	0.0166	J	---	0.00587
17		20.523	1.06	0.180		---	0.00492
18	18/30	20.032	1.04	0.137		---	0.0109
19		17.828	1.07	0.159		---	0.00795
20	20/28	24.517	1.01	0.261		---	0.0173
21	21/33	24.785	1.09	0.0857	J	---	0.0125
22		25.204	1.07	0.0216	J	---	0.00722
23		23.259	1.05	0.00247	J	---	0.00151
24		---	---	ND		---	0.00182
25		23.829	1.04	0.267		---	0.00273
26	26/29	23.561	1.06	0.478		---	0.00436
27		20.751	1.03	0.0288	J	---	0.00192
28	20/28	24.517	1.01	(0.261)		---	0.0173
29	26/29	23.561	1.06	(0.478)		---	0.00436
30	18/30	20.032	1.04	(0.137)		---	0.0109
31		24.181	1.04	0.130	J	---	0.0168
32		21.633	1.01	0.0929		---	0.00698
33	21/33	24.785	1.09	(0.0857)	J	---	0.0125
34		23.058	1.02	0.0264	J	---	0.00155
35		28.424	0.90	0.00308	J	---	0.00305
36		---	---	ND		---	0.00192
37		28.860	1.13	0.0196	J	---	0.00402
38		---	---	ND		---	0.00142
39		27.317	1.12	0.00187	J	---	0.00157
40	40/41/71	28.675	0.78	0.297		---	0.00774
41	40/41/71	28.675	0.78	(0.297)		---	0.00774
42		28.155	0.79	0.206		---	0.00419
43	43/73	26.663	0.77	0.0404	J	---	0.00374
44	44/47/65	27.652	0.78	1.02		---	0.0178
45	45/51	24.701	0.78	0.162		---	0.00549
46		24.953	0.87	0.0773		---	0.00217
47	44/47/65	27.652	0.78	(1.02)		---	0.0178
48		27.367	0.68	0.0117	J	---	0.00278

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW 010L
Lab Sample ID	40268156031
Filename	Y231007B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
49	49/69	27.032	0.81	1.44		---	0.00644
50	50/53	23.863	0.78	0.320		---	0.00362
51	45/51	24.701	0.78	(0.162)		---	0.00549
52		26.495	0.79	1.91		---	0.0159
53	50/53	23.863	0.78	(0.320)		---	0.00362
54		21.432	0.80	0.0199	J	---	0.00153
55		---	---	ND		---	0.00206
56		32.688	0.81	0.0514		---	0.00966
57		30.575	0.82	0.0528		---	0.00143
58		30.810	0.89	0.00983	J	---	0.00182
59	59/62/75	27.988	0.80	0.0569	J	---	0.00396
60		32.956	0.89	0.00623	J	---	0.00328
61	61/70/74/76	31.615	0.79	0.342		---	0.0307
62	59/62/75	27.988	0.80	(0.0569)	J	---	0.00396
63		31.296	0.87	0.0384		---	0.00167
64		28.927	0.83	0.118		---	0.00536
65	44/47/65	27.652	0.78	(1.02)		---	0.0178
66		31.983	0.80	0.297		---	0.0210
67		31.011	0.79	0.0306	J	---	0.00215
68		30.139	0.78	0.0440		---	0.00240
69	49/69	27.032	0.81	(1.44)		---	0.00644
70	61/70/74/76	31.615	0.79	(0.342)		---	0.0307
71	40/41/71	28.675	0.78	(0.297)		---	0.00774
72		29.820	0.79	0.0566		---	0.00169
73	43/73	26.663	0.77	(0.0404)	J	---	0.00374
74	61/70/74/76	31.615	0.79	(0.342)		---	0.0307
75	59/62/75	27.988	0.80	(0.0569)	J	---	0.00396
76	61/70/74/76	31.615	0.79	(0.342)		---	0.0307
77		36.561	0.83	0.0191	J	---	0.00253
78		---	---	ND		---	0.00221
79		34.934	0.75	0.00938	J	---	0.00223
80		---	---	ND		---	0.00204
81		---	---	ND		---	0.00170
82		36.192	1.56	0.0404		---	0.00246
83		34.297	1.57	0.102		---	0.00229
84		31.849	1.58	0.252		---	0.0127
85	85/116/117	35.706	1.57	0.136		---	0.00497
86	86/87/97/108/119/125	34.951	1.57	0.490		---	0.0145
87	86/87/97/108/119/125	34.951	1.57	(0.490)		---	0.0145
88	88/91	31.631	1.58	0.275		---	0.00473
89		32.352	1.59	0.00711	J	---	0.00299
90	90/101/113	33.811	1.55	0.924		---	0.0114
91	88/91	31.631	1.58	(0.275)		---	0.00473
92		33.190	1.56	0.450		---	0.00375
93	93/98/100/102	31.095	1.54	0.107	J	---	0.00541
94		30.223	1.62	0.0339	J	---	0.00181
95		30.692	1.55	0.823		---	0.00833
96		27.937	1.50	0.0118	J	---	0.00301

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW 010L
Lab Sample ID	40268156031
Filename	Y231007B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
97	86/87/97/108/119/125	34.951	1.57	(0.490)		---	0.0145
98	93/98/100/102	31.095	1.54	(0.107)	J	---	0.00541
99		34.431	1.64	0.484		---	0.00566
100	93/98/100/102	31.095	1.54	(0.107)	J	---	0.00541
101	90/101/113	33.811	1.55	(0.924)		---	0.0114
102	93/98/100/102	31.095	1.54	(0.107)	J	---	0.00541
103		30.005	1.62	0.0394		---	0.00188
104		---	---	ND		---	0.00146
105		40.171	1.55	0.170		---	0.00543
106		---	---	ND		---	0.00170
107	107/124	38.243	1.42	0.0196	J	---	0.00252
108	86/87/97/108/119/125	34.951	1.57	(0.490)		---	0.0145
109		38.511	1.48	0.0893		---	0.00191
110	110/115	35.856	1.57	1.44		---	0.0124
111		36.594	1.45	0.00500	J	---	0.00196
112		---	---	ND		---	0.00169
113	90/101/113	33.811	1.55	(0.924)		---	0.0114
114		39.517	1.57	0.00720	J	---	0.00219
115	110/115	35.856	1.57	(1.44)		---	0.0124
116	85/116/117	35.706	1.57	(0.136)		---	0.00497
117	85/116/117	35.706	1.57	(0.136)		---	0.00497
118		38.964	1.62	0.703		---	0.00858
119	86/87/97/108/119/125	34.951	1.57	(0.490)		---	0.0145
120		37.081	1.58	0.0129	J	---	0.00163
121		32.805	1.63	0.00207	J	---	0.00125
122		39.299	1.71	0.00749	J	---	0.00186
123		38.645	2.26	---	IJ	0.00701	0.00212
124	107/124	38.243	1.42	(0.0196)	J	---	0.00252
125	86/87/97/108/119/125	34.951	1.57	(0.490)		---	0.0145
126		43.306	1.33	0.00301	J	---	0.00213
127		---	---	ND		---	0.00128
128	128/166	43.457	1.29	0.129		---	0.00417
129	129/138/163	42.166	1.27	0.792		---	0.0105
130		41.496	1.28	0.0707		---	0.00210
131		38.612	1.06	0.0111	J	---	0.00271
132		39.064	1.24	0.326		---	0.00394
133		39.601	1.25	0.0287	J	---	0.00255
134	134/143	37.991	1.23	0.0649	J	---	0.00383
135	135/151	36.829	1.23	0.309		---	0.00497
136		34.331	1.27	0.114		---	0.00274
137		41.730	1.23	0.0366	J	---	0.00246
138	129/138/163	42.166	1.27	(0.792)		---	0.0105
139	139/140	38.427	1.31	0.0236	J	---	0.00421
140	139/140	38.427	1.31	(0.0236)	J	---	0.00421
141		41.076	1.30	0.0746		---	0.00236
142		---	---	ND		---	0.00185
143	134/143	37.991	1.23	(0.0649)	J	---	0.00383
144		37.399	1.21	0.0207	J	---	0.00200

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW 010L
Lab Sample ID	40268156031
Filename	Y231007B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
145		---	---	ND		---	0.00192
146		40.238	1.28	0.144		---	0.00244
147	147/149	37.773	1.27	0.710		---	0.00861
148		36.225	1.22	0.00538	J	---	0.00225
149	147/149	37.773	1.27	(0.710)		---	0.00861
150		33.962	1.13	0.00373	J	---	0.00125
151	135/151	36.829	1.23	(0.309)		---	0.00497
152		---	---	ND		---	0.00204
153	153/168	40.892	1.27	0.549		---	0.00739
154		37.114	1.29	0.0251	J	---	0.00168
155		---	---	ND		---	0.00147
156	156/157	46.380	1.26	0.0974		---	0.00427
157	156/157	46.380	1.26	(0.0974)		---	0.00427
158		42.569	1.20	0.0601		---	0.00248
159		---	---	ND		---	0.00269
160		---	---	ND		---	0.00248
161		---	---	ND		---	0.00179
162		44.720	1.40	0.00380	J	---	0.00223
163	129/138/163	42.166	1.27	(0.792)		---	0.0105
164		41.848	1.24	0.0470		---	0.00233
165		40.020	1.42	0.00340	J	---	0.00198
166	128/166	43.457	1.29	(0.129)		---	0.00417
167		45.223	1.14	0.0340	J	---	0.00206
168	153/168	40.892	1.27	(0.549)		---	0.00739
169		---	---	ND		---	0.00154
170		49.063	1.02	0.0953		---	0.00476
171	171/173	45.508	1.05	0.0353	J	---	0.00583
172		47.118	0.80	---	IJ	0.0159	0.0135
173	171/173	45.508	1.05	(0.0353)	J	---	0.00583
174		44.385	1.10	0.0760		---	0.00307
175		43.290	0.85	---	IJ	0.00362	0.00145
176		40.758	1.16	0.0132	J	---	0.00215
177		44.854	0.97	0.0736		---	0.00322
178		42.619	0.97	0.0274	J	---	0.00217
179		39.836	1.11	0.0439		---	0.00233
180	180/193	47.788	1.02	0.155		---	0.00551
181		---	---	ND		---	0.00263
182		---	---	ND		---	0.00248
183	183/185	44.167	1.11	0.0498	J	---	0.00545
184		---	---	ND		---	0.00200
185	183/185	44.167	1.11	(0.0498)	J	---	0.00545
186		---	---	ND		---	0.00151
187		43.541	1.05	0.113		---	0.00314
188		---	---	ND		---	0.00238
189		52.237	0.98	0.00625	J	---	0.00208
190		49.616	1.14	0.0190	J	---	0.00244
191		48.157	0.92	0.00305	J	---	0.00210
192		---	---	ND		---	0.00238

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Sample Analysis Results

Client Sample ID	MR SW 010L
Lab Sample ID	40268156031
Filename	Y231007B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
193	180/193	47.788	1.02	(0.155)		---	0.00551
194		54.327	0.97	0.0289	J	---	0.00180
195		52.000	0.92	0.0138	J	---	0.00166
196		50.454	0.87	0.0138	J	---	0.00168
197	197/200	46.950	1.01	0.00616	J	---	0.00454
198	198/199	49.784	0.92	0.0356	J	---	0.00273
199	198/199	49.784	0.92	(0.0356)	J	---	0.00273
200	197/200	46.950	1.01	(0.00616)	J	---	0.00454
201		45.894	0.73	---	IJ	0.00409	0.00139
202		44.988	1.01	0.00876	J	---	0.00223
203		50.655	0.85	0.0172	J	---	0.00175
204		---	---	ND		---	0.00162
205		---	---	ND		---	0.00191
206		56.547	0.99	---	IJ	0.00948	0.00370
207		---	---	ND		---	0.00221
208		51.741	0.66	0.00276	J	---	0.00215
209		---	---	ND		---	0.0166

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW 010L
Lab Sample ID	40268156031
Filename	Y231007B_07

Congener Group	Concentration ng/L	
Total Monochloro Biphenyls	0.108	J
Total Dichloro Biphenyls	0.850	J
Total Trichloro Biphenyls	1.91	J
Total Tetrachloro Biphenyls	6.63	J
Total Pentachloro Biphenyls	6.64	J
Total Hexachloro Biphenyls	3.68	J
Total Heptachloro Biphenyls	0.711	J
Total Octachloro Biphenyls	0.124	J
Total Nonachloro Biphenyls	0.00276	J
DecachloroBiphenyls	ND	
Total PCBs	20.7	J

ND = Not Detected

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	MR SW DUP 01		
Lab Sample ID	40268156032		
Filename	Y231007B_08		
Injected By	BAL		
Total Amount Extracted	1010 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/13/2023
ICAL ID	Y231007B02	Received	09/19/2023 16:15
CCal Filename(s)	Y231007B_01	Extracted	09/27/2023 14:30
Method Blank ID	BLANK-108511	Analyzed	10/08/2023 08:40

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.785	3.02	2.0	1.19	60
13C-4-MoCB	3	13.613	3.09	2.0	1.38	69
13C-2,2'-DiCB	4	13.924	1.62	2.0	1.17	58
13C-4,4'-DiCB	15	21.050	1.57	2.0	1.63	82
13C-2,2',6-TrCB	19	17.768	1.10	2.0	1.29	64
13C-3,4,4'-TrCB	37	28.826	1.06	2.0	1.78	89
13C-2,2',6,6'-TeCB	54	21.398	0.80	2.0	1.51	76
13C-3,4,4',5-TeCB	81	35.957	0.78	2.0	1.85	93
13C-3,3',4,4'-TeCB	77	36.543	0.81	2.0	1.83	91
13C-2,2',4,6,6'-PeCB	104	27.518	1.61	2.0	1.48	74
13C-2,3,3',4,4'-PeCB	105	40.153	1.59	2.0	1.88	94
13C-2,3,4,4',5-PeCB	114	39.500	1.58	2.0	1.92	96
13C-2,3',4,4',5-PeCB	118	38.946	1.60	2.0	1.87	94
13C-2,3',4,4',5'-PeCB	123	38.611	1.56	2.0	1.88	94
13C-3,3',4,4',5-PeCB	126	43.306	1.59	2.0	1.77	89
13C-2,2',4,4',6,6'-HxCB	155	33.576	1.31	2.0	1.45	73
13C-HxCB(156/157)	156/157	46.379	1.28	4.0	3.69	92
13C-2,3',4,4',5,5'-HxCB	167	45.205	1.27	2.0	1.83	91
13C-3,3',4,4',5,5'-HxCB	169	49.648	1.25	2.0	1.79	90
13C-2,2',3,4',5,6,6'-HpCB	188	39.483	1.01	2.0	1.46	73
13C-2,3,3',4,4',5,5'-HpCB	189	52.214	1.06	2.0	1.68	84
13C-2,2',3,3',5,5',6,6'-OcCB	202	44.971	0.90	2.0	1.45	72
13C-2,3,3',4,4',5,5',6-OcCB	205	54.800	0.89	2.0	1.61	80
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.546	0.80	2.0	1.49	75
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.740	0.80	2.0	1.59	80
13C-DeCB	209	58.206	0.73	2.0	1.43	72
CleanupStandards						
13C-2,4,4'-TrCB	28	24.483	1.06	2.0	1.75	87
13C-2,3,3',5,5'-PeCB	111	36.577	1.60	2.0	1.58	79
13C-2,2',3,3',5,5',6-HpCB	178	42.584	1.02	2.0	1.57	79
Recovery Standards						
13C-2,5-DiCB	9	16.402	1.55	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	26.462	0.78	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.777	1.60	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	42.132	1.28	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	54.326	0.91	2.0	NA	NA

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Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW DUP 01
Lab Sample ID	40268156032
Filename	Y231007B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
1		10.809	3.02	0.0338	J	---	0.00552
2		13.409	3.45	0.00689	J	---	0.00502
3		13.625	2.55	---	IJ	0.00788	0.00435
4		13.948	1.50	0.135		---	0.00743
5		---	---	ND		---	0.00181
6		16.905	1.53	0.0933		---	0.00927
7		16.618	1.42	0.0213	J	---	0.00919
8		17.444	1.42	0.0429		---	0.0121
9		16.426	1.52	0.0232	J	---	0.00243
10		---	---	ND		---	0.00289
11		20.355	1.51	0.160	J	---	0.144
12	12/13	20.739	1.34	0.00620	J	---	0.00520
13	12/13	20.739	1.34	(0.00620)	J	---	0.00520
14		---	---	ND		---	0.00173
15		21.050	1.50	0.0147	J	---	0.00597
16		21.026	1.11	0.0141	J	---	0.00609
17		20.499	1.08	0.105		---	0.00510
18	18/30	20.008	1.08	0.0937		---	0.0113
19		17.804	1.05	0.0747		---	0.00824
20	20/28	24.500	1.05	0.220		---	0.0180
21	21/33	24.768	1.04	0.0600	J	---	0.0130
22		25.187	0.95	0.0212	J	---	0.00749
23		23.242	0.96	0.00174	J	---	0.00157
24		---	---	ND		---	0.00189
25		23.829	1.04	0.183		---	0.00283
26	26/29	23.561	1.03	0.328		---	0.00453
27		20.727	1.01	0.0159	J	---	0.00200
28	20/28	24.500	1.05	(0.220)		---	0.0180
29	26/29	23.561	1.03	(0.328)		---	0.00453
30	18/30	20.008	1.08	(0.0937)		---	0.0113
31		24.165	1.03	0.109	J	---	0.0174
32		21.616	1.03	0.0797		---	0.00724
33	21/33	24.768	1.04	(0.0600)	J	---	0.0130
34		23.041	1.16	0.0163	J	---	0.00161
35		---	---	ND		---	0.00316
36		---	---	ND		---	0.00200
37		28.842	1.16	0.0163	J	---	0.00417
38		---	---	ND		---	0.00147
39		---	---	ND		---	0.00163
40	40/41/71	28.691	0.77	0.255		---	0.00803
41	40/41/71	28.691	0.77	(0.255)		---	0.00803
42		28.155	0.80	0.182		---	0.00435
43	43/73	26.663	0.70	0.0318	J	---	0.00388
44	44/47/65	27.635	0.78	0.877		---	0.0185
45	45/51	24.701	0.79	0.126		---	0.00569
46		24.952	0.79	0.0654		---	0.00225
47	44/47/65	27.635	0.78	(0.877)		---	0.0185
48		27.350	0.86	0.0128	J	---	0.00289

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW DUP 01
Lab Sample ID 40268156032
Filename Y231007B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
49	49/69	27.032	0.78	1.16		---	0.00668
50	50/53	23.846	0.82	0.262		---	0.00376
51	45/51	24.701	0.79	(0.126)		---	0.00569
52		26.495	0.80	1.57		---	0.0164
53	50/53	23.846	0.82	(0.262)		---	0.00376
54		21.431	0.70	0.0151	J	---	0.00159
55		32.167	0.72	0.00240	J	---	0.00214
56		32.670	0.76	0.0590		---	0.0100
57		30.574	0.83	0.0361	J	---	0.00149
58		30.826	0.89	0.0101	J	---	0.00188
59	59/62/75	28.004	0.79	0.0426	J	---	0.00411
60		32.922	0.80	0.00824	J	---	0.00340
61	61/70/74/76	31.631	0.80	0.392		---	0.0318
62	59/62/75	28.004	0.79	(0.0426)	J	---	0.00411
63		31.279	0.83	0.0353	J	---	0.00173
64		28.909	0.75	0.112		---	0.00556
65	44/47/65	27.635	0.78	(0.877)		---	0.0185
66		31.983	0.79	0.311		---	0.0217
67		31.027	0.72	0.0259	J	---	0.00223
68		30.122	0.77	0.0364	J	---	0.00249
69	49/69	27.032	0.78	(1.16)		---	0.00668
70	61/70/74/76	31.631	0.80	(0.392)		---	0.0318
71	40/41/71	28.691	0.77	(0.255)		---	0.00803
72		29.820	0.79	0.0529		---	0.00175
73	43/73	26.663	0.70	(0.0318)	J	---	0.00388
74	61/70/74/76	31.631	0.80	(0.392)		---	0.0318
75	59/62/75	28.004	0.79	(0.0426)	J	---	0.00411
76	61/70/74/76	31.631	0.80	(0.392)		---	0.0318
77		36.577	0.77	0.0250	J	---	0.00263
78		---	---	ND		---	0.00229
79		34.951	0.76	0.0144	J	---	0.00231
80		---	---	ND		---	0.00212
81		---	---	ND		---	0.00177
82		36.208	1.49	0.0722		---	0.00255
83		34.297	1.61	0.109		---	0.00237
84		31.849	1.53	0.272		---	0.0132
85	85/116/117	35.705	1.54	0.193		---	0.00516
86	86/87/97/108/119/125	34.951	1.55	0.688		---	0.0151
87	86/87/97/108/119/125	34.951	1.55	(0.688)		---	0.0151
88	88/91	31.631	1.50	0.272		---	0.00490
89		32.385	1.76	0.00847	J	---	0.00310
90	90/101/113	33.811	1.56	1.23		---	0.0119
91	88/91	31.631	1.50	(0.272)		---	0.00490
92		33.190	1.58	0.456		---	0.00389
93	93/98/100/102	31.111	1.59	0.0968	J	---	0.00561
94		30.256	1.45	0.0273	J	---	0.00188
95		30.709	1.59	0.926		---	0.00864
96		27.920	1.63	0.0128	J	---	0.00312

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW DUP 01
Lab Sample ID	40268156032
Filename	Y231007B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
97	86/87/97/108/119/125	34.951	1.55	(0.688)		---	0.0151
98	93/98/100/102	31.111	1.59	(0.0968)	J	---	0.00561
99		34.431	1.61	0.640		---	0.00587
100	93/98/100/102	31.111	1.59	(0.0968)	J	---	0.00561
101	90/101/113	33.811	1.56	(1.23)		---	0.0119
102	93/98/100/102	31.111	1.59	(0.0968)	J	---	0.00561
103		30.021	1.55	0.0344	J	---	0.00195
104		---	---	ND		---	0.00152
105		40.170	1.52	0.313		---	0.00563
106		---	---	ND		---	0.00177
107	107/124	38.259	1.47	0.0372	J	---	0.00261
108	86/87/97/108/119/125	34.951	1.55	(0.688)		---	0.0151
109		38.510	1.47	0.121		---	0.00198
110	110/115	35.873	1.56	1.75		---	0.0129
111		36.610	1.20	---	IJ	0.00411	0.00204
112		---	---	ND		---	0.00176
113	90/101/113	33.811	1.56	(1.23)		---	0.0119
114		39.516	1.39	0.00899	J	---	0.00227
115	110/115	35.873	1.56	(1.75)		---	0.0129
116	85/116/117	35.705	1.54	(0.193)		---	0.00516
117	85/116/117	35.705	1.54	(0.193)		---	0.00516
118		38.980	1.58	1.10		---	0.00890
119	86/87/97/108/119/125	34.951	1.55	(0.688)		---	0.0151
120		37.080	1.65	0.0118	J	---	0.00169
121		---	---	ND		---	0.00129
122		39.315	1.69	0.0109	J	---	0.00193
123		38.628	1.74	0.0168	J	---	0.00219
124	107/124	38.259	1.47	(0.0372)	J	---	0.00261
125	86/87/97/108/119/125	34.951	1.55	(0.688)		---	0.0151
126		43.322	1.33	0.00413	J	---	0.00221
127		---	---	ND		---	0.00133
128	128/166	43.456	1.24	0.221		---	0.00433
129	129/138/163	42.165	1.23	1.28		---	0.0109
130		41.495	1.20	0.110		---	0.00217
131		38.611	1.05	0.0192	J	---	0.00281
132		39.080	1.23	0.450		---	0.00409
133		39.583	1.28	0.0329	J	---	0.00265
134	134/143	37.991	1.32	0.0873		---	0.00397
135	135/151	36.845	1.26	0.379		---	0.00516
136		34.330	1.25	0.136		---	0.00285
137		41.729	1.42	0.0700		---	0.00255
138	129/138/163	42.165	1.23	(1.28)		---	0.0109
139	139/140	38.426	1.15	0.0304	J	---	0.00437
140	139/140	38.426	1.15	(0.0304)	J	---	0.00437
141		41.092	1.28	0.141		---	0.00245
142		---	---	ND		---	0.00192
143	134/143	37.991	1.32	(0.0873)		---	0.00397
144		37.415	1.24	0.0343	J	---	0.00208

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW DUP 01
Lab Sample ID	40268156032
Filename	Y231007B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
145		---	---	ND		---	0.00200
146		40.254	1.33	0.193		---	0.00253
147	147/149	37.789	1.24	0.910		---	0.00894
148		36.208	1.27	0.00353	J	---	0.00233
149	147/149	37.789	1.24	(0.910)		---	0.00894
150		33.961	1.30	0.00323	J	---	0.00129
151	135/151	36.845	1.26	(0.379)		---	0.00516
152		33.760	1.50	---	IJ	0.00216	0.00212
153	153/168	40.891	1.25	0.855		---	0.00767
154		37.097	1.20	0.0237	J	---	0.00175
155		---	---	ND		---	0.00153
156	156/157	46.379	1.24	0.173		---	0.00443
157	156/157	46.379	1.24	(0.173)		---	0.00443
158		42.568	1.24	0.108		---	0.00257
159		44.434	1.08	0.00366	J	---	0.00279
160		---	---	ND		---	0.00257
161		---	---	ND		---	0.00185
162		44.736	1.52	---	IJ	0.00496	0.00231
163	129/138/163	42.165	1.23	(1.28)		---	0.0109
164		41.830	1.09	0.0779		---	0.00241
165		40.002	1.24	0.00243	J	---	0.00206
166	128/166	43.456	1.24	(0.221)		---	0.00433
167		45.222	1.21	0.0637		---	0.00214
168	153/168	40.891	1.25	(0.855)		---	0.00767
169		---	---	ND		---	0.00160
170		49.078	0.96	0.141		---	0.00494
171	171/173	45.507	1.10	0.0508	J	---	0.00605
172		47.150	0.91	0.0270	J	---	0.0140
173	171/173	45.507	1.10	(0.0508)	J	---	0.00605
174		44.401	1.05	0.109		---	0.00318
175		43.272	1.17	0.00529	J	---	0.00151
176		40.757	1.10	0.0151	J	---	0.00223
177		44.853	1.07	0.0948		---	0.00334
178		42.618	1.18	0.0323	J	---	0.00225
179		39.852	1.04	0.0505		---	0.00241
180	180/193	47.804	1.06	0.221		---	0.00571
181		45.289	1.17	0.00373	J	---	0.00273
182		---	---	ND		---	0.00257
183	183/185	44.183	1.03	0.0714	J	---	0.00565
184		---	---	ND		---	0.00208
185	183/185	44.183	1.03	(0.0714)	J	---	0.00565
186		---	---	ND		---	0.00156
187		43.540	1.06	0.140		---	0.00326
188		---	---	ND		---	0.00247
189		52.236	1.08	0.00737	J	---	0.00215
190		49.632	1.06	0.0266	J	---	0.00253
191		48.156	1.12	0.00467	J	---	0.00217
192		---	---	ND		---	0.00247

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW DUP 01
Lab Sample ID	40268156032
Filename	Y231007B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
193	180/193	47.804	1.06	(0.221)		---	0.00571
194		54.326	0.89	0.0365	J	---	0.00187
195		51.999	0.70	---	IJ	0.0135	0.00172
196		50.453	0.85	0.0166	J	---	0.00174
197	197/200	46.966	0.84	0.00697	J	---	0.00471
198	198/199	49.783	0.88	0.0427	J	---	0.00283
199	198/199	49.783	0.88	(0.0427)	J	---	0.00283
200	197/200	46.966	0.84	(0.00697)	J	---	0.00471
201		45.943	0.85	0.00463	J	---	0.00144
202		44.987	0.89	0.0106	J	---	0.00231
203		50.671	0.98	0.0224	J	---	0.00181
204		---	---	ND		---	0.00168
205		54.843	0.96	0.00265	J	---	0.00198
206		56.568	0.74	0.0130	J	---	0.00384
207		---	---	ND		---	0.00229
208		51.762	1.17	---	IJ	0.00283	0.00223
209		---	---	ND		---	0.0172

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW DUP 01
Lab Sample ID	40268156032
Filename	Y231007B_08

Congener Group	Concentration ng/L	
Total Monochloro Biphenyls	0.0407	J
Total Dichloro Biphenyls	0.497	J
Total Trichloro Biphenyls	1.34	J
Total Tetrachloro Biphenyls	5.72	J
Total Pentachloro Biphenyls	8.41	J
Total Hexachloro Biphenyls	5.41	J
Total Heptachloro Biphenyls	1.00	J
Total Octachloro Biphenyls	0.143	J
Total Nonachloro Biphenyls	0.0130	J
DecachloroBiphenyls	ND	
Total PCBs	22.6	J

ND = Not Detected

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	MR SW EB01		
Lab Sample ID	40268156033		
Filename	Y231007B_09		
Injected By	BAL		
Total Amount Extracted	1030 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/13/2023 15:45
ICAL ID	Y231007B02	Received	09/19/2023 16:15
CCal Filename(s)	Y231007B_01	Extracted	09/27/2023 14:30
Method Blank ID	BLANK-108511	Analyzed	10/08/2023 09:42

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	11.037	3.12	2.0	1.26	63
13C-4-MoCB	3	13.780	3.09	2.0	1.51	76
13C-2,2'-DiCB	4	14.080	1.64	2.0	1.24	62
13C-4,4'-DiCB	15	21.098	1.56	2.0	1.76	88
13C-2,2',6-TrCB	19	17.863	1.09	2.0	1.37	68
13C-3,4,4'-TrCB	37	28.826	1.06	2.0	2.06	103
13C-2,2',6,6'-TeCB	54	21.448	0.80	2.0	1.63	82
13C-3,4,4',5-TeCB	81	35.956	0.79	2.0	2.16	108
13C-3,3',4,4'-TeCB	77	36.527	0.80	2.0	2.17	109
13C-2,2',4,6,6'-PeCB	104	27.518	1.70	2.0	1.67	84
13C-2,3,3',4,4'-PeCB	105	40.137	1.56	2.0	2.21	111
13C-2,3,4,4',5-PeCB	114	39.500	1.60	2.0	2.23	112
13C-2,3',4,4',5-PeCB	118	38.930	1.60	2.0	2.19	110
13C-2,3',4,4',5'-PeCB	123	38.594	1.59	2.0	2.22	111
13C-3,3',4,4',5-PeCB	126	43.289	1.58	2.0	2.13	107
13C-2,2',4,4',6,6'-HxCB	155	33.576	1.32	2.0	1.61	81
13C-HxCB(156/157)	156/157	46.362	1.26	4.0	4.38	110
13C-2,3',4,4',5,5'-HxCB	167	45.189	1.28	2.0	2.23	112
13C-3,3',4,4',5,5'-HxCB	169	49.632	1.27	2.0	2.11	106
13C-2,2',3,4',5,6,6'-HpCB	188	39.483	1.02	2.0	1.53	76
13C-2,3,3',4,4',5,5'-HpCB	189	52.193	1.06	2.0	1.93	96
13C-2,2',3,3',5,5',6,6'-OcCB	202	44.954	0.91	2.0	1.56	78
13C-2,3,3',4,4',5,5',6-OcCB	205	54.800	0.89	2.0	1.79	89
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.546	0.80	2.0	1.64	82
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.718	0.82	2.0	1.66	83
13C-DeCB	209	58.206	0.72	2.0	1.56	78
CleanupStandards						
13C-2,4,4'-TrCB	28	24.500	1.06	2.0	1.77	89
13C-2,3,3',5,5'-PeCB	111	36.560	1.60	2.0	1.63	82
13C-2,2',3,3',5,5',6-HpCB	178	42.568	1.01	2.0	1.57	79
Recovery Standards						
13C-2,5-DiCB	9	16.510	1.53	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	26.478	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.777	1.63	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	42.132	1.29	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	54.305	0.89	2.0	NA	NA

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW EB01
Lab Sample ID	40268156033
Filename	Y231007B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
1		11.049	3.18	0.00573 J	---	0.00541
2		---	---	ND	---	0.00493
3		13.792	2.68	0.00631 BJ	---	0.00427
4		---	---	ND	---	0.00729
5		---	---	ND	---	0.00178
6		---	---	ND	---	0.00910
7		---	---	ND	---	0.00902
8		17.528	1.38	0.0120 J	---	0.0119
9		---	---	ND	---	0.00239
10		---	---	ND	---	0.00283
11		20.415	1.56	0.149 J	---	0.141
12	12/13	---	---	ND	---	0.00510
13	12/13	---	---	ND	---	0.00510
14		---	---	ND	---	0.00170
15		---	---	ND	---	0.00586
16		---	---	ND	---	0.00597
17		20.535	1.00	0.00579 J	---	0.00500
18	18/30	---	---	ND	---	0.0111
19		---	---	ND	---	0.00809
20	20/28	---	---	ND	---	0.0176
21	21/33	---	---	ND	---	0.0127
22		---	---	ND	---	0.00735
23		---	---	ND	---	0.00154
24		---	---	ND	---	0.00185
25		---	---	ND	---	0.00277
26	26/29	---	---	ND	---	0.00444
27		---	---	ND	---	0.00196
28	20/28	---	---	ND	---	0.0176
29	26/29	---	---	ND	---	0.00444
30	18/30	---	---	ND	---	0.0111
31		---	---	ND	---	0.0171
32		---	---	ND	---	0.00710
33	21/33	---	---	ND	---	0.0127
34		---	---	ND	---	0.00157
35		---	---	ND	---	0.00310
36		---	---	ND	---	0.00196
37		---	---	ND	---	0.00409
38		---	---	ND	---	0.00144
39		---	---	ND	---	0.00159
40	40/41/71	---	---	ND	---	0.00787
41	40/41/71	---	---	ND	---	0.00787
42		---	---	ND	---	0.00427
43	43/73	---	---	ND	---	0.00380
44	44/47/65	---	---	ND	---	0.0181
45	45/51	---	---	ND	---	0.00559
46		---	---	ND	---	0.00221
47	44/47/65	---	---	ND	---	0.0181
48		---	---	ND	---	0.00283

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Sample Analysis Results

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Lab Sample ID	40268156033
Filename	Y231007B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
49	49/69	27.031	0.62	---	IJ	0.00771	0.00656
50	50/53	---	---	ND		---	0.00368
51	45/51	---	---	ND		---	0.00559
52		26.495	0.90	---	IJ	0.0185	0.0161
53	50/53	---	---	ND		---	0.00368
54		---	---	ND		---	0.00156
55		---	---	ND		---	0.00209
56		---	---	ND		---	0.00983
57		---	---	ND		---	0.00146
58		---	---	ND		---	0.00185
59	59/62/75	---	---	ND		---	0.00403
60		---	---	ND		---	0.00334
61	61/70/74/76	---	---	ND		---	0.0312
62	59/62/75	---	---	ND		---	0.00403
63		---	---	ND		---	0.00170
64		---	---	ND		---	0.00545
65	44/47/65	---	---	ND		---	0.0181
66		---	---	ND		---	0.0213
67		---	---	ND		---	0.00219
68		---	---	ND		---	0.00244
69	49/69	27.031	0.62	---	IJ	(0.00771)	0.00656
70	61/70/74/76	---	---	ND		---	0.0312
71	40/41/71	---	---	ND		---	0.00787
72		---	---	ND		---	0.00172
73	43/73	---	---	ND		---	0.00380
74	61/70/74/76	---	---	ND		---	0.0312
75	59/62/75	---	---	ND		---	0.00403
76	61/70/74/76	---	---	ND		---	0.0312
77		---	---	ND		---	0.00258
78		---	---	ND		---	0.00225
79		---	---	ND		---	0.00227
80		---	---	ND		---	0.00208
81		---	---	ND		---	0.00173
82		---	---	ND		---	0.00250
83		---	---	ND		---	0.00233
84		---	---	ND		---	0.0129
85	85/116/117	---	---	ND		---	0.00506
86	86/87/97/108/119/125	---	---	ND		---	0.0148
87	86/87/97/108/119/125	---	---	ND		---	0.0148
88	88/91	---	---	ND		---	0.00481
89		---	---	ND		---	0.00304
90	90/101/113	33.810	1.62	0.0120	J	---	0.0116
91	88/91	---	---	ND		---	0.00481
92		---	---	ND		---	0.00382
93	93/98/100/102	---	---	ND		---	0.00551
94		---	---	ND		---	0.00184
95		30.692	1.51	0.0113	BJ	---	0.00848
96		---	---	ND		---	0.00306

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW EB01
Lab Sample ID	40268156033
Filename	Y231007B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
97	86/87/97/108/119/125	---	---	ND	---	0.0148
98	93/98/100/102	---	---	ND	---	0.00551
99		---	---	ND	---	0.00576
100	93/98/100/102	---	---	ND	---	0.00551
101	90/101/113	33.810	1.62	(0.0120) J	---	0.0116
102	93/98/100/102	---	---	ND	---	0.00551
103		---	---	ND	---	0.00191
104		---	---	ND	---	0.00149
105		---	---	ND	---	0.00553
106		---	---	ND	---	0.00173
107	107/124	---	---	ND	---	0.00256
108	86/87/97/108/119/125	---	---	ND	---	0.0148
109		---	---	ND	---	0.00194
110	110/115	---	---	ND	---	0.0126
111		---	---	ND	---	0.00200
112		---	---	ND	---	0.00172
113	90/101/113	33.810	1.62	(0.0120) J	---	0.0116
114		---	---	ND	---	0.00223
115	110/115	---	---	ND	---	0.0126
116	85/116/117	---	---	ND	---	0.00506
117	85/116/117	---	---	ND	---	0.00506
118		---	---	ND	---	0.00873
119	86/87/97/108/119/125	---	---	ND	---	0.0148
120		---	---	ND	---	0.00166
121		---	---	ND	---	0.00127
122		---	---	ND	---	0.00189
123		---	---	ND	---	0.00215
124	107/124	---	---	ND	---	0.00256
125	86/87/97/108/119/125	---	---	ND	---	0.0148
126		---	---	ND	---	0.00217
127		---	---	ND	---	0.00130
128	128/166	---	---	ND	---	0.00425
129	129/138/163	---	---	ND	---	0.0107
130		---	---	ND	---	0.00213
131		---	---	ND	---	0.00275
132		---	---	ND	---	0.00401
133		---	---	ND	---	0.00260
134	134/143	---	---	ND	---	0.00390
135	135/151	---	---	ND	---	0.00506
136		---	---	ND	---	0.00279
137		---	---	ND	---	0.00250
138	129/138/163	---	---	ND	---	0.0107
139	139/140	---	---	ND	---	0.00429
140	139/140	---	---	ND	---	0.00429
141		---	---	ND	---	0.00240
142		---	---	ND	---	0.00188
143	134/143	---	---	ND	---	0.00390
144		---	---	ND	---	0.00204

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW EB01
Lab Sample ID 40268156033
Filename Y231007B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
145		---	---	ND	---	0.00196
146		---	---	ND	---	0.00248
147	147/149	---	---	ND	---	0.00877
148		---	---	ND	---	0.00229
149	147/149	---	---	ND	---	0.00877
150		---	---	ND	---	0.00127
151	135/151	---	---	ND	---	0.00506
152		---	---	ND	---	0.00208
153	153/168	---	---	ND	---	0.00753
154		---	---	ND	---	0.00171
155		---	---	ND	---	0.00150
156	156/157	---	---	ND	---	0.00434
157	156/157	---	---	ND	---	0.00434
158		---	---	ND	---	0.00252
159		---	---	ND	---	0.00273
160		---	---	ND	---	0.00252
161		---	---	ND	---	0.00182
162		---	---	ND	---	0.00227
163	129/138/163	---	---	ND	---	0.0107
164		---	---	ND	---	0.00237
165		---	---	ND	---	0.00202
166	128/166	---	---	ND	---	0.00425
167		---	---	ND	---	0.00209
168	153/168	---	---	ND	---	0.00753
169		---	---	ND	---	0.00157
170		---	---	ND	---	0.00485
171	171/173	---	---	ND	---	0.00593
172		---	---	ND	---	0.0138
173	171/173	---	---	ND	---	0.00593
174		---	---	ND	---	0.00312
175		---	---	ND	---	0.00148
176		---	---	ND	---	0.00219
177		---	---	ND	---	0.00328
178		---	---	ND	---	0.00221
179		---	---	ND	---	0.00237
180	180/193	---	---	ND	---	0.00561
181		---	---	ND	---	0.00268
182		---	---	ND	---	0.00252
183	183/185	---	---	ND	---	0.00555
184		---	---	ND	---	0.00204
185	183/185	---	---	ND	---	0.00555
186		---	---	ND	---	0.00153
187		---	---	ND	---	0.00320
188		---	---	ND	---	0.00242
189		---	---	ND	---	0.00211
190		---	---	ND	---	0.00248
191		---	---	ND	---	0.00213
192		---	---	ND	---	0.00242

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW EB01
Lab Sample ID	40268156033
Filename	Y231007B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
193	180/193	---	---	ND	---	0.00561
194		---	---	ND	---	0.00183
195		---	---	ND	---	0.00169
196		---	---	ND	---	0.00171
197	197/200	---	---	ND	---	0.00462
198	198/199	---	---	ND	---	0.00277
199	198/199	---	---	ND	---	0.00277
200	197/200	---	---	ND	---	0.00462
201		---	---	ND	---	0.00141
202		---	---	ND	---	0.00227
203		---	---	ND	---	0.00178
204		---	---	ND	---	0.00165
205		---	---	ND	---	0.00194
206		---	---	ND	---	0.00376
207		---	---	ND	---	0.00225
208		---	---	ND	---	0.00219
209		---	---	ND	---	0.0169

Conc = Concentration
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RT = Retention Time
I = Interference
ng's = Nanograms

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW EB01
Lab Sample ID	40268156033
Filename	Y231007B_09

Congener Group	Concentration ng/L	
Total Monochloro Biphenyls	0.0120	J
Total Dichloro Biphenyls	0.161	J
Total Trichloro Biphenyls	0.00579	J
Total Tetrachloro Biphenyls	ND	
Total Pentachloro Biphenyls	0.0233	J
Total Hexachloro Biphenyls	ND	
Total Heptachloro Biphenyls	ND	
Total Octachloro Biphenyls	ND	
Total Nonachloro Biphenyls	ND	
DecachloroBiphenyls	ND	
Total PCBs	0.202	J

ND = Not Detected

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	MR SW FB 01		
Lab Sample ID	40268156034		
Filename	Y231007B_10		
Injected By	BAL		
Total Amount Extracted	1050 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/13/2023 19:30
ICAL ID	Y231007B02	Received	09/19/2023 16:15
CCal Filename(s)	Y231007B_01	Extracted	09/27/2023 14:30
Method Blank ID	BLANK-108511	Analyzed	10/08/2023 10:44

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.857	3.02	2.0	0.961	48
13C-4-MoCB	3	13.660	3.05	2.0	1.26	63
13C-2,2'-DiCB	4	13.972	1.62	2.0	1.00	50
13C-4,4'-DiCB	15	21.074	1.57	2.0	1.76	88
13C-2,2',6-TrCB	19	17.803	1.09	2.0	1.19	60
13C-3,4,4'-TrCB	37	28.842	1.06	2.0	2.11	106
13C-2,2',6,6'-TeCB	54	21.414	0.78	2.0	1.50	75
13C-3,4,4',5-TeCB	81	35.973	0.79	2.0	2.38	119
13C-3,3',4,4'-TeCB	77	36.543	0.80	2.0	2.39	119
13C-2,2',4,6,6'-PeCB	104	27.517	1.63	2.0	1.64	82
13C-2,3,3',4,4'-PeCB	105	40.153	1.60	2.0	2.37	118
13C-2,3,4,4',5-PeCB	114	39.499	1.60	2.0	2.42	121
13C-2,3',4,4',5-PeCB	118	38.946	1.57	2.0	2.38	119
13C-2,3',4,4',5'-PeCB	123	38.611	1.57	2.0	2.43	121
13C-3,3',4,4',5-PeCB	126	43.305	1.59	2.0	2.35	117
13C-2,2',4,4',6,6'-HxCB	155	33.592	1.32	2.0	1.66	83
13C-HxCB(156/157)	156/157	46.379	1.27	4.0	4.68	117
13C-2,3',4,4',5,5'-HxCB	167	45.205	1.25	2.0	2.39	120
13C-3,3',4,4',5,5'-HxCB	169	49.648	1.30	2.0	2.28	114
13C-2,2',3,4',5,6,6'-HpCB	188	39.482	1.01	2.0	1.64	82
13C-2,3,3',4,4',5,5'-HpCB	189	52.213	1.08	2.0	2.06	103
13C-2,2',3,3',5,5',6,6'-OcCB	202	44.953	0.89	2.0	1.68	84
13C-2,3,3',4,4',5,5',6-OcCB	205	54.799	0.90	2.0	1.90	95
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.545	0.84	2.0	1.77	88
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.717	0.80	2.0	1.82	91
13C-DeCB	209	58.204	0.72	2.0	1.66	83
CleanupStandards						
13C-2,4,4'-TrCB	28	24.483	1.05	2.0	1.93	97
13C-2,3,3',5,5'-PeCB	111	36.577	1.60	2.0	1.82	91
13C-2,2',3,3',5,5',6-HpCB	178	42.584	1.01	2.0	1.78	89
Recovery Standards						
13C-2,5-DiCB	9	16.438	1.56	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	26.478	0.78	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.793	1.57	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	42.132	1.27	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	54.304	0.91	2.0	NA	NA

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW FB 01
Lab Sample ID	40268156034
Filename	Y231007B_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
1		---	---	ND	---	0.00532
2		13.457	3.07	0.00501 J	---	0.00485
3		13.672	2.93	0.00678 BJ	---	0.00420
4		---	---	ND	---	0.00717
5		---	---	ND	---	0.00175
6		---	---	ND	---	0.00895
7		---	---	ND	---	0.00887
8		---	---	ND	---	0.0117
9		---	---	ND	---	0.00235
10		---	---	ND	---	0.00279
11		20.367	1.60	0.145 J	---	0.138
12	12/13	---	---	ND	---	0.00502
13	12/13	---	---	ND	---	0.00502
14		---	---	ND	---	0.00167
15		---	---	ND	---	0.00576
16		---	---	ND	---	0.00588
17		---	---	ND	---	0.00492
18	18/30	20.008	1.08	0.0111 J	---	0.0109
19		---	---	ND	---	0.00795
20	20/28	---	---	ND	---	0.0174
21	21/33	---	---	ND	---	0.0125
22		---	---	ND	---	0.00723
23		---	---	ND	---	0.00151
24		---	---	ND	---	0.00182
25		---	---	ND	---	0.00273
26	26/29	---	---	ND	---	0.00437
27		---	---	ND	---	0.00193
28	20/28	---	---	ND	---	0.0174
29	26/29	---	---	ND	---	0.00437
30	18/30	20.008	1.08	(0.0111) J	---	0.0109
31		---	---	ND	---	0.0168
32		---	---	ND	---	0.00698
33	21/33	---	---	ND	---	0.0125
34		---	---	ND	---	0.00155
35		---	---	ND	---	0.00305
36		---	---	ND	---	0.00193
37		---	---	ND	---	0.00403
38		---	---	ND	---	0.00142
39		---	---	ND	---	0.00157
40	40/41/71	---	---	ND	---	0.00774
41	40/41/71	---	---	ND	---	0.00774
42		---	---	ND	---	0.00420
43	43/73	---	---	ND	---	0.00374
44	44/47/65	---	---	ND	---	0.0178
45	45/51	---	---	ND	---	0.00549
46		---	---	ND	---	0.00217
47	44/47/65	---	---	ND	---	0.0178
48		---	---	ND	---	0.00279

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW FB 01
Lab Sample ID	40268156034
Filename	Y231007B_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L		EMPC ng/L	EML ng/L
49	49/69	27.014	0.75	0.00703	J	---	0.00645
50	50/53	---	---	ND		---	0.00362
51	45/51	---	---	ND		---	0.00549
52		26.511	0.85	0.0173	J	---	0.0159
53	50/53	---	---	ND		---	0.00362
54		---	---	ND		---	0.00154
55		---	---	ND		---	0.00206
56		---	---	ND		---	0.00967
57		---	---	ND		---	0.00143
58		---	---	ND		---	0.00182
59	59/62/75	---	---	ND		---	0.00397
60		---	---	ND		---	0.00328
61	61/70/74/76	---	---	ND		---	0.0307
62	59/62/75	---	---	ND		---	0.00397
63		---	---	ND		---	0.00167
64		---	---	ND		---	0.00536
65	44/47/65	---	---	ND		---	0.0178
66		---	---	ND		---	0.0210
67		---	---	ND		---	0.00216
68		---	---	ND		---	0.00240
69	49/69	27.014	0.75	(0.00703)	J	---	0.00645
70	61/70/74/76	---	---	ND		---	0.0307
71	40/41/71	---	---	ND		---	0.00774
72		---	---	ND		---	0.00169
73	43/73	---	---	ND		---	0.00374
74	61/70/74/76	---	---	ND		---	0.0307
75	59/62/75	---	---	ND		---	0.00397
76	61/70/74/76	---	---	ND		---	0.0307
77		---	---	ND		---	0.00254
78		---	---	ND		---	0.00221
79		---	---	ND		---	0.00223
80		---	---	ND		---	0.00204
81		---	---	ND		---	0.00171
82		---	---	ND		---	0.00246
83		---	---	ND		---	0.00229
84		---	---	ND		---	0.0127
85	85/116/117	---	---	ND		---	0.00498
86	86/87/97/108/119/125	---	---	ND		---	0.0146
87	86/87/97/108/119/125	---	---	ND		---	0.0146
88	88/91	---	---	ND		---	0.00473
89		---	---	ND		---	0.00299
90	90/101/113	---	---	ND		---	0.0114
91	88/91	---	---	ND		---	0.00473
92		---	---	ND		---	0.00376
93	93/98/100/102	---	---	ND		---	0.00542
94		---	---	ND		---	0.00181
95		30.708	1.66	0.00843	BJ	---	0.00834
96		---	---	ND		---	0.00301

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Minneapolis, MN 55414

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW FB 01
Lab Sample ID 40268156034
Filename Y231007B_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
97	86/87/97/108/119/125	---	---	ND	---	0.0146
98	93/98/100/102	---	---	ND	---	0.00542
99		---	---	ND	---	0.00567
100	93/98/100/102	---	---	ND	---	0.00542
101	90/101/113	---	---	ND	---	0.0114
102	93/98/100/102	---	---	ND	---	0.00542
103		---	---	ND	---	0.00188
104		---	---	ND	---	0.00146
105		---	---	ND	---	0.00544
106		---	---	ND	---	0.00170
107	107/124	---	---	ND	---	0.00252
108	86/87/97/108/119/125	---	---	ND	---	0.0146
109		---	---	ND	---	0.00191
110	110/115	---	---	ND	---	0.0124
111		---	---	ND	---	0.00196
112		---	---	ND	---	0.00170
113	90/101/113	---	---	ND	---	0.0114
114		---	---	ND	---	0.00219
115	110/115	---	---	ND	---	0.0124
116	85/116/117	---	---	ND	---	0.00498
117	85/116/117	---	---	ND	---	0.00498
118		---	---	ND	---	0.00858
119	86/87/97/108/119/125	---	---	ND	---	0.0146
120		---	---	ND	---	0.00163
121		---	---	ND	---	0.00125
122		---	---	ND	---	0.00186
123		---	---	ND	---	0.00212
124	107/124	---	---	ND	---	0.00252
125	86/87/97/108/119/125	---	---	ND	---	0.0146
126		---	---	ND	---	0.00214
127		---	---	ND	---	0.00128
128	128/166	---	---	ND	---	0.00418
129	129/138/163	---	---	ND	---	0.0105
130		---	---	ND	---	0.00210
131		---	---	ND	---	0.00271
132		---	---	ND	---	0.00395
133		---	---	ND	---	0.00256
134	134/143	---	---	ND	---	0.00383
135	135/151	---	---	ND	---	0.00498
136		---	---	ND	---	0.00275
137		---	---	ND	---	0.00246
138	129/138/163	---	---	ND	---	0.0105
139	139/140	---	---	ND	---	0.00422
140	139/140	---	---	ND	---	0.00422
141		---	---	ND	---	0.00237
142		---	---	ND	---	0.00185
143	134/143	---	---	ND	---	0.00383
144		---	---	ND	---	0.00200

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

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Lab Sample ID	40268156034
Filename	Y231007B_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
145		---	---	ND	---	0.00193
146		---	---	ND	---	0.00244
147	147/149	---	---	ND	---	0.00862
148		---	---	ND	---	0.00225
149	147/149	---	---	ND	---	0.00862
150		---	---	ND	---	0.00125
151	135/151	---	---	ND	---	0.00498
152		---	---	ND	---	0.00204
153	153/168	---	---	ND	---	0.00740
154		---	---	ND	---	0.00168
155		---	---	ND	---	0.00147
156	156/157	---	---	ND	---	0.00427
157	156/157	---	---	ND	---	0.00427
158		---	---	ND	---	0.00248
159		---	---	ND	---	0.00269
160		---	---	ND	---	0.00248
161		---	---	ND	---	0.00179
162		---	---	ND	---	0.00223
163	129/138/163	---	---	ND	---	0.0105
164		---	---	ND	---	0.00233
165		---	---	ND	---	0.00198
166	128/166	---	---	ND	---	0.00418
167		---	---	ND	---	0.00206
168	153/168	---	---	ND	---	0.00740
169		---	---	ND	---	0.00154
170		---	---	ND	---	0.00477
171	171/173	---	---	ND	---	0.00584
172		---	---	ND	---	0.0135
173	171/173	---	---	ND	---	0.00584
174		---	---	ND	---	0.00307
175		---	---	ND	---	0.00146
176		---	---	ND	---	0.00216
177		---	---	ND	---	0.00322
178		---	---	ND	---	0.00217
179		---	---	ND	---	0.00233
180	180/193	---	---	ND	---	0.00551
181		---	---	ND	---	0.00263
182		---	---	ND	---	0.00248
183	183/185	---	---	ND	---	0.00546
184		---	---	ND	---	0.00200
185	183/185	---	---	ND	---	0.00546
186		---	---	ND	---	0.00151
187		---	---	ND	---	0.00315
188		---	---	ND	---	0.00238
189		---	---	ND	---	0.00208
190		---	---	ND	---	0.00244
191		---	---	ND	---	0.00210
192		---	---	ND	---	0.00238

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

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Lab Sample ID	40268156034
Filename	Y231007B_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
193	180/193	---	---	ND	---	0.00551
194		---	---	ND	---	0.00180
195		---	---	ND	---	0.00166
196		---	---	ND	---	0.00168
197	197/200	---	---	ND	---	0.00454
198	198/199	---	---	ND	---	0.00273
199	198/199	---	---	ND	---	0.00273
200	197/200	---	---	ND	---	0.00454
201		---	---	ND	---	0.00139
202		---	---	ND	---	0.00223
203		---	---	ND	---	0.00175
204		---	---	ND	---	0.00162
205		---	---	ND	---	0.00191
206		---	---	ND	---	0.00370
207		---	---	ND	---	0.00221
208		---	---	ND	---	0.00216
209		---	---	ND	---	0.0166

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Congener Group	Concentration ng/L	
Total Monochloro Biphenyls	0.0118	J
Total Dichloro Biphenyls	0.145	J
Total Trichloro Biphenyls	0.0111	J
Total Tetrachloro Biphenyls	0.0243	J
Total Pentachloro Biphenyls	0.00843	J
Total Hexachloro Biphenyls	ND	
Total Heptachloro Biphenyls	ND	
Total Octachloro Biphenyls	ND	
Total Nonachloro Biphenyls	ND	
DecachloroBiphenyls	ND	
Total PCBs	0.200	J

ND = Not Detected

Pace Analytical Services, LLC.
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Method 1668C Polychlorobiphenyl
Blank Analysis Results

Lab Sample ID	BLANK-108511		
Filename	P231001A_06		
Injected By	JRH	Matrix	Water
Total Amount Extracted	1000 mL	Extracted	09/27/2023 14:30
ICAL ID	P231001A02	Analyzed	10/01/2023 09:54
CCal Filename(s)	P231001A_01	Dilution	NA

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.023	3.04	2.0	1.51	75
13C-4-MoCB	3	12.726	3.15	2.0	1.80	90
13C-2,2'-DiCB	4	13.031	1.57	2.0	1.47	74
13C-4,4'-DiCB	15	20.014	1.57	2.0	2.09	104
13C-2,2',6-TrCB	19	16.776	1.06	2.0	1.78	89
13C-3,4,4'-TrCB	37	27.744	1.05	2.0	1.83	91
13C-2,2',6,6'-TeCB	54	20.350	0.80	2.0	1.53	77
13C-3,4,4',5-TeCB	81	34.881	0.78	2.0	2.11	105
13C-3,3',4,4'-TeCB	77	35.453	0.79	2.0	2.18	109
13C-2,2',4,6,6'-PeCB	104	26.429	1.60	2.0	1.45	72
13C-2,3,3',4,4'-PeCB	105	39.072	1.58	2.0	1.87	94
13C-2,3,4,4',5-PeCB	114	38.418	1.60	2.0	1.83	91
13C-2,3',4,4',5-PeCB	118	37.865	1.59	2.0	1.81	90
13C-2,3',4,4',5'-PeCB	123	37.530	1.57	2.0	1.79	90
13C-3,3',4,4',5-PeCB	126	42.225	1.58	2.0	2.01	101
13C-2,2',4,4',6,6'-HxCB	155	32.484	1.30	2.0	1.40	70
13C-HxCB (156/157)	156/157	45.315	1.27	4.0	3.23	81
13C-2,3',4,4',5,5'-HxCB	167	44.142	1.28	2.0	1.63	82
13C-3,3',4,4',5,5'-HxCB	169	48.602	1.25	2.0	1.72	86
13C-2,2',3,4',5,6,6'-HpCB	188	38.402	1.04	2.0	1.61	80
13C-2,3,3',4,4',5,5'-HpCB	189	51.161	1.03	2.0	1.56	78
13C-2,2',3,3',5,5',6,6'-OcCB	202	43.890	0.89	2.0	1.69	85
13C-2,3,3',4,4',5,5',6-OcCB	205	53.769	0.87	2.0	1.90	95
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.558	0.80	2.0	1.97	99
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	50.665	0.80	2.0	1.95	98
13C-DeCB	209	57.433	0.70	2.0	1.80	90
Cleanup Standards						
13C-2,4,4'-TrCB	28	23.413	1.04	2.0	1.47	73
13C-2,3,3',5,5'-PeCB	111	35.500	1.57	2.0	1.80	90
13C-2,2',3,3',5,5',6-HpCB	178	41.521	1.05	2.0	1.62	81
Recovery Standards						
13C-2,5-DiCB	9	15.439	1.58	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.393	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	32.700	1.58	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.068	1.28	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	53.273	0.90	2.0	NA	NA

Conc = Concentration
EML =Method Specified Reporting Limit (1668C)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668C control limits
Nn = Value obtained from additional analyses

ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference
ng's = Nanograms

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
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Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Blank Analysis Results

Lab Sample ID BLANK-108511
Filename P231001A_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
1		---	---	ND	---	0.00558
2		---	---	ND	---	0.00508
3		12.748	3.56	0.00627	---	0.00440
4		---	---	ND	---	0.00752
5		---	---	ND	---	0.00183
6		---	---	ND	---	0.00938
7		---	---	ND	---	0.00930
8		---	---	ND	---	0.0123
9		---	---	ND	---	0.00246
10		---	---	ND	---	0.00292
11		---	---	ND	---	0.145
12	12/13	---	---	ND	---	0.00526
13	12/13	---	---	ND	---	0.00526
14		---	---	ND	---	0.00175
15		---	---	ND	---	0.00604
16		---	---	ND	---	0.00616
17		---	---	ND	---	0.00516
18	18/30	---	---	ND	---	0.0114
19		---	---	ND	---	0.00834
20	20/28	---	---	ND	---	0.0182
21	21/33	---	---	ND	---	0.0131
22		---	---	ND	---	0.00758
23		---	---	ND	---	0.00159
24		---	---	ND	---	0.00191
25		---	---	ND	---	0.00286
26	26/29	---	---	ND	---	0.00458
27		---	---	ND	---	0.00202
28	20/28	---	---	ND	---	0.0182
29	26/29	---	---	ND	---	0.00458
30	18/30	---	---	ND	---	0.0114
31		---	---	ND	---	0.0176
32		---	---	ND	---	0.00732
33	21/33	---	---	ND	---	0.0131
34		---	---	ND	---	0.00162
35		---	---	ND	---	0.00320
36		---	---	ND	---	0.00202
37		---	---	ND	---	0.00422
38		---	---	ND	---	0.00149
39		---	---	ND	---	0.00164
40	40/41/71	---	---	ND	---	0.00812
41	40/41/71	---	---	ND	---	0.00812
42		---	---	ND	---	0.00440
43	43/73	---	---	ND	---	0.00392
44	44/47/65	---	---	ND	---	0.0187
45	45/51	---	---	ND	---	0.00576

Conc = Concentration
EML =Method Specified Reporting Limit (1668C)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668C control limits
ng/L = Nanograms per liter

ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference

REPORT OF LABORATORY ANALYSIS

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Tel: 612-607-1700
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Method 1668C Polychlorobiphenyl
Blank Analysis Results

Lab Sample ID BLANK-108511
Filename P231001A_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
46		---	---	ND	---	0.00228
47	44/47/65	---	---	ND	---	0.0187
48		---	---	ND	---	0.00292
49	49/69	---	---	ND	---	0.00676
50	50/53	---	---	ND	---	0.00380
51	45/51	---	---	ND	---	0.00576
52		---	---	ND	---	0.0166
53	50/53	---	---	ND	---	0.00380
54		---	---	ND	---	0.00161
55		---	---	ND	---	0.00216
56		---	---	ND	---	0.0101
57		---	---	ND	---	0.00150
58		---	---	ND	---	0.00191
59	59/62/75	---	---	ND	---	0.00416
60		---	---	ND	---	0.00344
61	61/70/74/76	---	---	ND	---	0.0322
62	59/62/75	---	---	ND	---	0.00416
63		---	---	ND	---	0.00175
64		---	---	ND	---	0.00562
65	44/47/65	---	---	ND	---	0.0187
66		---	---	ND	---	0.0220
67		---	---	ND	---	0.00226
68		---	---	ND	---	0.00252
69	49/69	---	---	ND	---	0.00676
70	61/70/74/76	---	---	ND	---	0.0322
71	40/41/71	---	---	ND	---	0.00812
72		---	---	ND	---	0.00177
73	43/73	---	---	ND	---	0.00392
74	61/70/74/76	---	---	ND	---	0.0322
75	59/62/75	---	---	ND	---	0.00416
76	61/70/74/76	---	---	ND	---	0.0322
77		---	---	ND	---	0.00266
78		---	---	ND	---	0.00232
79		---	---	ND	---	0.00234
80		---	---	ND	---	0.00214
81		---	---	ND	---	0.00179
82		---	---	ND	---	0.00258
83		---	---	ND	---	0.00240
84		---	---	ND	---	0.0133
85	85/116/117	---	---	ND	---	0.00522
86	86/87/97/108/119/125	---	---	ND	---	0.0153
87	86/87/97/108/119/125	---	---	ND	---	0.0153
88	88/91	---	---	ND	---	0.00496
89		---	---	ND	---	0.00314
90	90/101/113	---	---	ND	---	0.0120

Conc = Concentration
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ng/L = Nanograms per liter

ND = Not Detected
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REPORT OF LABORATORY ANALYSIS

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Method 1668C Polychlorobiphenyl
Blank Analysis Results

Lab Sample ID BLANK-108511
Filename P231001A_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
91	88/91	---	---	ND	---	0.00496
92		---	---	ND	---	0.00394
93	93/98/100/102	---	---	ND	---	0.00568
94		---	---	ND	---	0.00190
95		29.622	1.58	0.00933	---	0.00874
96		---	---	ND	---	0.00316
97	86/87/97/108/119/125	---	---	ND	---	0.0153
98	93/98/100/102	---	---	ND	---	0.00568
99		---	---	ND	---	0.00594
100	93/98/100/102	---	---	ND	---	0.00568
101	90/101/113	---	---	ND	---	0.0120
102	93/98/100/102	---	---	ND	---	0.00568
103		---	---	ND	---	0.00197
104		---	---	ND	---	0.00153
105		---	---	ND	---	0.00570
106		---	---	ND	---	0.00179
107	107/124	---	---	ND	---	0.00264
108	86/87/97/108/119/125	---	---	ND	---	0.0153
109		---	---	ND	---	0.00200
110	110/115	---	---	ND	---	0.0130
111		---	---	ND	---	0.00206
112		---	---	ND	---	0.00178
113	90/101/113	---	---	ND	---	0.0120
114		---	---	ND	---	0.00230
115	110/115	---	---	ND	---	0.0130
116	85/116/117	---	---	ND	---	0.00522
117	85/116/117	---	---	ND	---	0.00522
118		---	---	ND	---	0.00900
119	86/87/97/108/119/125	---	---	ND	---	0.0153
120		---	---	ND	---	0.00171
121		---	---	ND	---	0.00131
122		---	---	ND	---	0.00195
123		---	---	ND	---	0.00222
124	107/124	---	---	ND	---	0.00264
125	86/87/97/108/119/125	---	---	ND	---	0.0153
126		---	---	ND	---	0.00224
127		---	---	ND	---	0.00134
128	128/166	---	---	ND	---	0.00438
129	129/138/163	---	---	ND	---	0.0110
130		---	---	ND	---	0.00220
131		---	---	ND	---	0.00284
132		---	---	ND	---	0.00414
133		---	---	ND	---	0.00268
134	134/143	---	---	ND	---	0.00402
135	135/151	---	---	ND	---	0.00522

Conc = Concentration
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Method 1668C Polychlorobiphenyl
Blank Analysis Results

Lab Sample ID BLANK-108511
Filename P231001A_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
136		---	---	ND	---	0.00288
137		---	---	ND	---	0.00258
138	129/138/163	---	---	ND	---	0.0110
139	139/140	---	---	ND	---	0.00442
140	139/140	---	---	ND	---	0.00442
141		---	---	ND	---	0.00248
142		---	---	ND	---	0.00194
143	134/143	---	---	ND	---	0.00402
144		---	---	ND	---	0.00210
145		---	---	ND	---	0.00202
146		---	---	ND	---	0.00256
147	147/149	---	---	ND	---	0.00904
148		---	---	ND	---	0.00236
149	147/149	---	---	ND	---	0.00904
150		---	---	ND	---	0.00131
151	135/151	---	---	ND	---	0.00522
152		---	---	ND	---	0.00214
153	153/168	---	---	ND	---	0.00776
154		---	---	ND	---	0.00177
155		---	---	ND	---	0.00155
156	156/157	---	---	ND	---	0.00448
157	156/157	---	---	ND	---	0.00448
158		---	---	ND	---	0.00260
159		---	---	ND	---	0.00282
160		---	---	ND	---	0.00260
161		---	---	ND	---	0.00188
162		---	---	ND	---	0.00234
163	129/138/163	---	---	ND	---	0.0110
164		---	---	ND	---	0.00244
165		---	---	ND	---	0.00208
166	128/166	---	---	ND	---	0.00438
167		---	---	ND	---	0.00216
168	153/168	---	---	ND	---	0.00776
169		---	---	ND	---	0.00162
170		---	---	ND	---	0.00500
171	171/173	---	---	ND	---	0.00612
172		---	---	ND	---	0.0142
173	171/173	---	---	ND	---	0.00612
174		---	---	ND	---	0.00322
175		---	---	ND	---	0.00153
176		---	---	ND	---	0.00226
177		---	---	ND	---	0.00338
178		---	---	ND	---	0.00228
179		---	---	ND	---	0.00244
180	180/193	---	---	ND	---	0.00578

Conc = Concentration
EML =Method Specified Reporting Limit (1668C)
EMPC = Estimated Maximum Possible Concentration
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R = Recovery outside of Method 1668C control limits
ng/L = Nanograms per liter

ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
X = Outside QC Limits
RT = Retention Time
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REPORT OF LABORATORY ANALYSIS

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Method 1668C Polychlorobiphenyl
Blank Analysis Results

Lab Sample ID BLANK-108511
Filename P231001A_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
181		---	---	ND	---	0.00276
182		---	---	ND	---	0.00260
183	183/185	---	---	ND	---	0.00572
184		---	---	ND	---	0.00210
185	183/185	---	---	ND	---	0.00572
186		---	---	ND	---	0.00158
187		---	---	ND	---	0.00330
188		---	---	ND	---	0.00250
189		---	---	ND	---	0.00218
190		---	---	ND	---	0.00256
191		---	---	ND	---	0.00220
192		---	---	ND	---	0.00250
193	180/193	---	---	ND	---	0.00578
194		---	---	ND	---	0.00189
195		---	---	ND	---	0.00174
196		---	---	ND	---	0.00176
197	197/200	---	---	ND	---	0.00476
198	198/199	---	---	ND	---	0.00286
199	198/199	---	---	ND	---	0.00286
200	197/200	---	---	ND	---	0.00476
201		---	---	ND	---	0.00146
202		---	---	ND	---	0.00234
203		---	---	ND	---	0.00183
204		---	---	ND	---	0.00170
205		---	---	ND	---	0.00200
206		---	---	ND	---	0.00388
207		---	---	ND	---	0.00232
208		---	---	ND	---	0.00226
209		---	---	ND	---	0.0174

Conc = Concentration
EML =Method Specified Reporting Limit (1668C)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668C control limits
ng/L = Nanograms per liter

ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference

REPORT OF LABORATORY ANALYSIS

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Method 1668C Polychlorobiphenyl
Blank Analysis Results

Client Sample ID	CBLKPY
Lab Sample ID	BLANK-108511
Filename	P231001A_06

Congener Group	Concentration ng/L
Total Monochloro Biphenyls	0.00627
Total Dichloro Biphenyls	ND
Total Trichloro Biphenyls	ND
Total Tetrachloro Biphenyls	ND
Total Pentachloro Biphenyls	0.00933
Total Hexachloro Biphenyls	ND
Total Heptachloro Biphenyls	ND
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
DecachloroBiphenyls	ND
Total PCBs	0.0156

ND = Not Detected

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Method 1668C Polychlorobiphenyls
Laboratory Control Spike Analysis Results

Lab Sample ID	LCS-108512		
Filename	P231001A_03	Matrix	Water
Total Amount Extracted	1000 mL	Dilution	NA
ICAL ID	P231001A02	Extracted	09/27/2023 14:30
CCal Filename(s)	P231001A_01	Analyzed	10/01/2023 06:46
Method Blank ID	BLANK-108511	Injected By	JRH

	Native Analytes			Labeled Analytes		
PCB Isomer	**Spiked (ng)**	**Found (ng)**	**% Recovery**	**Spiked (ng)**	**Found (ng)**	**% Recovery**
1	1.0	0.996	100	2.0	1.41	71
3	1.0	0.989	99	2.0	1.74	87
4	1.0	1.13	113	2.0	1.41	70
15	1.0	0.980	98	2.0	2.13	106
19	1.0	1.05	105	2.0	1.74	87
37	1.0	0.885	88	2.0	1.98	99
54	1.0	0.974	97	2.0	1.57	79
81	1.0	0.906	91	2.0	2.26	113
77	1.0	0.893	89	2.0	2.35	118
104	1.0	1.03	103	2.0	1.48	74
105	1.0	0.899	90	2.0	2.00	100
114	1.0	0.896	90	2.0	1.92	96
118	1.0	0.914	91	2.0	1.88	94
123	1.0	0.906	91	2.0	1.88	94
126	1.0	0.903	90	2.0	2.13	107
155	1.0	1.05	105	2.0	1.46	73
156/157	2.0	1.81	91	4.0	3.52	88
167	1.0	0.917	92	2.0	1.74	87
169	1.0	0.914	91	2.0	1.86	93
188	1.0	1.05	105	2.0	1.71	85
189	1.0	0.910	91	2.0	1.74	87
202	1.0	1.07	107	2.0	1.78	89
205	1.0	0.936	94	2.0	2.02	101
206	1.0	0.956	96	2.0	2.11	105
208	1.0	0.975	98	2.0	2.09	104
209	1.0	0.961	96	2.0	1.95	98

R = Recovery outside of method 1668C control limits
Nn = Result obtained from alternate analysis
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
ng = Nanograms
I = Interference

REPORT OF LABORATORY ANALYSIS

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Method 1668C Polychlorobiphenyls
Laboratory Control Spike Analysis Results

Lab Sample ID	LCSD-108513		
Filename	P231001A_04	Matrix	Water
Total Amount Extracted	1000 mL	Dilution	NA
ICAL ID	P231001A02	Extracted	09/27/2023 14:30
CCal Filename(s)	P231001A_01	Analyzed	10/01/2023 07:48
Method Blank ID	BLANK-108511	Injected By	JRH

	Native Analytes			Labeled Analytes		
PCB Isomer	**Spiked (ng)**	**Found (ng)**	**% Recovery**	**Spiked (ng)**	**Found (ng)**	**% Recovery**
1	1.0	1.05	105	2.0	1.39	69
3	1.0	1.04	104	2.0	1.68	84
4	1.0	1.17	117	2.0	1.37	68
15	1.0	0.998	100	2.0	2.08	104
19	1.0	1.09	109	2.0	1.63	82
37	1.0	0.902	90	2.0	1.90	95
54	1.0	0.960	96	2.0	1.45	72
81	1.0	0.922	92	2.0	2.24	112
77	1.0	0.915	92	2.0	2.28	114
104	1.0	0.949	95	2.0	1.34	67
105	1.0	0.924	92	2.0	1.95	97
114	1.0	0.914	91	2.0	1.87	94
118	1.0	0.941	94	2.0	1.84	92
123	1.0	0.935	93	2.0	1.79	90
126	1.0	0.936	94	2.0	2.08	104
155	1.0	1.03	103	2.0	1.37	68
156/157	2.0	1.89	95	4.0	3.36	84
167	1.0	0.929	93	2.0	1.69	85
169	1.0	0.937	94	2.0	1.82	91
188	1.0	1.08	108	2.0	1.63	82
189	1.0	0.934	93	2.0	1.66	83
202	1.0	1.09	109	2.0	1.71	86
205	1.0	0.964	96	2.0	1.91	96
206	1.0	0.992	99	2.0	2.01	101
208	1.0	1.03	103	2.0	1.99	99
209	1.0	1.01	101	2.0	1.87	93

R = Recovery outside of method 1668C control limits
Nn = Result obtained from alternate analysis
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
ng = Nanograms
I = Interference

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C

Spike Recovery Relative Percent Difference (RPD) Results

Client	PACE Wisconsin		
Spike 1 ID	LCS-108512	Spike 2 ID	LCSD-108513
Spike 1 Filename	P231001A_03	Spike 2 Filename	P231001A_04

Compound	IUPAC	Spike 1 %REC	Spike 2 %REC	%RPD
2-MoCB	1	100	105	4.9
4-MoCB	3	99	104	4.9
2,2'-DiCB	4	113	117	3.5
4,4'-DiCB	15	98	100	2.0
2,2',6-TrCB	19	105	109	3.7
3,4,4'-TrCB	37	88	90	2.2
2,2',6,6'-TeCB	54	97	96	1.0
3,3',4,4'-TeCB	77	89	92	3.3
3,4,4',5-TeCB	81	91	92	1.1
2,2',4,6,6'-PeCB	104	103	95	8.1
2,3,3',4,4'-PeCB	105	90	92	2.2
2,3,4,4',5-PeCB	114	90	91	1.1
2,3',4,4',5-PeCB	118	91	94	3.2
2,3',4,4',5'-PeCB	123	91	93	2.2
3,3',4,4',5-PeCB	126	90	94	4.3
2,2',4,4',6,6'-HxCB	155	105	103	1.9
(156/157)	156/157	91	95	4.3
2,3',4,4',5,5'-HxCB	167	92	93	1.1
3,3',4,4',5,5'-HxCB	169	91	94	3.2
2,2',3,4',5,6,6'-HpCB	188	105	108	2.8
2,3,3',4,4',5,5'-HpCB	189	91	93	2.2
2,2',3,3',5,5',6,6'-OcCB	202	107	109	1.9
2,3,3',4,4',5,5',6-OcCB	205	94	96	2.1
2,2',3,3',4,4',5,5',6-NoCB	206	96	99	3.1
2,2',3,3',4,5,5',6,6'-NoCB	208	98	103	5.0
Decachlorobiphenyl	209	96	101	5.1

%REC = Percent Recovered
RPD = The difference between the two values divided by the mean value

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414

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Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Blank Analysis Results

Lab Sample ID	BLANK-108511		
Filename	P231001A_06		
Injected By	JRH	Matrix	Water
Total Amount Extracted	1000 mL	Extracted	09/27/2023 14:30
ICAL ID	P231001A02	Analyzed	10/01/2023 09:54
CCal Filename(s)	P231001A_01	Dilution	NA

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.023	3.04	2.0	1.51	75
13C-4-MoCB	3	12.726	3.15	2.0	1.80	90
13C-2,2'-DiCB	4	13.031	1.57	2.0	1.47	74
13C-4,4'-DiCB	15	20.014	1.57	2.0	2.09	104
13C-2,2',6-TrCB	19	16.776	1.06	2.0	1.78	89
13C-3,4,4'-TrCB	37	27.744	1.05	2.0	1.83	91
13C-2,2',6,6'-TeCB	54	20.350	0.80	2.0	1.53	77
13C-3,4,4',5-TeCB	81	34.881	0.78	2.0	2.11	105
13C-3,3',4,4'-TeCB	77	35.453	0.79	2.0	2.18	109
13C-2,2',4,6,6'-PeCB	104	26.429	1.60	2.0	1.45	72
13C-2,3,3',4,4'-PeCB	105	39.072	1.58	2.0	1.87	94
13C-2,3,4,4',5-PeCB	114	38.418	1.60	2.0	1.83	91
13C-2,3',4,4',5-PeCB	118	37.865	1.59	2.0	1.81	90
13C-2,3',4,4',5'-PeCB	123	37.530	1.57	2.0	1.79	90
13C-3,3',4,4',5-PeCB	126	42.225	1.58	2.0	2.01	101
13C-2,2',4,4',6,6'-HxCB	155	32.484	1.30	2.0	1.40	70
13C-HxCB (156/157)	156/157	45.315	1.27	4.0	3.23	81
13C-2,3',4,4',5,5'-HxCB	167	44.142	1.28	2.0	1.63	82
13C-3,3',4,4',5,5'-HxCB	169	48.602	1.25	2.0	1.72	86
13C-2,2',3,4',5,6,6'-HpCB	188	38.402	1.04	2.0	1.61	80
13C-2,3,3',4,4',5,5'-HpCB	189	51.161	1.03	2.0	1.56	78
13C-2,2',3,3',5,5',6,6'-OcCB	202	43.890	0.89	2.0	1.69	85
13C-2,3,3',4,4',5,5',6-OcCB	205	53.769	0.87	2.0	1.90	95
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.558	0.80	2.0	1.97	99
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	50.665	0.80	2.0	1.95	98
13C-DeCB	209	57.433	0.70	2.0	1.80	90
Cleanup Standards						
13C-2,4,4'-TrCB	28	23.413	1.04	2.0	1.47	73
13C-2,3,3',5,5'-PeCB	111	35.500	1.57	2.0	1.80	90
13C-2,2',3,3',5,5',6-HpCB	178	41.521	1.05	2.0	1.62	81
Recovery Standards						
13C-2,5-DiCB	9	15.439	1.58	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.393	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	32.700	1.58	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.068	1.28	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	53.273	0.90	2.0	NA	NA

Conc = Concentration
EML =Method Specified Reporting Limit (1668C)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668C control limits
Nn = Value obtained from additional analyses

ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference
ng's = Nanograms

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl Blank Analysis Results

Lab Sample ID BLANK-108511
Filename P231001A_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
1		---	---	ND	---	0.0804
2		---	---	ND	---	0.0702
3		---	---	ND	---	0.0580
4		---	---	ND	---	6.20
5		---	---	ND	---	0.0400
6		---	---	ND	---	0.0400
7		---	---	ND	---	0.0400
8		---	---	ND	---	0.0400
9		---	---	ND	---	0.0400
10		---	---	ND	---	0.0400
11		---	---	ND	---	0.392
12	12/13	---	---	ND	---	0.0800
13	12/13	---	---	ND	---	0.0800
14		---	---	ND	---	0.0400
15		---	---	ND	---	0.0528
16		---	---	ND	---	0.0400
17		---	---	ND	---	0.0400
18	18/30	---	---	ND	---	0.0800
19		---	---	ND	---	0.0400
20	20/28	---	---	ND	---	0.206
21	21/33	---	---	ND	---	0.216
22		---	---	ND	---	0.152
23		---	---	ND	---	0.0400
24		---	---	ND	---	0.0400
25		---	---	ND	---	0.0400
26	26/29	---	---	ND	---	0.0800
27		---	---	ND	---	0.0400
28	20/28	---	---	ND	---	0.206
29	26/29	---	---	ND	---	0.0800
30	18/30	---	---	ND	---	0.0800
31		---	---	ND	---	0.208
32		---	---	ND	---	0.0400
33	21/33	---	---	ND	---	0.216
34		---	---	ND	---	0.0400
35		---	---	ND	---	0.0400
36		---	---	ND	---	0.0400
37		---	---	ND	---	0.0848
38		---	---	ND	---	0.0400
39		---	---	ND	---	0.0400
40	40/41/71	---	---	ND	---	0.120
41	40/41/71	---	---	ND	---	0.120
42		---	---	ND	---	0.0400
43	43/73	---	---	ND	---	0.0800
44	44/47/65	---	---	ND	---	0.120
45	45/51	---	---	ND	---	0.0800

Conc = Concentration
EML =Method Specified Reporting Limit (1668C)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668C control limits
ng/L = Nanograms per liter

ND = Not Detected
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* = See Discussion
X = Outside QC Limits
RT = Retention Time
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Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl Blank Analysis Results

Lab Sample ID BLANK-108511
Filename P231001A_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
46		---	---	ND	---	0.0400
47	44/47/65	---	---	ND	---	0.120
48		---	---	ND	---	0.0400
49	49/69	---	---	ND	---	0.0800
50	50/53	---	---	ND	---	0.0800
51	45/51	---	---	ND	---	0.0800
52		---	---	ND	---	0.206
53	50/53	---	---	ND	---	0.0800
54		---	---	ND	---	0.0400
55		---	---	ND	---	0.0400
56		---	---	ND	---	0.0400
57		---	---	ND	---	0.0400
58		---	---	ND	---	0.0400
59	59/62/75	---	---	ND	---	0.120
60		---	---	ND	---	0.0400
61	61/70/74/76	---	---	ND	---	0.160
62	59/62/75	---	---	ND	---	0.120
63		---	---	ND	---	0.0400
64		---	---	ND	---	0.0400
65	44/47/65	---	---	ND	---	0.120
66		---	---	ND	---	0.0944
67		---	---	ND	---	0.0400
68		---	---	ND	---	0.0400
69	49/69	---	---	ND	---	0.0800
70	61/70/74/76	---	---	ND	---	0.160
71	40/41/71	---	---	ND	---	0.120
72		---	---	ND	---	0.0400
73	43/73	---	---	ND	---	0.0800
74	61/70/74/76	---	---	ND	---	0.160
75	59/62/75	---	---	ND	---	0.120
76	61/70/74/76	---	---	ND	---	0.160
77		---	---	ND	---	0.0400
78		---	---	ND	---	0.0400
79		---	---	ND	---	0.0400
80		---	---	ND	---	0.0400
81		---	---	ND	---	0.0400
82		---	---	ND	---	0.0400
83		---	---	ND	---	0.0400
84		---	---	ND	---	0.0400
85	85/116/117	---	---	ND	---	0.120
86	86/87/97/108/119/125	---	---	ND	---	0.240
87	86/87/97/108/119/125	---	---	ND	---	0.240
88	88/91	---	---	ND	---	0.0800
89		---	---	ND	---	0.0400
90	90/101/113	---	---	ND	---	0.120

Conc = Concentration
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ng/L = Nanograms per liter

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X = Outside QC Limits
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Method 1668C Polychlorobiphenyl Blank Analysis Results

Lab Sample ID BLANK-108511
Filename P231001A_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
91	88/91	---	---	ND	---	0.0800
92		---	---	ND	---	0.0400
93	93/98/100/102	---	---	ND	---	0.160
94		---	---	ND	---	0.0400
95		---	---	ND	---	0.112
96		---	---	ND	---	0.0400
97	86/87/97/108/119/125	---	---	ND	---	0.240
98	93/98/100/102	---	---	ND	---	0.160
99		---	---	ND	---	0.0400
100	93/98/100/102	---	---	ND	---	0.160
101	90/101/113	---	---	ND	---	0.120
102	93/98/100/102	---	---	ND	---	0.160
103		---	---	ND	---	0.0400
104		---	---	ND	---	0.0400
105		---	---	ND	---	0.0400
106		---	---	ND	---	0.0400
107	107/124	---	---	ND	---	0.0800
108	86/87/97/108/119/125	---	---	ND	---	0.240
109		---	---	ND	---	0.0400
110	110/115	---	---	ND	---	0.0800
111		---	---	ND	---	0.0400
112		---	---	ND	---	0.0400
113	90/101/113	---	---	ND	---	0.120
114		---	---	ND	---	0.0400
115	110/115	---	---	ND	---	0.0800
116	85/116/117	---	---	ND	---	0.120
117	85/116/117	---	---	ND	---	0.120
118		---	---	ND	---	0.0624
119	86/87/97/108/119/125	---	---	ND	---	0.240
120		---	---	ND	---	0.0400
121		---	---	ND	---	0.0400
122		---	---	ND	---	0.0400
123		---	---	ND	---	0.0400
124	107/124	---	---	ND	---	0.0800
125	86/87/97/108/119/125	---	---	ND	---	0.240
126		---	---	ND	---	0.0400
127		---	---	ND	---	0.0400
128	128/166	---	---	ND	---	0.0800
129	129/138/163	---	---	ND	---	0.120
130		---	---	ND	---	0.0400
131		---	---	ND	---	0.0400
132		---	---	ND	---	0.0400
133		---	---	ND	---	0.0400
134	134/143	---	---	ND	---	0.0800
135	135/151	---	---	ND	---	0.0800

Conc = Concentration
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ng/L = Nanograms per liter

ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference

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Method 1668C Polychlorobiphenyl Blank Analysis Results

Lab Sample ID BLANK-108511
Filename P231001A_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
136		---	---	ND	---	0.0400
137		---	---	ND	---	0.0400
138	129/138/163	---	---	ND	---	0.120
139	139/140	---	---	ND	---	0.0800
140	139/140	---	---	ND	---	0.0800
141		---	---	ND	---	0.0400
142		---	---	ND	---	0.0400
143	134/143	---	---	ND	---	0.0800
144		---	---	ND	---	0.0400
145		---	---	ND	---	0.0400
146		---	---	ND	---	0.0400
147	147/149	---	---	ND	---	0.0800
148		---	---	ND	---	0.0400
149	147/149	---	---	ND	---	0.0800
150		---	---	ND	---	0.0400
151	135/151	---	---	ND	---	0.0800
152		---	---	ND	---	0.0400
153	153/168	---	---	ND	---	0.0800
154		---	---	ND	---	0.0400
155		---	---	ND	---	0.0400
156	156/157	---	---	ND	---	0.0800
157	156/157	---	---	ND	---	0.0800
158		---	---	ND	---	0.0400
159		---	---	ND	---	0.0400
160		---	---	ND	---	0.0400
161		---	---	ND	---	0.0400
162		---	---	ND	---	0.0400
163	129/138/163	---	---	ND	---	0.120
164		---	---	ND	---	0.0400
165		---	---	ND	---	0.0400
166	128/166	---	---	ND	---	0.0800
167		---	---	ND	---	0.0400
168	153/168	---	---	ND	---	0.0800
169		---	---	ND	---	0.0400
170		---	---	ND	---	0.0400
171	171/173	---	---	ND	---	0.0800
172		---	---	ND	---	0.0400
173	171/173	---	---	ND	---	0.0800
174		---	---	ND	---	0.0400
175		---	---	ND	---	0.0400
176		---	---	ND	---	0.0400
177		---	---	ND	---	0.0400
178		---	---	ND	---	0.0400
179		---	---	ND	---	0.0400
180	180/193	---	---	ND	---	0.0800

Conc = Concentration
EML =Method Specified Reporting Limit (1668C)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668C control limits
ng/L = Nanograms per liter

ND = Not Detected
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NC = Not Calculated
* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference

REPORT OF LABORATORY ANALYSIS

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Method 1668C Polychlorobiphenyl
Blank Analysis Results

Lab Sample ID BLANK-108511
Filename P231001A_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
181		---	---	ND	---	0.0400
182		---	---	ND	---	0.0400
183	183/185	---	---	ND	---	0.0800
184		---	---	ND	---	0.0400
185	183/185	---	---	ND	---	0.0800
186		---	---	ND	---	0.0400
187		---	---	ND	---	0.0400
188		---	---	ND	---	0.0400
189		---	---	ND	---	0.0400
190		---	---	ND	---	0.0400
191		---	---	ND	---	0.0400
192		---	---	ND	---	0.0400
193	180/193	---	---	ND	---	0.0800
194		---	---	ND	---	0.0400
195		---	---	ND	---	0.0400
196		---	---	ND	---	0.0400
197	197/200	---	---	ND	---	0.0800
198	198/199	---	---	ND	---	0.0800
199	198/199	---	---	ND	---	0.0800
200	197/200	---	---	ND	---	0.0800
201		---	---	ND	---	0.0400
202		---	---	ND	---	0.0400
203		---	---	ND	---	0.0400
204		---	---	ND	---	0.0400
205		---	---	ND	---	0.0400
206		---	---	ND	---	0.0400
207		---	---	ND	---	0.0400
208		---	---	ND	---	0.0400
209		---	---	ND	---	0.0400

Conc = Concentration
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R = Recovery outside of Method 1668C control limits
ng/L = Nanograms per liter

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl Blank Analysis Results

Client Sample ID	CBLKPY
Lab Sample ID	BLANK-108511
Filename	P231001A_06

Congener Group	Concentration ng/L
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	ND
Total Trichloro Biphenyls	ND
Total Tetrachloro Biphenyls	ND
Total Pentachloro Biphenyls	ND
Total Hexachloro Biphenyls	ND
Total Heptachloro Biphenyls	ND
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	ND

ND = Not Detected

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	MR SW S11R		
Lab Sample ID	40268156028		
Filename	Y231007B_04		
Injected By	BAL		
Total Amount Extracted	1050 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/13/2023 18:10
ICAL ID	Y231007B02	Received	09/19/2023 16:15
CCal Filename(s)	Y231007B_01	Extracted	09/27/2023 14:30
Method Blank ID	BLANK-108511	Analyzed	10/08/2023 04:33

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.917	3.06	2.0	1.30	65
13C-4-MoCB	3	13.708	3.09	2.0	1.52	76
13C-2,2'-DiCB	4	14.008	1.63	2.0	1.25	63
13C-4,4'-DiCB	15	21.086	1.57	2.0	1.83	91
13C-2,2',6-TrCB	19	17.827	1.08	2.0	1.38	69
13C-3,4,4'-TrCB	37	28.842	1.05	2.0	1.85	92
13C-2,2',6,6'-TeCB	54	21.431	0.80	2.0	1.58	79
13C-3,4,4',5-TeCB	81	35.973	0.78	2.0	1.95	98
13C-3,3',4,4'-TeCB	77	36.543	0.79	2.0	2.01	101
13C-2,2',4,6,6'-PeCB	104	27.535	1.65	2.0	1.58	79
13C-2,3,3',4,4'-PeCB	105	40.153	1.61	2.0	1.88	94
13C-2,3,4,4',5-PeCB	114	39.499	1.62	2.0	1.91	96
13C-2,3',4,4',5-PeCB	118	38.946	1.59	2.0	1.93	96
13C-2,3',4,4',5'-PeCB	123	38.611	1.55	2.0	1.90	95
13C-3,3',4,4',5-PeCB	126	43.305	1.61	2.0	2.05	103
13C-2,2',4,4',6,6'-HxCB	155	33.576	1.33	2.0	1.50	75
13C-HxCB (156/157)	156/157	46.379	1.28	4.0	3.57	89
13C-2,3',4,4',5,5'-HxCB	167	45.205	1.27	2.0	1.81	90
13C-3,3',4,4',5,5'-HxCB	169	49.665	1.28	2.0	1.96	98
13C-2,2',3,4',5,6,6'-HpCB	188	39.482	1.01	2.0	1.43	72
13C-2,3,3',4,4',5,5'-HpCB	189	52.214	1.08	2.0	1.72	86
13C-2,2',3,3',5,5',6,6'-OcCB	202	44.953	0.90	2.0	1.44	72
13C-2,3,3',4,4',5,5',6-OcCB	205	54.800	0.89	2.0	1.68	84
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.546	0.81	2.0	1.55	78
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.740	0.80	2.0	1.60	80
13C-DeCB	209	58.205	0.72	2.0	1.47	73
Cleanup Standards						
13C-2,4,4'-TrCB	28	24.500	1.06	2.0	1.73	87
13C-2,3,3',5,5'-PeCB	111	36.577	1.60	2.0	1.55	78
13C-2,2',3,3',5,5',6-HpCB	178	42.584	1.03	2.0	1.48	74
Recovery Standards						
13C-2,5-DiCB	9	16.462	1.57	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	26.478	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.794	1.60	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	42.132	1.28	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	54.326	0.91	2.0	NA	NA

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REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S11R
Lab Sample ID	40268156028
Filename	Y231007B_04

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
1		10.941	3.07	0.0578	---	0.0382
2		---	---	ND	---	0.0382
3		---	---	ND	---	0.0382
4		14.032	1.51	0.204	---	0.0382
5		---	---	ND	---	0.0382
6		16.965	1.55	0.109	---	0.0382
7		---	---	ND	---	0.0382
8		---	---	ND	---	0.0382
9		---	---	ND	---	0.0382
10		---	---	ND	---	0.0382
11		---	---	ND	---	0.374
12	12/13	---	---	ND	---	0.0764
13	12/13	---	---	ND	---	0.0764
14		---	---	ND	---	0.0382
15		---	---	ND	---	0.0504
16		---	---	ND	---	0.0382
17		20.535	1.05	0.118	---	0.0382
18	18/30	20.044	1.08	0.0970	---	0.0764
19		17.851	1.08	0.0895	---	0.0382
20	20/28	24.533	1.06	0.203	---	0.197
21	21/33	---	---	ND	---	0.206
22		---	---	ND	---	0.145
23		---	---	ND	---	0.0382
24		---	---	ND	---	0.0382
25		23.846	1.05	0.181	---	0.0382
26	26/29	23.578	1.05	0.318	---	0.0764
27		---	---	ND	---	0.0382
28	20/28	24.533	1.06	(0.203)	---	0.197
29	26/29	23.578	1.05	(0.318)	---	0.0764
30	18/30	20.044	1.08	(0.0970)	---	0.0764
31		---	---	ND	---	0.199
32		21.649	1.00	0.0617	---	0.0382
33	21/33	---	---	ND	---	0.206
34		---	---	ND	---	0.0382
35		---	---	ND	---	0.0382
36		---	---	ND	---	0.0382
37		---	---	ND	---	0.0810
38		---	---	ND	---	0.0382
39		---	---	ND	---	0.0382
40	40/41/71	28.691	0.77	0.204	---	0.115
41	40/41/71	28.691	0.77	(0.204)	---	0.115
42		28.155	0.79	0.151	---	0.0382
43	43/73	---	---	ND	---	0.0764
44	44/47/65	27.652	0.79	0.724	---	0.115
45	45/51	24.718	0.79	0.0987	---	0.0764
46		24.952	0.78	0.0521	---	0.0382
47	44/47/65	27.652	0.79	(0.724)	---	0.115
48		---	---	ND	---	0.0382

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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW S11R
Lab Sample ID 40268156028
Filename Y231007B_04

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
49	49/69	27.048	0.79	1.02	---	0.0764
50	50/53	23.863	0.82	0.230	---	0.0764
51	45/51	24.718	0.79	(0.0987)	---	0.0764
52		26.512	0.78	1.35	---	0.197
53	50/53	23.863	0.82	(0.230)	---	0.0764
54		---	---	ND	---	0.0382
55		---	---	ND	---	0.0382
56		---	---	ND	---	0.0382
57		---	---	ND	---	0.0382
58		---	---	ND	---	0.0382
59	59/62/75	---	---	ND	---	0.115
60		---	---	ND	---	0.0382
61	61/70/74/76	31.614	0.81	0.248	---	0.153
62	59/62/75	---	---	ND	---	0.115
63		---	---	ND	---	0.0382
64		28.926	0.78	0.0845	---	0.0382
65	44/47/65	27.652	0.79	(0.724)	---	0.115
66		31.983	0.81	0.212	---	0.0901
67		---	---	ND	---	0.0382
68		---	---	ND	---	0.0382
69	49/69	27.048	0.79	(1.02)	---	0.0764
70	61/70/74/76	31.614	0.81	(0.248)	---	0.153
71	40/41/71	28.691	0.77	(0.204)	---	0.115
72		29.803	0.79	0.0403	---	0.0382
73	43/73	---	---	ND	---	0.0764
74	61/70/74/76	31.614	0.81	(0.248)	---	0.153
75	59/62/75	---	---	ND	---	0.115
76	61/70/74/76	31.614	0.81	(0.248)	---	0.153
77		---	---	ND	---	0.0382
78		---	---	ND	---	0.0382
79		---	---	ND	---	0.0382
80		---	---	ND	---	0.0382
81		---	---	ND	---	0.0382
82		---	---	ND	---	0.0382
83		34.297	1.49	0.0731	---	0.0382
84		31.849	1.58	0.186	---	0.0382
85	85/116/117	---	---	ND	---	0.115
86	86/87/97/108/119/125	34.951	1.55	0.388	---	0.229
87	86/87/97/108/119/125	34.951	1.55	(0.388)	---	0.229
88	88/91	31.631	1.59	0.204	---	0.0764
89		---	---	ND	---	0.0382
90	90/101/113	33.810	1.60	0.733	---	0.115
91	88/91	31.631	1.59	(0.204)	---	0.0764
92		33.190	1.59	0.336	---	0.0382
93	93/98/100/102	---	---	ND	---	0.153
94		---	---	ND	---	0.0382
95		30.708	1.56	0.630	---	0.107
96		---	---	ND	---	0.0382

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REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S11R
Lab Sample ID	40268156028
Filename	Y231007B_04

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
97	86/87/97/108/119/125	34.951	1.55	(0.388)	---	0.229
98	93/98/100/102	---	---	ND	---	0.153
99		34.431	1.54	0.384	---	0.0382
100	93/98/100/102	---	---	ND	---	0.153
101	90/101/113	33.810	1.60	(0.733)	---	0.115
102	93/98/100/102	---	---	ND	---	0.153
103		---	---	ND	---	0.0382
104		---	---	ND	---	0.0382
105		40.170	1.54	0.135	---	0.0382
106		---	---	ND	---	0.0382
107	107/124	---	---	ND	---	0.0764
108	86/87/97/108/119/125	34.951	1.55	(0.388)	---	0.229
109		38.510	1.55	0.0694	---	0.0382
110	110/115	35.873	1.57	1.08	---	0.0764
111		---	---	ND	---	0.0382
112		---	---	ND	---	0.0382
113	90/101/113	33.810	1.60	(0.733)	---	0.115
114		---	---	ND	---	0.0382
115	110/115	35.873	1.57	(1.08)	---	0.0764
116	85/116/117	---	---	ND	---	0.115
117	85/116/117	---	---	ND	---	0.115
118		38.979	1.62	0.563	---	0.0596
119	86/87/97/108/119/125	34.951	1.55	(0.388)	---	0.229
120		---	---	ND	---	0.0382
121		---	---	ND	---	0.0382
122		---	---	ND	---	0.0382
123		---	---	ND	---	0.0382
124	107/124	---	---	ND	---	0.0764
125	86/87/97/108/119/125	34.951	1.55	(0.388)	---	0.229
126		---	---	ND	---	0.0382
127		---	---	ND	---	0.0382
128	128/166	43.456	1.22	0.119	---	0.0764
129	129/138/163	42.165	1.23	0.707	---	0.115
130		41.511	1.25	0.0605	---	0.0382
131		---	---	ND	---	0.0382
132		39.080	1.27	0.256	---	0.0382
133		---	---	ND	---	0.0382
134	134/143	---	---	ND	---	0.0764
135	135/151	36.845	1.31	0.252	---	0.0764
136		34.330	1.21	0.0895	---	0.0382
137		---	---	ND	---	0.0382
138	129/138/163	42.165	1.23	(0.707)	---	0.115
139	139/140	---	---	ND	---	0.0764
140	139/140	---	---	ND	---	0.0764
141		41.075	1.17	0.0639	---	0.0382
142		---	---	ND	---	0.0382
143	134/143	---	---	ND	---	0.0764
144		---	---	ND	---	0.0382

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REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414

Tel: 612-607-1700
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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client Sample ID	MR SW S11R
Lab Sample ID	40268156028
Filename	Y231007B_04

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
145		---	---	ND	---	0.0382
146		40.254	1.19	0.118	---	0.0382
147	147/149	37.789	1.24	0.554	---	0.0764
148		---	---	ND	---	0.0382
149	147/149	37.789	1.24	(0.554)	---	0.0764
150		---	---	ND	---	0.0382
151	135/151	36.845	1.31	(0.252)	---	0.0764
152		---	---	ND	---	0.0382
153	153/168	40.891	1.25	0.479	---	0.0764
154		---	---	ND	---	0.0382
155		---	---	ND	---	0.0382
156	156/157	46.379	1.24	0.0845	---	0.0764
157	156/157	46.379	1.24	(0.0845)	---	0.0764
158		42.584	1.25	0.0539	---	0.0382
159		---	---	ND	---	0.0382
160		---	---	ND	---	0.0382
161		---	---	ND	---	0.0382
162		---	---	ND	---	0.0382
163	129/138/163	42.165	1.23	(0.707)	---	0.115
164		41.847	1.30	0.0426	---	0.0382
165		---	---	ND	---	0.0382
166	128/166	43.456	1.22	(0.119)	---	0.0764
167		---	---	ND	---	0.0382
168	153/168	40.891	1.25	(0.479)	---	0.0764
169		---	---	ND	---	0.0382
170		49.078	1.00	0.0797	---	0.0382
171	171/173	---	---	ND	---	0.0764
172		---	---	ND	---	0.0382
173	171/173	---	---	ND	---	0.0764
174		44.417	0.95	0.0588	---	0.0382
175		---	---	ND	---	0.0382
176		---	---	ND	---	0.0382
177		44.853	1.13	0.0538	---	0.0382
178		---	---	ND	---	0.0382
179		---	---	ND	---	0.0382
180	180/193	47.804	1.07	0.124	---	0.0764
181		---	---	ND	---	0.0382
182		---	---	ND	---	0.0382
183	183/185	---	---	ND	---	0.0764
184		---	---	ND	---	0.0382
185	183/185	---	---	ND	---	0.0764
186		---	---	ND	---	0.0382
187		43.557	1.06	0.0994	---	0.0382
188		---	---	ND	---	0.0382
189		---	---	ND	---	0.0382
190		---	---	ND	---	0.0382
191		---	---	ND	---	0.0382
192		---	---	ND	---	0.0382

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW S11R
Lab Sample ID 40268156028
Filename Y231007B_04

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
193	180/193	47.804	1.07	(0.124)	---	0.0764
194		---	---	ND	---	0.0382
195		---	---	ND	---	0.0382
196		---	---	ND	---	0.0382
197	197/200	---	---	ND	---	0.0764
198	198/199	---	---	ND	---	0.0764
199	198/199	---	---	ND	---	0.0764
200	197/200	---	---	ND	---	0.0764
201		---	---	ND	---	0.0382
202		---	---	ND	---	0.0382
203		---	---	ND	---	0.0382
204		---	---	ND	---	0.0382
205		---	---	ND	---	0.0382
206		---	---	ND	---	0.0382
207		---	---	ND	---	0.0382
208		---	---	ND	---	0.0382
209		---	---	ND	---	0.0382

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S11R
Lab Sample ID	40268156028
Filename	Y231007B_04

Congener Group	Concentration ng/L
Total Monochloro Biphenyls	0.0578
Total Dichloro Biphenyls	0.313
Total Trichloro Biphenyls	1.07
Total Tetrachloro Biphenyls	4.41
Total Pentachloro Biphenyls	4.78
Total Hexachloro Biphenyls	2.88
Total Heptachloro Biphenyls	0.416
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	13.9

ND = Not Detected

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	MR SW S12R		
Lab Sample ID	40268156029		
Filename	Y231007B_05		
Injected By	BAL		
Total Amount Extracted	1040 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/13/2023 17:00
ICAL ID	Y231007B02	Received	09/19/2023 16:15
CCal Filename(s)	Y231007B_01	Extracted	09/27/2023 14:30
Method Blank ID	BLANK-108511	Analyzed	10/08/2023 05:35

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.797	3.06	2.0	1.38	69
13C-4-MoCB	3	13.624	3.03	2.0	1.58	79
13C-2,2'-DiCB	4	13.936	1.63	2.0	1.27	64
13C-4,4'-DiCB	15	21.050	1.55	2.0	1.90	95
13C-2,2',6-TrCB	19	17.779	1.10	2.0	1.47	73
13C-3,4,4'-TrCB	37	28.825	1.08	2.0	1.97	98
13C-2,2',6,6'-TeCB	54	21.398	0.80	2.0	1.62	81
13C-3,4,4',5-TeCB	81	35.956	0.79	2.0	2.04	102
13C-3,3',4,4'-TeCB	77	36.543	0.79	2.0	2.08	104
13C-2,2',4,6,6'-PeCB	104	27.517	1.65	2.0	1.62	81
13C-2,3,3',4,4'-PeCB	105	40.153	1.56	2.0	1.96	98
13C-2,3,4,4',5-PeCB	114	39.499	1.61	2.0	1.97	98
13C-2,3',4,4',5-PeCB	118	38.946	1.60	2.0	1.98	99
13C-2,3',4,4',5'-PeCB	123	38.610	1.59	2.0	1.96	98
13C-3,3',4,4',5-PeCB	126	43.305	1.61	2.0	2.09	104
13C-2,2',4,4',6,6'-HxCB	155	33.575	1.31	2.0	1.53	77
13C-HxCB (156/157)	156/157	46.379	1.24	4.0	3.64	91
13C-2,3',4,4',5,5'-HxCB	167	45.188	1.26	2.0	1.81	90
13C-3,3',4,4',5,5'-HxCB	169	49.648	1.27	2.0	2.05	102
13C-2,2',3,4',5,6,6'-HpCB	188	39.482	1.01	2.0	1.45	72
13C-2,3,3',4,4',5,5'-HpCB	189	52.192	1.08	2.0	1.77	89
13C-2,2',3,3',5,5',6,6'-OcCB	202	44.954	0.90	2.0	1.45	72
13C-2,3,3',4,4',5,5',6-OcCB	205	54.800	0.89	2.0	1.73	86
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.546	0.82	2.0	1.61	80
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.718	0.81	2.0	1.64	82
13C-DeCB	209	58.205	0.72	2.0	1.54	77
Cleanup Standards						
13C-2,4,4'-TrCB	28	24.483	1.05	2.0	1.81	90
13C-2,3,3',5,5'-PeCB	111	36.576	1.61	2.0	1.63	81
13C-2,2',3,3',5,5',6-HpCB	178	42.584	1.02	2.0	1.55	77
Recovery Standards						
13C-2,5-DiCB	9	16.402	1.56	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	26.478	0.80	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.793	1.63	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	42.132	1.30	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	54.304	0.90	2.0	NA	NA

Conc = Concentration
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Nn = Value obtained from additional analyses

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ng's = Nanograms

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S12R
Lab Sample ID	40268156029
Filename	Y231007B_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
1		10.821	2.86	0.0451	---	0.0383
2		---	---	ND	---	0.0383
3		---	---	ND	---	0.0383
4		13.948	1.62	0.174	---	0.0383
5		---	---	ND	---	0.0383
6		16.905	1.53	0.0955	---	0.0383
7		---	---	ND	---	0.0383
8		---	---	ND	---	0.0383
9		---	---	ND	---	0.0383
10		---	---	ND	---	0.0383
11		---	---	ND	---	0.375
12	12/13	---	---	ND	---	0.0766
13	12/13	---	---	ND	---	0.0766
14		---	---	ND	---	0.0383
15		---	---	ND	---	0.0506
16		---	---	ND	---	0.0383
17		20.499	1.07	0.106	---	0.0383
18	18/30	20.008	1.05	0.0863	---	0.0766
19		17.803	1.08	0.0836	---	0.0383
20	20/28	24.499	1.06	0.198	---	0.198
21	21/33	---	---	ND	---	0.207
22		---	---	ND	---	0.146
23		---	---	ND	---	0.0383
24		---	---	ND	---	0.0383
25		23.829	1.05	0.159	---	0.0383
26	26/29	23.560	1.03	0.285	---	0.0766
27		---	---	ND	---	0.0383
28	20/28	24.499	1.06	(0.198)	---	0.198
29	26/29	23.560	1.03	(0.285)	---	0.0766
30	18/30	20.008	1.05	(0.0863)	---	0.0766
31		---	---	ND	---	0.199
32		21.616	1.06	0.0605	---	0.0383
33	21/33	---	---	ND	---	0.207
34		---	---	ND	---	0.0383
35		---	---	ND	---	0.0383
36		---	---	ND	---	0.0383
37		---	---	ND	---	0.0812
38		---	---	ND	---	0.0383
39		---	---	ND	---	0.0383
40	40/41/71	28.691	0.77	0.205	---	0.115
41	40/41/71	28.691	0.77	(0.205)	---	0.115
42		28.138	0.75	0.147	---	0.0383
43	43/73	---	---	ND	---	0.0766
44	44/47/65	27.635	0.78	0.747	---	0.115
45	45/51	24.701	0.80	0.103	---	0.0766
46		24.935	0.78	0.0556	---	0.0383
47	44/47/65	27.635	0.78	(0.747)	---	0.115
48		---	---	ND	---	0.0383

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REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW S12R
Lab Sample ID 40268156029
Filename Y231007B_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
49	49/69	27.031	0.80	0.996	---	0.0766
50	50/53	23.846	0.80	0.226	---	0.0766
51	45/51	24.701	0.80	(0.103)	---	0.0766
52		26.495	0.79	1.29	---	0.198
53	50/53	23.846	0.80	(0.226)	---	0.0766
54		---	---	ND	---	0.0383
55		---	---	ND	---	0.0383
56		---	---	ND	---	0.0383
57		---	---	ND	---	0.0383
58		---	---	ND	---	0.0383
59	59/62/75	---	---	ND	---	0.115
60		---	---	ND	---	0.0383
61	61/70/74/76	31.630	0.81	0.268	---	0.153
62	59/62/75	---	---	ND	---	0.115
63		---	---	ND	---	0.0383
64		28.926	0.79	0.0876	---	0.0383
65	44/47/65	27.635	0.78	(0.747)	---	0.115
66		31.982	0.81	0.223	---	0.0904
67		---	---	ND	---	0.0383
68		---	---	ND	---	0.0383
69	49/69	27.031	0.80	(0.996)	---	0.0766
70	61/70/74/76	31.630	0.81	(0.268)	---	0.153
71	40/41/71	28.691	0.77	(0.205)	---	0.115
72		29.819	0.78	0.0415	---	0.0383
73	43/73	---	---	ND	---	0.0766
74	61/70/74/76	31.630	0.81	(0.268)	---	0.153
75	59/62/75	---	---	ND	---	0.115
76	61/70/74/76	31.630	0.81	(0.268)	---	0.153
77		---	---	ND	---	0.0383
78		---	---	ND	---	0.0383
79		---	---	ND	---	0.0383
80		---	---	ND	---	0.0383
81		---	---	ND	---	0.0383
82		36.208	1.54	0.0398	---	0.0383
83		34.279	1.48	0.0595	---	0.0383
84		31.865	1.59	0.193	---	0.0383
85	85/116/117	35.704	1.53	0.121	---	0.115
86	86/87/97/108/119/125	34.950	1.67	0.418	---	0.230
87	86/87/97/108/119/125	34.950	1.67	(0.418)	---	0.230
88	88/91	31.630	1.53	0.203	---	0.0766
89		---	---	ND	---	0.0383
90	90/101/113	33.810	1.61	0.778	---	0.115
91	88/91	31.630	1.53	(0.203)	---	0.0766
92		33.189	1.55	0.343	---	0.0383
93	93/98/100/102	---	---	ND	---	0.153
94		---	---	ND	---	0.0383
95		30.708	1.53	0.636	---	0.107
96		---	---	ND	---	0.0383

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REPORT OF LABORATORY ANALYSIS

Report No.....10669309

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW S12R
Lab Sample ID 40268156029
Filename Y231007B_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
97	86/87/97/108/119/125	34.950	1.67	(0.418)	---	0.230
98	93/98/100/102	---	---	ND	---	0.153
99		34.430	1.52	0.423	---	0.0383
100	93/98/100/102	---	---	ND	---	0.153
101	90/101/113	33.810	1.61	(0.778)	---	0.115
102	93/98/100/102	---	---	ND	---	0.153
103		---	---	ND	---	0.0383
104		---	---	ND	---	0.0383
105		40.170	1.55	0.171	---	0.0383
106		---	---	ND	---	0.0383
107	107/124	---	---	ND	---	0.0766
108	86/87/97/108/119/125	34.950	1.67	(0.418)	---	0.230
109		38.510	1.56	0.0753	---	0.0383
110	110/115	35.855	1.59	1.13	---	0.0766
111		---	---	ND	---	0.0383
112		---	---	ND	---	0.0383
113	90/101/113	33.810	1.61	(0.778)	---	0.115
114		---	---	ND	---	0.0383
115	110/115	35.855	1.59	(1.13)	---	0.0766
116	85/116/117	35.704	1.53	(0.121)	---	0.115
117	85/116/117	35.704	1.53	(0.121)	---	0.115
118		38.979	1.57	0.632	---	0.0598
119	86/87/97/108/119/125	34.950	1.67	(0.418)	---	0.230
120		---	---	ND	---	0.0383
121		---	---	ND	---	0.0383
122		---	---	ND	---	0.0383
123		---	---	ND	---	0.0383
124	107/124	---	---	ND	---	0.0766
125	86/87/97/108/119/125	34.950	1.67	(0.418)	---	0.230
126		---	---	ND	---	0.0383
127		---	---	ND	---	0.0383
128	128/166	43.456	1.20	0.135	---	0.0766
129	129/138/163	42.165	1.26	0.835	---	0.115
130		41.494	1.36	0.0661	---	0.0383
131		---	---	ND	---	0.0383
132		39.080	1.23	0.282	---	0.0383
133		---	---	ND	---	0.0383
134	134/143	---	---	ND	---	0.0766
135	135/151	36.811	1.24	0.271	---	0.0766
136		34.330	1.25	0.0930	---	0.0383
137		41.729	1.17	0.0400	---	0.0383
138	129/138/163	42.165	1.26	(0.835)	---	0.115
139	139/140	---	---	ND	---	0.0766
140	139/140	---	---	ND	---	0.0766
141		41.092	1.18	0.0786	---	0.0383
142		---	---	ND	---	0.0383
143	134/143	---	---	ND	---	0.0766
144		---	---	ND	---	0.0383

Conc = Concentration
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REPORT OF LABORATORY ANALYSIS

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Tel: 612-607-1700
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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S12R
Lab Sample ID	40268156029
Filename	Y231007B_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
145		---	---	ND	---	0.0383
146		40.254	1.23	0.135	---	0.0383
147	147/149	37.789	1.26	0.606	---	0.0766
148		---	---	ND	---	0.0383
149	147/149	37.789	1.26	(0.606)	---	0.0766
150		---	---	ND	---	0.0383
151	135/151	36.811	1.24	(0.271)	---	0.0766
152		---	---	ND	---	0.0383
153	153/168	40.891	1.29	0.550	---	0.0766
154		---	---	ND	---	0.0383
155		---	---	ND	---	0.0383
156	156/157	46.362	1.25	0.0974	---	0.0766
157	156/157	46.362	1.25	(0.0974)	---	0.0766
158		42.568	1.42	0.0674	---	0.0383
159		---	---	ND	---	0.0383
160		---	---	ND	---	0.0383
161		---	---	ND	---	0.0383
162		---	---	ND	---	0.0383
163	129/138/163	42.165	1.26	(0.835)	---	0.115
164		41.847	1.20	0.0476	---	0.0383
165		---	---	ND	---	0.0383
166	128/166	43.456	1.20	(0.135)	---	0.0766
167		---	---	ND	---	0.0383
168	153/168	40.891	1.29	(0.550)	---	0.0766
169		---	---	ND	---	0.0383
170		49.061	1.09	0.0897	---	0.0383
171	171/173	---	---	ND	---	0.0766
172		---	---	ND	---	0.0383
173	171/173	---	---	ND	---	0.0766
174		44.401	1.06	0.0669	---	0.0383
175		---	---	ND	---	0.0383
176		---	---	ND	---	0.0383
177		44.836	1.01	0.0604	---	0.0383
178		---	---	ND	---	0.0383
179		---	---	ND	---	0.0383
180	180/193	47.804	1.05	0.146	---	0.0766
181		---	---	ND	---	0.0383
182		---	---	ND	---	0.0383
183	183/185	---	---	ND	---	0.0766
184		---	---	ND	---	0.0383
185	183/185	---	---	ND	---	0.0766
186		---	---	ND	---	0.0383
187		43.540	1.09	0.103	---	0.0383
188		---	---	ND	---	0.0383
189		---	---	ND	---	0.0383
190		---	---	ND	---	0.0383
191		---	---	ND	---	0.0383
192		---	---	ND	---	0.0383

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client Sample ID	MR SW S12R
Lab Sample ID	40268156029
Filename	Y231007B_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
193	180/193	47.804	1.05	(0.146)	---	0.0766
194		---	---	ND	---	0.0383
195		---	---	ND	---	0.0383
196		---	---	ND	---	0.0383
197	197/200	---	---	ND	---	0.0766
198	198/199	---	---	ND	---	0.0766
199	198/199	---	---	ND	---	0.0766
200	197/200	---	---	ND	---	0.0766
201		---	---	ND	---	0.0383
202		---	---	ND	---	0.0383
203		---	---	ND	---	0.0383
204		---	---	ND	---	0.0383
205		---	---	ND	---	0.0383
206		---	---	ND	---	0.0383
207		---	---	ND	---	0.0383
208		---	---	ND	---	0.0383
209		---	---	ND	---	0.0383

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client Sample ID	MR SW S12R
Lab Sample ID	40268156029
Filename	Y231007B_05

Congener Group	Concentration ng/L
Total Monochloro Biphenyls	0.0451
Total Dichloro Biphenyls	0.269
Total Trichloro Biphenyls	0.979
Total Tetrachloro Biphenyls	4.39
Total Pentachloro Biphenyls	5.23
Total Hexachloro Biphenyls	3.30
Total Heptachloro Biphenyls	0.466
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	14.7

ND = Not Detected

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	MR SW S13R		
Lab Sample ID	40268156030		
Filename	Y231007B_06		
Injected By	BAL		
Total Amount Extracted	1030 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/13/2023 16:00
ICAL ID	Y231007B02	Received	09/19/2023 16:15
CCal Filename(s)	Y231007B_01	Extracted	09/27/2023 14:30
Method Blank ID	BLANK-108511	Analyzed	10/08/2023 06:37

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.881	3.07	2.0	1.22	61
13C-4-MoCB	3	13.673	3.09	2.0	1.43	71
13C-2,2'-DiCB	4	13.972	1.59	2.0	1.12	56
13C-4,4'-DiCB	15	21.074	1.59	2.0	1.73	87
13C-2,2',6-TrCB	19	17.804	1.08	2.0	1.33	67
13C-3,4,4'-TrCB	37	28.826	1.06	2.0	1.90	95
13C-2,2',6,6'-TeCB	54	21.415	0.80	2.0	1.56	78
13C-3,4,4',5-TeCB	81	35.957	0.79	2.0	1.96	98
13C-3,3',4,4'-TeCB	77	36.544	0.79	2.0	1.98	99
13C-2,2',4,6,6'-PeCB	104	27.518	1.64	2.0	1.59	79
13C-2,3,3',4,4'-PeCB	105	40.154	1.58	2.0	1.96	98
13C-2,3,4,4',5-PeCB	114	39.500	1.57	2.0	1.99	100
13C-2,3',4,4',5-PeCB	118	38.947	1.61	2.0	1.97	99
13C-2,3',4,4',5'-PeCB	123	38.595	1.58	2.0	1.94	97
13C-3,3',4,4',5-PeCB	126	43.306	1.62	2.0	2.00	100
13C-2,2',4,4',6,6'-HxCB	155	33.576	1.32	2.0	1.50	75
13C-HxCB (156/157)	156/157	46.380	1.27	4.0	3.89	97
13C-2,3',4,4',5,5'-HxCB	167	45.189	1.27	2.0	1.91	95
13C-3,3',4,4',5,5'-HxCB	169	49.649	1.27	2.0	1.98	99
13C-2,2',3,4',5,6,6'-HpCB	188	39.483	1.00	2.0	1.45	73
13C-2,3,3',4,4',5,5'-HpCB	189	52.215	1.09	2.0	1.78	89
13C-2,2',3,3',5,5',6,6'-OcCB	202	44.954	0.89	2.0	1.45	73
13C-2,3,3',4,4',5,5',6-OcCB	205	54.801	0.89	2.0	1.66	83
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.547	0.81	2.0	1.58	79
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.719	0.79	2.0	1.64	82
13C-DeCB	209	58.207	0.73	2.0	1.50	75
Cleanup Standards						
13C-2,4,4'-TrCB	28	24.483	1.05	2.0	1.83	92
13C-2,3,3',5,5'-PeCB	111	36.577	1.58	2.0	1.64	82
13C-2,2',3,3',5,5',6-HpCB	178	42.585	1.05	2.0	1.58	79
Recovery Standards						
13C-2,5-DiCB	9	16.438	1.58	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	26.479	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.777	1.58	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	42.132	1.28	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	54.305	0.89	2.0	NA	NA

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S13R
Lab Sample ID	40268156030
Filename	Y231007B_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
1		---	---	ND	---	0.0389
2		---	---	ND	---	0.0389
3		---	---	ND	---	0.0389
4		13.996	1.56	0.137	---	0.0389
5		---	---	ND	---	0.0389
6		16.941	1.35	0.0907	---	0.0389
7		---	---	ND	---	0.0389
8		17.468	1.53	0.0404	---	0.0389
9		---	---	ND	---	0.0389
10		---	---	ND	---	0.0389
11		---	---	ND	---	0.381
12	12/13	---	---	ND	---	0.0777
13	12/13	---	---	ND	---	0.0777
14		---	---	ND	---	0.0389
15		---	---	ND	---	0.0513
16		---	---	ND	---	0.0389
17		20.523	1.09	0.100	---	0.0389
18	18/30	20.020	1.05	0.0905	---	0.0777
19		17.828	1.07	0.0728	---	0.0389
20	20/28	24.517	1.08	0.201	---	0.201
21	21/33	---	---	ND	---	0.210
22		---	---	ND	---	0.148
23		---	---	ND	---	0.0389
24		---	---	ND	---	0.0389
25		23.830	1.03	0.170	---	0.0389
26	26/29	23.561	1.05	0.297	---	0.0777
27		---	---	ND	---	0.0389
28	20/28	24.517	1.08	(0.201)	---	0.201
29	26/29	23.561	1.05	(0.297)	---	0.0777
30	18/30	20.020	1.05	(0.0905)	---	0.0777
31		---	---	ND	---	0.202
32		21.650	1.03	0.0826	---	0.0389
33	21/33	---	---	ND	---	0.210
34		---	---	ND	---	0.0389
35		---	---	ND	---	0.0389
36		---	---	ND	---	0.0389
37		---	---	ND	---	0.0824
38		---	---	ND	---	0.0389
39		---	---	ND	---	0.0389
40	40/41/71	28.675	0.80	0.231	---	0.117
41	40/41/71	28.675	0.80	(0.231)	---	0.117
42		28.155	0.80	0.163	---	0.0389
43	43/73	---	---	ND	---	0.0777
44	44/47/65	27.635	0.78	0.772	---	0.117
45	45/51	24.701	0.81	0.117	---	0.0777
46		24.953	0.78	0.0614	---	0.0389
47	44/47/65	27.635	0.78	(0.772)	---	0.117
48		---	---	ND	---	0.0389

Conc = Concentration
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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S13R
Lab Sample ID	40268156030
Filename	Y231007B_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
49	49/69	27.032	0.78	1.05	---	0.0777
50	50/53	23.863	0.81	0.251	---	0.0777
51	45/51	24.701	0.81	(0.117)	---	0.0777
52		26.495	0.81	1.40	---	0.201
53	50/53	23.863	0.81	(0.251)	---	0.0777
54		---	---	ND	---	0.0389
55		---	---	ND	---	0.0389
56		32.688	0.77	0.0501	---	0.0389
57		---	---	ND	---	0.0389
58		---	---	ND	---	0.0389
59	59/62/75	---	---	ND	---	0.117
60		---	---	ND	---	0.0389
61	61/70/74/76	31.615	0.79	0.340	---	0.155
62	59/62/75	---	---	ND	---	0.117
63		---	---	ND	---	0.0389
64		28.927	0.82	0.0985	---	0.0389
65	44/47/65	27.635	0.78	(0.772)	---	0.117
66		31.983	0.79	0.260	---	0.0917
67		---	---	ND	---	0.0389
68		---	---	ND	---	0.0389
69	49/69	27.032	0.78	(1.05)	---	0.0777
70	61/70/74/76	31.615	0.79	(0.340)	---	0.155
71	40/41/71	28.675	0.80	(0.231)	---	0.117
72		29.820	0.83	0.0449	---	0.0389
73	43/73	---	---	ND	---	0.0777
74	61/70/74/76	31.615	0.79	(0.340)	---	0.155
75	59/62/75	---	---	ND	---	0.117
76	61/70/74/76	31.615	0.79	(0.340)	---	0.155
77		---	---	ND	---	0.0389
78		---	---	ND	---	0.0389
79		---	---	ND	---	0.0389
80		---	---	ND	---	0.0389
81		---	---	ND	---	0.0389
82		36.192	1.49	0.0578	---	0.0389
83		34.280	1.54	0.0761	---	0.0389
84		31.866	1.61	0.229	---	0.0389
85	85/116/117	35.689	1.55	0.162	---	0.117
86	86/87/97/108/119/125	34.951	1.61	0.555	---	0.233
87	86/87/97/108/119/125	34.951	1.61	(0.555)	---	0.233
88	88/91	31.631	1.55	0.234	---	0.0777
89		---	---	ND	---	0.0389
90	90/101/113	33.811	1.55	0.998	---	0.117
91	88/91	31.631	1.55	(0.234)	---	0.0777
92		33.190	1.55	0.381	---	0.0389
93	93/98/100/102	---	---	ND	---	0.155
94		---	---	ND	---	0.0389
95		30.692	1.57	0.779	---	0.109
96		---	---	ND	---	0.0389

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REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S13R
Lab Sample ID	40268156030
Filename	Y231007B_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
97	86/87/97/108/119/125	34.951	1.61	(0.555)	---	0.233
98	93/98/100/102	---	---	ND	---	0.155
99		34.431	1.57	0.519	---	0.0389
100	93/98/100/102	---	---	ND	---	0.155
101	90/101/113	33.811	1.55	(0.998)	---	0.117
102	93/98/100/102	---	---	ND	---	0.155
103		---	---	ND	---	0.0389
104		---	---	ND	---	0.0389
105		40.171	1.65	0.241	---	0.0389
106		---	---	ND	---	0.0389
107	107/124	---	---	ND	---	0.0777
108	86/87/97/108/119/125	34.951	1.61	(0.555)	---	0.233
109		38.494	1.55	0.0948	---	0.0389
110	110/115	35.856	1.59	1.42	---	0.0777
111		---	---	ND	---	0.0389
112		---	---	ND	---	0.0389
113	90/101/113	33.811	1.55	(0.998)	---	0.117
114		---	---	ND	---	0.0389
115	110/115	35.856	1.59	(1.42)	---	0.0777
116	85/116/117	35.689	1.55	(0.162)	---	0.117
117	85/116/117	35.689	1.55	(0.162)	---	0.117
118		38.963	1.59	0.858	---	0.0606
119	86/87/97/108/119/125	34.951	1.61	(0.555)	---	0.233
120		---	---	ND	---	0.0389
121		---	---	ND	---	0.0389
122		---	---	ND	---	0.0389
123		---	---	ND	---	0.0389
124	107/124	---	---	ND	---	0.0777
125	86/87/97/108/119/125	34.951	1.61	(0.555)	---	0.233
126		---	---	ND	---	0.0389
127		---	---	ND	---	0.0389
128	128/166	43.457	1.25	0.166	---	0.0777
129	129/138/163	42.166	1.24	0.972	---	0.117
130		41.495	1.18	0.0839	---	0.0389
131		---	---	ND	---	0.0389
132		39.064	1.25	0.340	---	0.0389
133		---	---	ND	---	0.0389
134	134/143	---	---	ND	---	0.0777
135	135/151	36.829	1.25	0.293	---	0.0777
136		34.331	1.28	0.105	---	0.0389
137		41.713	1.23	0.0422	---	0.0389
138	129/138/163	42.166	1.24	(0.972)	---	0.117
139	139/140	---	---	ND	---	0.0777
140	139/140	---	---	ND	---	0.0777
141		41.093	1.19	0.107	---	0.0389
142		---	---	ND	---	0.0389
143	134/143	---	---	ND	---	0.0777
144		---	---	ND	---	0.0389

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Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW S13R
Lab Sample ID	40268156030
Filename	Y231007B_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
145		---	---	ND	---	0.0389
146		40.254	1.26	0.146	---	0.0389
147	147/149	37.773	1.27	0.694	---	0.0777
148		---	---	ND	---	0.0389
149	147/149	37.773	1.27	(0.694)	---	0.0777
150		---	---	ND	---	0.0389
151	135/151	36.829	1.25	(0.293)	---	0.0777
152		---	---	ND	---	0.0389
153	153/168	40.875	1.23	0.646	---	0.0777
154		---	---	ND	---	0.0389
155		---	---	ND	---	0.0389
156	156/157	46.380	1.23	0.132	---	0.0777
157	156/157	46.380	1.23	(0.132)	---	0.0777
158		42.568	1.30	0.0833	---	0.0389
159		---	---	ND	---	0.0389
160		---	---	ND	---	0.0389
161		---	---	ND	---	0.0389
162		---	---	ND	---	0.0389
163	129/138/163	42.166	1.24	(0.972)	---	0.117
164		41.831	1.23	0.0666	---	0.0389
165		---	---	ND	---	0.0389
166	128/166	43.457	1.25	(0.166)	---	0.0777
167		45.223	1.26	0.0438	---	0.0389
168	153/168	40.875	1.23	(0.646)	---	0.0777
169		---	---	ND	---	0.0389
170		49.079	1.00	0.106	---	0.0389
171	171/173	---	---	ND	---	0.0777
172		---	---	ND	---	0.0389
173	171/173	---	---	ND	---	0.0777
174		44.401	1.03	0.0771	---	0.0389
175		---	---	ND	---	0.0389
176		---	---	ND	---	0.0389
177		44.837	0.97	0.0634	---	0.0389
178		---	---	ND	---	0.0389
179		39.835	1.01	0.0392	---	0.0389
180	180/193	47.805	1.04	0.170	---	0.0777
181		---	---	ND	---	0.0389
182		---	---	ND	---	0.0389
183	183/185	---	---	ND	---	0.0777
184		---	---	ND	---	0.0389
185	183/185	---	---	ND	---	0.0777
186		---	---	ND	---	0.0389
187		43.541	1.12	0.106	---	0.0389
188		---	---	ND	---	0.0389
189		---	---	ND	---	0.0389
190		---	---	ND	---	0.0389
191		---	---	ND	---	0.0389
192		---	---	ND	---	0.0389

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client Sample ID MR SW S13R
Lab Sample ID 40268156030
Filename Y231007B_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
193	180/193	47.805	1.04	(0.170)	---	0.0777
194		---	---	ND	---	0.0389
195		---	---	ND	---	0.0389
196		---	---	ND	---	0.0389
197	197/200	---	---	ND	---	0.0777
198	198/199	---	---	ND	---	0.0777
199	198/199	---	---	ND	---	0.0777
200	197/200	---	---	ND	---	0.0777
201		---	---	ND	---	0.0389
202		---	---	ND	---	0.0389
203		---	---	ND	---	0.0389
204		---	---	ND	---	0.0389
205		---	---	ND	---	0.0389
206		---	---	ND	---	0.0389
207		---	---	ND	---	0.0389
208		---	---	ND	---	0.0389
209		---	---	ND	---	0.0389

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client Sample ID	MR SW S13R
Lab Sample ID	40268156030
Filename	Y231007B_06

Congener Group	Concentration ng/L
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	0.268
Total Trichloro Biphenyls	1.01
Total Tetrachloro Biphenyls	4.84
Total Pentachloro Biphenyls	6.60
Total Hexachloro Biphenyls	3.92
Total Heptachloro Biphenyls	0.562
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	17.2

ND = Not Detected

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Pace Analytical™

Method 1668C Polychlorobiphenyl Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	MR SW 010L		
Lab Sample ID	40268156031		
Filename	Y231007B_07		
Injected By	BAL		
Total Amount Extracted	1050 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/13/2023 16:00
ICAL ID	Y231007B02	Received	09/19/2023 16:15
CCal Filename(s)	Y231007B_01	Extracted	09/27/2023 14:30
Method Blank ID	BLANK-108511	Analyzed	10/08/2023 07:38

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.869	3.06	2.0	1.25	63
13C-4-MoCB	3	13.660	3.06	2.0	1.53	76
13C-2,2'-DiCB	4	13.972	1.63	2.0	1.23	62
13C-4,4'-DiCB	15	21.074	1.56	2.0	1.78	89
13C-2,2',6-TrCB	19	17.804	1.07	2.0	1.35	67
13C-3,4,4'-TrCB	37	28.826	1.06	2.0	1.99	99
13C-2,2',6,6'-TeCB	54	21.415	0.79	2.0	1.59	79
13C-3,4,4',5-TeCB	81	35.957	0.79	2.0	2.08	104
13C-3,3',4,4'-TeCB	77	36.544	0.78	2.0	2.11	106
13C-2,2',4,6,6'-PeCB	104	27.535	1.64	2.0	1.57	79
13C-2,3,3',4,4'-PeCB	105	40.154	1.58	2.0	2.06	103
13C-2,3,4,4',5-PeCB	114	39.500	1.60	2.0	2.11	105
13C-2,3',4,4',5-PeCB	118	38.947	1.60	2.0	2.09	104
13C-2,3',4,4',5'-PeCB	123	38.612	1.54	2.0	2.08	104
13C-3,3',4,4',5-PeCB	126	43.306	1.57	2.0	2.10	105
13C-2,2',4,4',6,6'-HxCB	155	33.576	1.35	2.0	1.54	77
13C-HxCB (156/157)	156/157	46.380	1.26	4.0	4.17	104
13C-2,3',4,4',5,5'-HxCB	167	45.189	1.29	2.0	2.03	101
13C-3,3',4,4',5,5'-HxCB	169	49.650	1.26	2.0	2.06	103
13C-2,2',3,4',5,6,6'-HpCB	188	39.484	1.00	2.0	1.44	72
13C-2,3,3',4,4',5,5'-HpCB	189	52.194	1.10	2.0	1.80	90
13C-2,2',3,3',5,5',6,6'-OcCB	202	44.955	0.91	2.0	1.47	74
13C-2,3,3',4,4',5,5',6-OcCB	205	54.801	0.89	2.0	1.70	85
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.547	0.81	2.0	1.59	80
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.719	0.81	2.0	1.61	81
13C-DeCB	209	58.207	0.73	2.0	1.52	76
Cleanup Standards						
13C-2,4,4'-TrCB	28	24.483	1.05	2.0	1.85	93
13C-2,3,3',5,5'-PeCB	111	36.577	1.58	2.0	1.68	84
13C-2,2',3,3',5,5',6-HpCB	178	42.585	1.02	2.0	1.64	82
Recovery Standards						
13C-2,5-DiCB	9	16.438	1.56	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	26.479	0.81	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.778	1.61	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	42.133	1.29	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	54.306	0.91	2.0	NA	NA

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW 010L
Lab Sample ID	40268156031
Filename	Y231007B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
1		10.881	3.24	0.0887	---	0.0381
2		---	---	ND	---	0.0381
3		---	---	ND	---	0.0381
4		13.996	1.55	0.340	---	0.0381
5		---	---	ND	---	0.0381
6		16.953	1.53	0.186	---	0.0381
7		16.666	1.58	0.0437	---	0.0381
8		17.468	1.59	0.0554	---	0.0381
9		16.462	1.62	0.0441	---	0.0381
10		---	---	ND	---	0.0381
11		---	---	ND	---	0.374
12	12/13	---	---	ND	---	0.0762
13	12/13	---	---	ND	---	0.0762
14		---	---	ND	---	0.0381
15		---	---	ND	---	0.0503
16		---	---	ND	---	0.0381
17		20.523	1.06	0.180	---	0.0381
18	18/30	20.032	1.04	0.137	---	0.0762
19		17.828	1.07	0.159	---	0.0381
20	20/28	24.517	1.01	0.261	---	0.197
21	21/33	---	---	ND	---	0.206
22		---	---	ND	---	0.145
23		---	---	ND	---	0.0381
24		---	---	ND	---	0.0381
25		23.829	1.04	0.267	---	0.0381
26	26/29	23.561	1.06	0.478	---	0.0762
27		---	---	ND	---	0.0381
28	20/28	24.517	1.01	(0.261)	---	0.197
29	26/29	23.561	1.06	(0.478)	---	0.0762
30	18/30	20.032	1.04	(0.137)	---	0.0762
31		---	---	ND	---	0.198
32		21.633	1.01	0.0929	---	0.0381
33	21/33	---	---	ND	---	0.206
34		---	---	ND	---	0.0381
35		---	---	ND	---	0.0381
36		---	---	ND	---	0.0381
37		---	---	ND	---	0.0808
38		---	---	ND	---	0.0381
39		---	---	ND	---	0.0381
40	40/41/71	28.675	0.78	0.297	---	0.114
41	40/41/71	28.675	0.78	(0.297)	---	0.114
42		28.155	0.79	0.206	---	0.0381
43	43/73	---	---	ND	---	0.0762
44	44/47/65	27.652	0.78	1.02	---	0.114
45	45/51	24.701	0.78	0.162	---	0.0762
46		24.953	0.87	0.0773	---	0.0381
47	44/47/65	27.652	0.78	(1.02)	---	0.114
48		---	---	ND	---	0.0381

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client Sample ID	MR SW 010L
Lab Sample ID	40268156031
Filename	Y231007B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
49	49/69	27.032	0.81	1.44	---	0.0762
50	50/53	23.863	0.78	0.320	---	0.0762
51	45/51	24.701	0.78	(0.162)	---	0.0762
52		26.495	0.79	1.91	---	0.197
53	50/53	23.863	0.78	(0.320)	---	0.0762
54		---	---	ND	---	0.0381
55		---	---	ND	---	0.0381
56		32.688	0.81	0.0514	---	0.0381
57		30.575	0.82	0.0528	---	0.0381
58		---	---	ND	---	0.0381
59	59/62/75	---	---	ND	---	0.114
60		---	---	ND	---	0.0381
61	61/70/74/76	31.615	0.79	0.342	---	0.152
62	59/62/75	---	---	ND	---	0.114
63		31.296	0.87	0.0384	---	0.0381
64		28.927	0.83	0.118	---	0.0381
65	44/47/65	27.652	0.78	(1.02)	---	0.114
66		31.983	0.80	0.297	---	0.0900
67		---	---	ND	---	0.0381
68		30.139	0.78	0.0440	---	0.0381
69	49/69	27.032	0.81	(1.44)	---	0.0762
70	61/70/74/76	31.615	0.79	(0.342)	---	0.152
71	40/41/71	28.675	0.78	(0.297)	---	0.114
72		29.820	0.79	0.0566	---	0.0381
73	43/73	---	---	ND	---	0.0762
74	61/70/74/76	31.615	0.79	(0.342)	---	0.152
75	59/62/75	---	---	ND	---	0.114
76	61/70/74/76	31.615	0.79	(0.342)	---	0.152
77		---	---	ND	---	0.0381
78		---	---	ND	---	0.0381
79		---	---	ND	---	0.0381
80		---	---	ND	---	0.0381
81		---	---	ND	---	0.0381
82		36.192	1.56	0.0404	---	0.0381
83		34.297	1.57	0.102	---	0.0381
84		31.849	1.58	0.252	---	0.0381
85	85/116/117	35.706	1.57	0.136	---	0.114
86	86/87/97/108/119/125	34.951	1.57	0.490	---	0.229
87	86/87/97/108/119/125	34.951	1.57	(0.490)	---	0.229
88	88/91	31.631	1.58	0.275	---	0.0762
89		---	---	ND	---	0.0381
90	90/101/113	33.811	1.55	0.924	---	0.114
91	88/91	31.631	1.58	(0.275)	---	0.0762
92		33.190	1.56	0.450	---	0.0381
93	93/98/100/102	---	---	ND	---	0.152
94		---	---	ND	---	0.0381
95		30.692	1.55	0.823	---	0.107
96		---	---	ND	---	0.0381

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW 010L
Lab Sample ID 40268156031
Filename Y231007B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
97	86/87/97/108/119/125	34.951	1.57	(0.490)	---	0.229
98	93/98/100/102	---	---	ND	---	0.152
99		34.431	1.64	0.484	---	0.0381
100	93/98/100/102	---	---	ND	---	0.152
101	90/101/113	33.811	1.55	(0.924)	---	0.114
102	93/98/100/102	---	---	ND	---	0.152
103		30.005	1.62	0.0394	---	0.0381
104		---	---	ND	---	0.0381
105		40.171	1.55	0.170	---	0.0381
106		---	---	ND	---	0.0381
107	107/124	---	---	ND	---	0.0762
108	86/87/97/108/119/125	34.951	1.57	(0.490)	---	0.229
109		38.511	1.48	0.0893	---	0.0381
110	110/115	35.856	1.57	1.44	---	0.0762
111		---	---	ND	---	0.0381
112		---	---	ND	---	0.0381
113	90/101/113	33.811	1.55	(0.924)	---	0.114
114		---	---	ND	---	0.0381
115	110/115	35.856	1.57	(1.44)	---	0.0762
116	85/116/117	35.706	1.57	(0.136)	---	0.114
117	85/116/117	35.706	1.57	(0.136)	---	0.114
118		38.964	1.62	0.703	---	0.0595
119	86/87/97/108/119/125	34.951	1.57	(0.490)	---	0.229
120		---	---	ND	---	0.0381
121		---	---	ND	---	0.0381
122		---	---	ND	---	0.0381
123		---	---	ND	---	0.0381
124	107/124	---	---	ND	---	0.0762
125	86/87/97/108/119/125	34.951	1.57	(0.490)	---	0.229
126		---	---	ND	---	0.0381
127		---	---	ND	---	0.0381
128	128/166	43.457	1.29	0.129	---	0.0762
129	129/138/163	42.166	1.27	0.792	---	0.114
130		41.496	1.28	0.0707	---	0.0381
131		---	---	ND	---	0.0381
132		39.064	1.24	0.326	---	0.0381
133		---	---	ND	---	0.0381
134	134/143	---	---	ND	---	0.0762
135	135/151	36.829	1.23	0.309	---	0.0762
136		34.331	1.27	0.114	---	0.0381
137		---	---	ND	---	0.0381
138	129/138/163	42.166	1.27	(0.792)	---	0.114
139	139/140	---	---	ND	---	0.0762
140	139/140	---	---	ND	---	0.0762
141		41.076	1.30	0.0746	---	0.0381
142		---	---	ND	---	0.0381
143	134/143	---	---	ND	---	0.0762
144		---	---	ND	---	0.0381

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client Sample ID MR SW 010L
Lab Sample ID 40268156031
Filename Y231007B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
145		---	---	ND	---	0.0381
146		40.238	1.28	0.144	---	0.0381
147	147/149	37.773	1.27	0.710	---	0.0762
148		---	---	ND	---	0.0381
149	147/149	37.773	1.27	(0.710)	---	0.0762
150		---	---	ND	---	0.0381
151	135/151	36.829	1.23	(0.309)	---	0.0762
152		---	---	ND	---	0.0381
153	153/168	40.892	1.27	0.549	---	0.0762
154		---	---	ND	---	0.0381
155		---	---	ND	---	0.0381
156	156/157	46.380	1.26	0.0974	---	0.0762
157	156/157	46.380	1.26	(0.0974)	---	0.0762
158		42.569	1.20	0.0601	---	0.0381
159		---	---	ND	---	0.0381
160		---	---	ND	---	0.0381
161		---	---	ND	---	0.0381
162		---	---	ND	---	0.0381
163	129/138/163	42.166	1.27	(0.792)	---	0.114
164		41.848	1.24	0.0470	---	0.0381
165		---	---	ND	---	0.0381
166	128/166	43.457	1.29	(0.129)	---	0.0762
167		---	---	ND	---	0.0381
168	153/168	40.892	1.27	(0.549)	---	0.0762
169		---	---	ND	---	0.0381
170		49.063	1.02	0.0953	---	0.0381
171	171/173	---	---	ND	---	0.0762
172		---	---	ND	---	0.0381
173	171/173	---	---	ND	---	0.0762
174		44.385	1.10	0.0760	---	0.0381
175		---	---	ND	---	0.0381
176		---	---	ND	---	0.0381
177		44.854	0.97	0.0736	---	0.0381
178		---	---	ND	---	0.0381
179		39.836	1.11	0.0439	---	0.0381
180	180/193	47.788	1.02	0.155	---	0.0762
181		---	---	ND	---	0.0381
182		---	---	ND	---	0.0381
183	183/185	---	---	ND	---	0.0762
184		---	---	ND	---	0.0381
185	183/185	---	---	ND	---	0.0762
186		---	---	ND	---	0.0381
187		43.541	1.05	0.113	---	0.0381
188		---	---	ND	---	0.0381
189		---	---	ND	---	0.0381
190		---	---	ND	---	0.0381
191		---	---	ND	---	0.0381
192		---	---	ND	---	0.0381

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW 010L
Lab Sample ID 40268156031
Filename Y231007B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
193	180/193	47.788	1.02	(0.155)	---	0.0762
194		---	---	ND	---	0.0381
195		---	---	ND	---	0.0381
196		---	---	ND	---	0.0381
197	197/200	---	---	ND	---	0.0762
198	198/199	---	---	ND	---	0.0762
199	198/199	---	---	ND	---	0.0762
200	197/200	---	---	ND	---	0.0762
201		---	---	ND	---	0.0381
202		---	---	ND	---	0.0381
203		---	---	ND	---	0.0381
204		---	---	ND	---	0.0381
205		---	---	ND	---	0.0381
206		---	---	ND	---	0.0381
207		---	---	ND	---	0.0381
208		---	---	ND	---	0.0381
209		---	---	ND	---	0.0381

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REPORT OF LABORATORY ANALYSIS

Report No.....10669309

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl Sample Analysis Results

Client Sample ID	MR SW 010L
Lab Sample ID	40268156031
Filename	Y231007B_07

Congener Group	Concentration ng/L
Total Monochloro Biphenyls	0.0887
Total Dichloro Biphenyls	0.669
Total Trichloro Biphenyls	1.58
Total Tetrachloro Biphenyls	6.43
Total Pentachloro Biphenyls	6.42
Total Hexachloro Biphenyls	3.42
Total Heptachloro Biphenyls	0.557
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	19.2

ND = Not Detected

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	MR SW DUP 01		
Lab Sample ID	40268156032		
Filename	Y231007B_08		
Injected By	BAL		
Total Amount Extracted	1010 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/13/2023
ICAL ID	Y231007B02	Received	09/19/2023 16:15
CCal Filename(s)	Y231007B_01	Extracted	09/27/2023 14:30
Method Blank ID	BLANK-108511	Analyzed	10/08/2023 08:40

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.785	3.02	2.0	1.19	60
13C-4-MoCB	3	13.613	3.09	2.0	1.38	69
13C-2,2'-DiCB	4	13.924	1.62	2.0	1.17	58
13C-4,4'-DiCB	15	21.050	1.57	2.0	1.63	82
13C-2,2',6-TrCB	19	17.768	1.10	2.0	1.29	64
13C-3,4,4'-TrCB	37	28.826	1.06	2.0	1.78	89
13C-2,2',6,6'-TeCB	54	21.398	0.80	2.0	1.51	76
13C-3,4,4',5-TeCB	81	35.957	0.78	2.0	1.85	93
13C-3,3',4,4'-TeCB	77	36.543	0.81	2.0	1.83	91
13C-2,2',4,6,6'-PeCB	104	27.518	1.61	2.0	1.48	74
13C-2,3,3',4,4'-PeCB	105	40.153	1.59	2.0	1.88	94
13C-2,3,4,4',5-PeCB	114	39.500	1.58	2.0	1.92	96
13C-2,3',4,4',5-PeCB	118	38.946	1.60	2.0	1.87	94
13C-2,3',4,4',5'-PeCB	123	38.611	1.56	2.0	1.88	94
13C-3,3',4,4',5-PeCB	126	43.306	1.59	2.0	1.77	89
13C-2,2',4,4',6,6'-HxCB	155	33.576	1.31	2.0	1.45	73
13C-HxCB (156/157)	156/157	46.379	1.28	4.0	3.69	92
13C-2,3',4,4',5,5'-HxCB	167	45.205	1.27	2.0	1.83	91
13C-3,3',4,4',5,5'-HxCB	169	49.648	1.25	2.0	1.79	90
13C-2,2',3,4',5,6,6'-HpCB	188	39.483	1.01	2.0	1.46	73
13C-2,3,3',4,4',5,5'-HpCB	189	52.214	1.06	2.0	1.68	84
13C-2,2',3,3',5,5',6,6'-OcCB	202	44.971	0.90	2.0	1.45	72
13C-2,3,3',4,4',5,5',6-OcCB	205	54.800	0.89	2.0	1.61	80
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.546	0.80	2.0	1.49	75
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.740	0.80	2.0	1.59	80
13C-DeCB	209	58.206	0.73	2.0	1.43	72
Cleanup Standards						
13C-2,4,4'-TrCB	28	24.483	1.06	2.0	1.75	87
13C-2,3,3',5,5'-PeCB	111	36.577	1.60	2.0	1.58	79
13C-2,2',3,3',5,5',6-HpCB	178	42.584	1.02	2.0	1.57	79
Recovery Standards						
13C-2,5-DiCB	9	16.402	1.55	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	26.462	0.78	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.777	1.60	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	42.132	1.28	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	54.326	0.91	2.0	NA	NA

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW DUP 01
Lab Sample ID 40268156032
Filename Y231007B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
1		---	---	ND	---	0.0395
2		---	---	ND	---	0.0395
3		---	---	ND	---	0.0395
4		13.948	1.50	0.135	---	0.0395
5		---	---	ND	---	0.0395
6		16.905	1.53	0.0933	---	0.0395
7		---	---	ND	---	0.0395
8		17.444	1.42	0.0429	---	0.0395
9		---	---	ND	---	0.0395
10		---	---	ND	---	0.0395
11		---	---	ND	---	0.388
12	12/13	---	---	ND	---	0.0791
13	12/13	---	---	ND	---	0.0791
14		---	---	ND	---	0.0395
15		---	---	ND	---	0.0522
16		---	---	ND	---	0.0395
17		20.499	1.08	0.105	---	0.0395
18	18/30	20.008	1.08	0.0937	---	0.0791
19		17.804	1.05	0.0747	---	0.0395
20	20/28	24.500	1.05	0.220	---	0.204
21	21/33	---	---	ND	---	0.214
22		---	---	ND	---	0.150
23		---	---	ND	---	0.0395
24		---	---	ND	---	0.0395
25		23.829	1.04	0.183	---	0.0395
26	26/29	23.561	1.03	0.328	---	0.0791
27		---	---	ND	---	0.0395
28	20/28	24.500	1.05	(0.220)	---	0.204
29	26/29	23.561	1.03	(0.328)	---	0.0791
30	18/30	20.008	1.08	(0.0937)	---	0.0791
31		---	---	ND	---	0.206
32		21.616	1.03	0.0797	---	0.0395
33	21/33	---	---	ND	---	0.214
34		---	---	ND	---	0.0395
35		---	---	ND	---	0.0395
36		---	---	ND	---	0.0395
37		---	---	ND	---	0.0838
38		---	---	ND	---	0.0395
39		---	---	ND	---	0.0395
40	40/41/71	28.691	0.77	0.255	---	0.119
41	40/41/71	28.691	0.77	(0.255)	---	0.119
42		28.155	0.80	0.182	---	0.0395
43	43/73	---	---	ND	---	0.0791
44	44/47/65	27.635	0.78	0.877	---	0.119
45	45/51	24.701	0.79	0.126	---	0.0791
46		24.952	0.79	0.0654	---	0.0395
47	44/47/65	27.635	0.78	(0.877)	---	0.119
48		---	---	ND	---	0.0395

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Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
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Tel: 612-607-1700
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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW DUP 01
Lab Sample ID 40268156032
Filename Y231007B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
49	49/69	27.032	0.78	1.16	---	0.0791
50	50/53	23.846	0.82	0.262	---	0.0791
51	45/51	24.701	0.79	(0.126)	---	0.0791
52		26.495	0.80	1.57	---	0.204
53	50/53	23.846	0.82	(0.262)	---	0.0791
54		---	---	ND	---	0.0395
55		---	---	ND	---	0.0395
56		32.670	0.76	0.0590	---	0.0395
57		---	---	ND	---	0.0395
58		---	---	ND	---	0.0395
59	59/62/75	---	---	ND	---	0.119
60		---	---	ND	---	0.0395
61	61/70/74/76	31.631	0.80	0.392	---	0.158
62	59/62/75	---	---	ND	---	0.119
63		---	---	ND	---	0.0395
64		28.909	0.75	0.112	---	0.0395
65	44/47/65	27.635	0.78	(0.877)	---	0.119
66		31.983	0.79	0.311	---	0.0933
67		---	---	ND	---	0.0395
68		---	---	ND	---	0.0395
69	49/69	27.032	0.78	(1.16)	---	0.0791
70	61/70/74/76	31.631	0.80	(0.392)	---	0.158
71	40/41/71	28.691	0.77	(0.255)	---	0.119
72		29.820	0.79	0.0529	---	0.0395
73	43/73	---	---	ND	---	0.0791
74	61/70/74/76	31.631	0.80	(0.392)	---	0.158
75	59/62/75	---	---	ND	---	0.119
76	61/70/74/76	31.631	0.80	(0.392)	---	0.158
77		---	---	ND	---	0.0395
78		---	---	ND	---	0.0395
79		---	---	ND	---	0.0395
80		---	---	ND	---	0.0395
81		---	---	ND	---	0.0395
82		36.208	1.49	0.0722	---	0.0395
83		34.297	1.61	0.109	---	0.0395
84		31.849	1.53	0.272	---	0.0395
85	85/116/117	35.705	1.54	0.193	---	0.119
86	86/87/97/108/119/125	34.951	1.55	0.688	---	0.237
87	86/87/97/108/119/125	34.951	1.55	(0.688)	---	0.237
88	88/91	31.631	1.50	0.272	---	0.0791
89		---	---	ND	---	0.0395
90	90/101/113	33.811	1.56	1.23	---	0.119
91	88/91	31.631	1.50	(0.272)	---	0.0791
92		33.190	1.58	0.456	---	0.0395
93	93/98/100/102	---	---	ND	---	0.158
94		---	---	ND	---	0.0395
95		30.709	1.59	0.926	---	0.111
96		---	---	ND	---	0.0395

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REPORT OF LABORATORY ANALYSIS

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Tel: 612-607-1700
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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW DUP 01
Lab Sample ID 40268156032
Filename Y231007B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
97	86/87/97/108/119/125	34.951	1.55	(0.688)	---	0.237
98	93/98/100/102	---	---	ND	---	0.158
99		34.431	1.61	0.640	---	0.0395
100	93/98/100/102	---	---	ND	---	0.158
101	90/101/113	33.811	1.56	(1.23)	---	0.119
102	93/98/100/102	---	---	ND	---	0.158
103		---	---	ND	---	0.0395
104		---	---	ND	---	0.0395
105		40.170	1.52	0.313	---	0.0395
106		---	---	ND	---	0.0395
107	107/124	---	---	ND	---	0.0791
108	86/87/97/108/119/125	34.951	1.55	(0.688)	---	0.237
109		38.510	1.47	0.121	---	0.0395
110	110/115	35.873	1.56	1.75	---	0.0791
111		---	---	ND	---	0.0395
112		---	---	ND	---	0.0395
113	90/101/113	33.811	1.56	(1.23)	---	0.119
114		---	---	ND	---	0.0395
115	110/115	35.873	1.56	(1.75)	---	0.0791
116	85/116/117	35.705	1.54	(0.193)	---	0.119
117	85/116/117	35.705	1.54	(0.193)	---	0.119
118		38.980	1.58	1.10	---	0.0617
119	86/87/97/108/119/125	34.951	1.55	(0.688)	---	0.237
120		---	---	ND	---	0.0395
121		---	---	ND	---	0.0395
122		---	---	ND	---	0.0395
123		---	---	ND	---	0.0395
124	107/124	---	---	ND	---	0.0791
125	86/87/97/108/119/125	34.951	1.55	(0.688)	---	0.237
126		---	---	ND	---	0.0395
127		---	---	ND	---	0.0395
128	128/166	43.456	1.24	0.221	---	0.0791
129	129/138/163	42.165	1.23	1.28	---	0.119
130		41.495	1.20	0.110	---	0.0395
131		---	---	ND	---	0.0395
132		39.080	1.23	0.450	---	0.0395
133		---	---	ND	---	0.0395
134	134/143	37.991	1.32	0.0873	---	0.0791
135	135/151	36.845	1.26	0.379	---	0.0791
136		34.330	1.25	0.136	---	0.0395
137		41.729	1.42	0.0700	---	0.0395
138	129/138/163	42.165	1.23	(1.28)	---	0.119
139	139/140	---	---	ND	---	0.0791
140	139/140	---	---	ND	---	0.0791
141		41.092	1.28	0.141	---	0.0395
142		---	---	ND	---	0.0395
143	134/143	37.991	1.32	(0.0873)	---	0.0791
144		---	---	ND	---	0.0395

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW DUP 01
Lab Sample ID 40268156032
Filename Y231007B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
145		---	---	ND	---	0.0395
146		40.254	1.33	0.193	---	0.0395
147	147/149	37.789	1.24	0.910	---	0.0791
148		---	---	ND	---	0.0395
149	147/149	37.789	1.24	(0.910)	---	0.0791
150		---	---	ND	---	0.0395
151	135/151	36.845	1.26	(0.379)	---	0.0791
152		---	---	ND	---	0.0395
153	153/168	40.891	1.25	0.855	---	0.0791
154		---	---	ND	---	0.0395
155		---	---	ND	---	0.0395
156	156/157	46.379	1.24	0.173	---	0.0791
157	156/157	46.379	1.24	(0.173)	---	0.0791
158		42.568	1.24	0.108	---	0.0395
159		---	---	ND	---	0.0395
160		---	---	ND	---	0.0395
161		---	---	ND	---	0.0395
162		---	---	ND	---	0.0395
163	129/138/163	42.165	1.23	(1.28)	---	0.119
164		41.830	1.09	0.0779	---	0.0395
165		---	---	ND	---	0.0395
166	128/166	43.456	1.24	(0.221)	---	0.0791
167		45.222	1.21	0.0637	---	0.0395
168	153/168	40.891	1.25	(0.855)	---	0.0791
169		---	---	ND	---	0.0395
170		49.078	0.96	0.141	---	0.0395
171	171/173	---	---	ND	---	0.0791
172		---	---	ND	---	0.0395
173	171/173	---	---	ND	---	0.0791
174		44.401	1.05	0.109	---	0.0395
175		---	---	ND	---	0.0395
176		---	---	ND	---	0.0395
177		44.853	1.07	0.0948	---	0.0395
178		---	---	ND	---	0.0395
179		39.852	1.04	0.0505	---	0.0395
180	180/193	47.804	1.06	0.221	---	0.0791
181		---	---	ND	---	0.0395
182		---	---	ND	---	0.0395
183	183/185	---	---	ND	---	0.0791
184		---	---	ND	---	0.0395
185	183/185	---	---	ND	---	0.0791
186		---	---	ND	---	0.0395
187		43.540	1.06	0.140	---	0.0395
188		---	---	ND	---	0.0395
189		---	---	ND	---	0.0395
190		---	---	ND	---	0.0395
191		---	---	ND	---	0.0395
192		---	---	ND	---	0.0395

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW DUP 01
Lab Sample ID 40268156032
Filename Y231007B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
193	180/193	47.804	1.06	(0.221)	---	0.0791
194		---	---	ND	---	0.0395
195		---	---	ND	---	0.0395
196		---	---	ND	---	0.0395
197	197/200	---	---	ND	---	0.0791
198	198/199	---	---	ND	---	0.0791
199	198/199	---	---	ND	---	0.0791
200	197/200	---	---	ND	---	0.0791
201		---	---	ND	---	0.0395
202		---	---	ND	---	0.0395
203		---	---	ND	---	0.0395
204		---	---	ND	---	0.0395
205		---	---	ND	---	0.0395
206		---	---	ND	---	0.0395
207		---	---	ND	---	0.0395
208		---	---	ND	---	0.0395
209		---	---	ND	---	0.0395

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REPORT OF LABORATORY ANALYSIS

Report No.....10669309

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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl Sample Analysis Results

Client Sample ID	MR SW DUP 01
Lab Sample ID	40268156032
Filename	Y231007B_08

Congener Group	Concentration ng/L
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	0.271
Total Trichloro Biphenyls	1.08
Total Tetrachloro Biphenyls	5.43
Total Pentachloro Biphenyls	8.14
Total Hexachloro Biphenyls	5.26
Total Heptachloro Biphenyls	0.757
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	20.9

ND = Not Detected

REPORT OF LABORATORY ANALYSIS

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	MR SW EB01		
Lab Sample ID	40268156033		
Filename	Y231007B_09		
Injected By	BAL		
Total Amount Extracted	1030 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/13/2023 15:45
ICAL ID	Y231007B02	Received	09/19/2023 16:15
CCal Filename(s)	Y231007B_01	Extracted	09/27/2023 14:30
Method Blank ID	BLANK-108511	Analyzed	10/08/2023 09:42

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	11.037	3.12	2.0	1.26	63
13C-4-MoCB	3	13.780	3.09	2.0	1.51	76
13C-2,2'-DiCB	4	14.080	1.64	2.0	1.24	62
13C-4,4'-DiCB	15	21.098	1.56	2.0	1.76	88
13C-2,2',6-TrCB	19	17.863	1.09	2.0	1.37	68
13C-3,4,4'-TrCB	37	28.826	1.06	2.0	2.06	103
13C-2,2',6,6'-TeCB	54	21.448	0.80	2.0	1.63	82
13C-3,4,4',5-TeCB	81	35.956	0.79	2.0	2.16	108
13C-3,3',4,4'-TeCB	77	36.527	0.80	2.0	2.17	109
13C-2,2',4,6,6'-PeCB	104	27.518	1.70	2.0	1.67	84
13C-2,3,3',4,4'-PeCB	105	40.137	1.56	2.0	2.21	111
13C-2,3,4,4',5-PeCB	114	39.500	1.60	2.0	2.23	112
13C-2,3',4,4',5-PeCB	118	38.930	1.60	2.0	2.19	110
13C-2,3',4,4',5'-PeCB	123	38.594	1.59	2.0	2.22	111
13C-3,3',4,4',5-PeCB	126	43.289	1.58	2.0	2.13	107
13C-2,2',4,4',6,6'-HxCB	155	33.576	1.32	2.0	1.61	81
13C-HxCB (156/157)	156/157	46.362	1.26	4.0	4.38	110
13C-2,3',4,4',5,5'-HxCB	167	45.189	1.28	2.0	2.23	112
13C-3,3',4,4',5,5'-HxCB	169	49.632	1.27	2.0	2.11	106
13C-2,2',3,4',5,6,6'-HpCB	188	39.483	1.02	2.0	1.53	76
13C-2,3,3',4,4',5,5'-HpCB	189	52.193	1.06	2.0	1.93	96
13C-2,2',3,3',5,5',6,6'-OcCB	202	44.954	0.91	2.0	1.56	78
13C-2,3,3',4,4',5,5',6-OcCB	205	54.800	0.89	2.0	1.79	89
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.546	0.80	2.0	1.64	82
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.718	0.82	2.0	1.66	83
13C-DeCB	209	58.206	0.72	2.0	1.56	78
Cleanup Standards						
13C-2,4,4'-TrCB	28	24.500	1.06	2.0	1.77	89
13C-2,3,3',5,5'-PeCB	111	36.560	1.60	2.0	1.63	82
13C-2,2',3,3',5,5',6-HpCB	178	42.568	1.01	2.0	1.57	79
Recovery Standards						
13C-2,5-DiCB	9	16.510	1.53	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	26.478	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.777	1.63	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	42.132	1.29	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	54.305	0.89	2.0	NA	NA

Conc = Concentration
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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW EB01
Lab Sample ID	40268156033
Filename	Y231007B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
1		---	---	ND	---	0.0388
2		---	---	ND	---	0.0388
3		---	---	ND	---	0.0388
4		---	---	ND	---	0.0388
5		---	---	ND	---	0.0388
6		---	---	ND	---	0.0388
7		---	---	ND	---	0.0388
8		---	---	ND	---	0.0388
9		---	---	ND	---	0.0388
10		---	---	ND	---	0.0388
11		---	---	ND	---	0.380
12	12/13	---	---	ND	---	0.0776
13	12/13	---	---	ND	---	0.0776
14		---	---	ND	---	0.0388
15		---	---	ND	---	0.0512
16		---	---	ND	---	0.0388
17		---	---	ND	---	0.0388
18	18/30	---	---	ND	---	0.0776
19		---	---	ND	---	0.0388
20	20/28	---	---	ND	---	0.200
21	21/33	---	---	ND	---	0.209
22		---	---	ND	---	0.147
23		---	---	ND	---	0.0388
24		---	---	ND	---	0.0388
25		---	---	ND	---	0.0388
26	26/29	---	---	ND	---	0.0776
27		---	---	ND	---	0.0388
28	20/28	---	---	ND	---	0.200
29	26/29	---	---	ND	---	0.0776
30	18/30	---	---	ND	---	0.0776
31		---	---	ND	---	0.202
32		---	---	ND	---	0.0388
33	21/33	---	---	ND	---	0.209
34		---	---	ND	---	0.0388
35		---	---	ND	---	0.0388
36		---	---	ND	---	0.0388
37		---	---	ND	---	0.0822
38		---	---	ND	---	0.0388
39		---	---	ND	---	0.0388
40	40/41/71	---	---	ND	---	0.116
41	40/41/71	---	---	ND	---	0.116
42		---	---	ND	---	0.0388
43	43/73	---	---	ND	---	0.0776
44	44/47/65	---	---	ND	---	0.116
45	45/51	---	---	ND	---	0.0776
46		---	---	ND	---	0.0388
47	44/47/65	---	---	ND	---	0.116
48		---	---	ND	---	0.0388

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Fax: 612- 607-6444

Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW EB01
Lab Sample ID	40268156033
Filename	Y231007B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
49	49/69	---	---	ND	---	0.0776
50	50/53	---	---	ND	---	0.0776
51	45/51	---	---	ND	---	0.0776
52		---	---	ND	---	0.200
53	50/53	---	---	ND	---	0.0776
54		---	---	ND	---	0.0388
55		---	---	ND	---	0.0388
56		---	---	ND	---	0.0388
57		---	---	ND	---	0.0388
58		---	---	ND	---	0.0388
59	59/62/75	---	---	ND	---	0.116
60		---	---	ND	---	0.0388
61	61/70/74/76	---	---	ND	---	0.155
62	59/62/75	---	---	ND	---	0.116
63		---	---	ND	---	0.0388
64		---	---	ND	---	0.0388
65	44/47/65	---	---	ND	---	0.116
66		---	---	ND	---	0.0915
67		---	---	ND	---	0.0388
68		---	---	ND	---	0.0388
69	49/69	---	---	ND	---	0.0776
70	61/70/74/76	---	---	ND	---	0.155
71	40/41/71	---	---	ND	---	0.116
72		---	---	ND	---	0.0388
73	43/73	---	---	ND	---	0.0776
74	61/70/74/76	---	---	ND	---	0.155
75	59/62/75	---	---	ND	---	0.116
76	61/70/74/76	---	---	ND	---	0.155
77		---	---	ND	---	0.0388
78		---	---	ND	---	0.0388
79		---	---	ND	---	0.0388
80		---	---	ND	---	0.0388
81		---	---	ND	---	0.0388
82		---	---	ND	---	0.0388
83		---	---	ND	---	0.0388
84		---	---	ND	---	0.0388
85	85/116/117	---	---	ND	---	0.116
86	86/87/97/108/119/125	---	---	ND	---	0.233
87	86/87/97/108/119/125	---	---	ND	---	0.233
88	88/91	---	---	ND	---	0.0776
89		---	---	ND	---	0.0388
90	90/101/113	---	---	ND	---	0.116
91	88/91	---	---	ND	---	0.0776
92		---	---	ND	---	0.0388
93	93/98/100/102	---	---	ND	---	0.155
94		---	---	ND	---	0.0388
95		---	---	ND	---	0.109
96		---	---	ND	---	0.0388

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW EB01
Lab Sample ID 40268156033
Filename Y231007B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
97	86/87/97/108/119/125	---	---	ND	---	0.233
98	93/98/100/102	---	---	ND	---	0.155
99		---	---	ND	---	0.0388
100	93/98/100/102	---	---	ND	---	0.155
101	90/101/113	---	---	ND	---	0.116
102	93/98/100/102	---	---	ND	---	0.155
103		---	---	ND	---	0.0388
104		---	---	ND	---	0.0388
105		---	---	ND	---	0.0388
106		---	---	ND	---	0.0388
107	107/124	---	---	ND	---	0.0776
108	86/87/97/108/119/125	---	---	ND	---	0.233
109		---	---	ND	---	0.0388
110	110/115	---	---	ND	---	0.0776
111		---	---	ND	---	0.0388
112		---	---	ND	---	0.0388
113	90/101/113	---	---	ND	---	0.116
114		---	---	ND	---	0.0388
115	110/115	---	---	ND	---	0.0776
116	85/116/117	---	---	ND	---	0.116
117	85/116/117	---	---	ND	---	0.116
118		---	---	ND	---	0.0605
119	86/87/97/108/119/125	---	---	ND	---	0.233
120		---	---	ND	---	0.0388
121		---	---	ND	---	0.0388
122		---	---	ND	---	0.0388
123		---	---	ND	---	0.0388
124	107/124	---	---	ND	---	0.0776
125	86/87/97/108/119/125	---	---	ND	---	0.233
126		---	---	ND	---	0.0388
127		---	---	ND	---	0.0388
128	128/166	---	---	ND	---	0.0776
129	129/138/163	---	---	ND	---	0.116
130		---	---	ND	---	0.0388
131		---	---	ND	---	0.0388
132		---	---	ND	---	0.0388
133		---	---	ND	---	0.0388
134	134/143	---	---	ND	---	0.0776
135	135/151	---	---	ND	---	0.0776
136		---	---	ND	---	0.0388
137		---	---	ND	---	0.0388
138	129/138/163	---	---	ND	---	0.116
139	139/140	---	---	ND	---	0.0776
140	139/140	---	---	ND	---	0.0776
141		---	---	ND	---	0.0388
142		---	---	ND	---	0.0388
143	134/143	---	---	ND	---	0.0776
144		---	---	ND	---	0.0388

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW EB01
Lab Sample ID 40268156033
Filename Y231007B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
145		---	---	ND	---	0.0388
146		---	---	ND	---	0.0388
147	147/149	---	---	ND	---	0.0776
148		---	---	ND	---	0.0388
149	147/149	---	---	ND	---	0.0776
150		---	---	ND	---	0.0388
151	135/151	---	---	ND	---	0.0776
152		---	---	ND	---	0.0388
153	153/168	---	---	ND	---	0.0776
154		---	---	ND	---	0.0388
155		---	---	ND	---	0.0388
156	156/157	---	---	ND	---	0.0776
157	156/157	---	---	ND	---	0.0776
158		---	---	ND	---	0.0388
159		---	---	ND	---	0.0388
160		---	---	ND	---	0.0388
161		---	---	ND	---	0.0388
162		---	---	ND	---	0.0388
163	129/138/163	---	---	ND	---	0.116
164		---	---	ND	---	0.0388
165		---	---	ND	---	0.0388
166	128/166	---	---	ND	---	0.0776
167		---	---	ND	---	0.0388
168	153/168	---	---	ND	---	0.0776
169		---	---	ND	---	0.0388
170		---	---	ND	---	0.0388
171	171/173	---	---	ND	---	0.0776
172		---	---	ND	---	0.0388
173	171/173	---	---	ND	---	0.0776
174		---	---	ND	---	0.0388
175		---	---	ND	---	0.0388
176		---	---	ND	---	0.0388
177		---	---	ND	---	0.0388
178		---	---	ND	---	0.0388
179		---	---	ND	---	0.0388
180	180/193	---	---	ND	---	0.0776
181		---	---	ND	---	0.0388
182		---	---	ND	---	0.0388
183	183/185	---	---	ND	---	0.0776
184		---	---	ND	---	0.0388
185	183/185	---	---	ND	---	0.0776
186		---	---	ND	---	0.0388
187		---	---	ND	---	0.0388
188		---	---	ND	---	0.0388
189		---	---	ND	---	0.0388
190		---	---	ND	---	0.0388
191		---	---	ND	---	0.0388
192		---	---	ND	---	0.0388

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW EB01
Lab Sample ID 40268156033
Filename Y231007B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
193	180/193	---	---	ND	---	0.0776
194		---	---	ND	---	0.0388
195		---	---	ND	---	0.0388
196		---	---	ND	---	0.0388
197	197/200	---	---	ND	---	0.0776
198	198/199	---	---	ND	---	0.0776
199	198/199	---	---	ND	---	0.0776
200	197/200	---	---	ND	---	0.0776
201		---	---	ND	---	0.0388
202		---	---	ND	---	0.0388
203		---	---	ND	---	0.0388
204		---	---	ND	---	0.0388
205		---	---	ND	---	0.0388
206		---	---	ND	---	0.0388
207		---	---	ND	---	0.0388
208		---	---	ND	---	0.0388
209		---	---	ND	---	0.0388

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client Sample ID	MR SW EB01
Lab Sample ID	40268156033
Filename	Y231007B_09

Congener Group	Concentration ng/L
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	ND
Total Trichloro Biphenyls	ND
Total Tetrachloro Biphenyls	ND
Total Pentachloro Biphenyls	ND
Total Hexachloro Biphenyls	ND
Total Heptachloro Biphenyls	ND
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	ND

ND = Not Detected

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	MR SW FB 01		
Lab Sample ID	40268156034		
Filename	Y231007B_10		
Injected By	BAL		
Total Amount Extracted	1050 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/13/2023 19:30
ICAL ID	Y231007B02	Received	09/19/2023 16:15
CCal Filename(s)	Y231007B_01	Extracted	09/27/2023 14:30
Method Blank ID	BLANK-108511	Analyzed	10/08/2023 10:44

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.857	3.02	2.0	0.961	48
13C-4-MoCB	3	13.660	3.05	2.0	1.26	63
13C-2,2'-DiCB	4	13.972	1.62	2.0	1.00	50
13C-4,4'-DiCB	15	21.074	1.57	2.0	1.76	88
13C-2,2',6-TrCB	19	17.803	1.09	2.0	1.19	60
13C-3,4,4'-TrCB	37	28.842	1.06	2.0	2.11	106
13C-2,2',6,6'-TeCB	54	21.414	0.78	2.0	1.50	75
13C-3,4,4',5-TeCB	81	35.973	0.79	2.0	2.38	119
13C-3,3',4,4'-TeCB	77	36.543	0.80	2.0	2.39	119
13C-2,2',4,6,6'-PeCB	104	27.517	1.63	2.0	1.64	82
13C-2,3,3',4,4'-PeCB	105	40.153	1.60	2.0	2.37	118
13C-2,3,4,4',5-PeCB	114	39.499	1.60	2.0	2.42	121
13C-2,3',4,4',5-PeCB	118	38.946	1.57	2.0	2.38	119
13C-2,3',4,4',5'-PeCB	123	38.611	1.57	2.0	2.43	121
13C-3,3',4,4',5-PeCB	126	43.305	1.59	2.0	2.35	117
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13C-2,2',5,5'-TeCB	52	26.478	0.78	2.0	NA	NA
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13C-2,2',3,4,4',5'-HxCB	138	42.132	1.27	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	54.304	0.91	2.0	NA	NA

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW FB 01
Lab Sample ID	40268156034
Filename	Y231007B_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
1		---	---	ND	---	0.0382
2		---	---	ND	---	0.0382
3		---	---	ND	---	0.0382
4		---	---	ND	---	0.0382
5		---	---	ND	---	0.0382
6		---	---	ND	---	0.0382
7		---	---	ND	---	0.0382
8		---	---	ND	---	0.0382
9		---	---	ND	---	0.0382
10		---	---	ND	---	0.0382
11		---	---	ND	---	0.374
12	12/13	---	---	ND	---	0.0763
13	12/13	---	---	ND	---	0.0763
14		---	---	ND	---	0.0382
15		---	---	ND	---	0.0504
16		---	---	ND	---	0.0382
17		---	---	ND	---	0.0382
18	18/30	---	---	ND	---	0.0763
19		---	---	ND	---	0.0382
20	20/28	---	---	ND	---	0.197
21	21/33	---	---	ND	---	0.206
22		---	---	ND	---	0.145
23		---	---	ND	---	0.0382
24		---	---	ND	---	0.0382
25		---	---	ND	---	0.0382
26	26/29	---	---	ND	---	0.0763
27		---	---	ND	---	0.0382
28	20/28	---	---	ND	---	0.197
29	26/29	---	---	ND	---	0.0763
30	18/30	---	---	ND	---	0.0763
31		---	---	ND	---	0.198
32		---	---	ND	---	0.0382
33	21/33	---	---	ND	---	0.206
34		---	---	ND	---	0.0382
35		---	---	ND	---	0.0382
36		---	---	ND	---	0.0382
37		---	---	ND	---	0.0809
38		---	---	ND	---	0.0382
39		---	---	ND	---	0.0382
40	40/41/71	---	---	ND	---	0.114
41	40/41/71	---	---	ND	---	0.114
42		---	---	ND	---	0.0382
43	43/73	---	---	ND	---	0.0763
44	44/47/65	---	---	ND	---	0.114
45	45/51	---	---	ND	---	0.0763
46		---	---	ND	---	0.0382
47	44/47/65	---	---	ND	---	0.114
48		---	---	ND	---	0.0382

Conc = Concentration
EML =Method Specified Reporting Limit (1668C)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise
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Nn = Value obtained from additional analyses

ND = Not Detected
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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC.
1700 Elm Street - Suite 200
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Tel: 612-607-1700
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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW FB 01
Lab Sample ID 40268156034
Filename Y231007B_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
49	49/69	---	---	ND	---	0.0763
50	50/53	---	---	ND	---	0.0763
51	45/51	---	---	ND	---	0.0763
52		---	---	ND	---	0.197
53	50/53	---	---	ND	---	0.0763
54		---	---	ND	---	0.0382
55		---	---	ND	---	0.0382
56		---	---	ND	---	0.0382
57		---	---	ND	---	0.0382
58		---	---	ND	---	0.0382
59	59/62/75	---	---	ND	---	0.114
60		---	---	ND	---	0.0382
61	61/70/74/76	---	---	ND	---	0.153
62	59/62/75	---	---	ND	---	0.114
63		---	---	ND	---	0.0382
64		---	---	ND	---	0.0382
65	44/47/65	---	---	ND	---	0.114
66		---	---	ND	---	0.0900
67		---	---	ND	---	0.0382
68		---	---	ND	---	0.0382
69	49/69	---	---	ND	---	0.0763
70	61/70/74/76	---	---	ND	---	0.153
71	40/41/71	---	---	ND	---	0.114
72		---	---	ND	---	0.0382
73	43/73	---	---	ND	---	0.0763
74	61/70/74/76	---	---	ND	---	0.153
75	59/62/75	---	---	ND	---	0.114
76	61/70/74/76	---	---	ND	---	0.153
77		---	---	ND	---	0.0382
78		---	---	ND	---	0.0382
79		---	---	ND	---	0.0382
80		---	---	ND	---	0.0382
81		---	---	ND	---	0.0382
82		---	---	ND	---	0.0382
83		---	---	ND	---	0.0382
84		---	---	ND	---	0.0382
85	85/116/117	---	---	ND	---	0.114
86	86/87/97/108/119/125	---	---	ND	---	0.229
87	86/87/97/108/119/125	---	---	ND	---	0.229
88	88/91	---	---	ND	---	0.0763
89		---	---	ND	---	0.0382
90	90/101/113	---	---	ND	---	0.114
91	88/91	---	---	ND	---	0.0763
92		---	---	ND	---	0.0382
93	93/98/100/102	---	---	ND	---	0.153
94		---	---	ND	---	0.0382
95		---	---	ND	---	0.107
96		---	---	ND	---	0.0382

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Method 1668C Polychlorobiphenyl Sample Analysis Results

Client Sample ID MR SW FB 01
Lab Sample ID 40268156034
Filename Y231007B_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
97	86/87/97/108/119/125	---	---	ND	---	0.229
98	93/98/100/102	---	---	ND	---	0.153
99		---	---	ND	---	0.0382
100	93/98/100/102	---	---	ND	---	0.153
101	90/101/113	---	---	ND	---	0.114
102	93/98/100/102	---	---	ND	---	0.153
103		---	---	ND	---	0.0382
104		---	---	ND	---	0.0382
105		---	---	ND	---	0.0382
106		---	---	ND	---	0.0382
107	107/124	---	---	ND	---	0.0763
108	86/87/97/108/119/125	---	---	ND	---	0.229
109		---	---	ND	---	0.0382
110	110/115	---	---	ND	---	0.0763
111		---	---	ND	---	0.0382
112		---	---	ND	---	0.0382
113	90/101/113	---	---	ND	---	0.114
114		---	---	ND	---	0.0382
115	110/115	---	---	ND	---	0.0763
116	85/116/117	---	---	ND	---	0.114
117	85/116/117	---	---	ND	---	0.114
118		---	---	ND	---	0.0595
119	86/87/97/108/119/125	---	---	ND	---	0.229
120		---	---	ND	---	0.0382
121		---	---	ND	---	0.0382
122		---	---	ND	---	0.0382
123		---	---	ND	---	0.0382
124	107/124	---	---	ND	---	0.0763
125	86/87/97/108/119/125	---	---	ND	---	0.229
126		---	---	ND	---	0.0382
127		---	---	ND	---	0.0382
128	128/166	---	---	ND	---	0.0763
129	129/138/163	---	---	ND	---	0.114
130		---	---	ND	---	0.0382
131		---	---	ND	---	0.0382
132		---	---	ND	---	0.0382
133		---	---	ND	---	0.0382
134	134/143	---	---	ND	---	0.0763
135	135/151	---	---	ND	---	0.0763
136		---	---	ND	---	0.0382
137		---	---	ND	---	0.0382
138	129/138/163	---	---	ND	---	0.114
139	139/140	---	---	ND	---	0.0763
140	139/140	---	---	ND	---	0.0763
141		---	---	ND	---	0.0382
142		---	---	ND	---	0.0382
143	134/143	---	---	ND	---	0.0763
144		---	---	ND	---	0.0382

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID MR SW FB 01
Lab Sample ID 40268156034
Filename Y231007B_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
145		---	---	ND	---	0.0382
146		---	---	ND	---	0.0382
147	147/149	---	---	ND	---	0.0763
148		---	---	ND	---	0.0382
149	147/149	---	---	ND	---	0.0763
150		---	---	ND	---	0.0382
151	135/151	---	---	ND	---	0.0763
152		---	---	ND	---	0.0382
153	153/168	---	---	ND	---	0.0763
154		---	---	ND	---	0.0382
155		---	---	ND	---	0.0382
156	156/157	---	---	ND	---	0.0763
157	156/157	---	---	ND	---	0.0763
158		---	---	ND	---	0.0382
159		---	---	ND	---	0.0382
160		---	---	ND	---	0.0382
161		---	---	ND	---	0.0382
162		---	---	ND	---	0.0382
163	129/138/163	---	---	ND	---	0.114
164		---	---	ND	---	0.0382
165		---	---	ND	---	0.0382
166	128/166	---	---	ND	---	0.0763
167		---	---	ND	---	0.0382
168	153/168	---	---	ND	---	0.0763
169		---	---	ND	---	0.0382
170		---	---	ND	---	0.0382
171	171/173	---	---	ND	---	0.0763
172		---	---	ND	---	0.0382
173	171/173	---	---	ND	---	0.0763
174		---	---	ND	---	0.0382
175		---	---	ND	---	0.0382
176		---	---	ND	---	0.0382
177		---	---	ND	---	0.0382
178		---	---	ND	---	0.0382
179		---	---	ND	---	0.0382
180	180/193	---	---	ND	---	0.0763
181		---	---	ND	---	0.0382
182		---	---	ND	---	0.0382
183	183/185	---	---	ND	---	0.0763
184		---	---	ND	---	0.0382
185	183/185	---	---	ND	---	0.0763
186		---	---	ND	---	0.0382
187		---	---	ND	---	0.0382
188		---	---	ND	---	0.0382
189		---	---	ND	---	0.0382
190		---	---	ND	---	0.0382
191		---	---	ND	---	0.0382
192		---	---	ND	---	0.0382

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Method 1668C Polychlorobiphenyl
Sample Analysis Results

Client Sample ID	MR SW FB 01
Lab Sample ID	40268156034
Filename	Y231007B_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/L	EMPC ng/L	EML ng/L
193	180/193	---	---	ND	---	0.0763
194		---	---	ND	---	0.0382
195		---	---	ND	---	0.0382
196		---	---	ND	---	0.0382
197	197/200	---	---	ND	---	0.0763
198	198/199	---	---	ND	---	0.0763
199	198/199	---	---	ND	---	0.0763
200	197/200	---	---	ND	---	0.0763
201		---	---	ND	---	0.0382
202		---	---	ND	---	0.0382
203		---	---	ND	---	0.0382
204		---	---	ND	---	0.0382
205		---	---	ND	---	0.0382
206		---	---	ND	---	0.0382
207		---	---	ND	---	0.0382
208		---	---	ND	---	0.0382
209		---	---	ND	---	0.0382

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Congener Group	Concentration ng/L
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	ND
Total Trichloro Biphenyls	ND
Total Tetrachloro Biphenyls	ND
Total Pentachloro Biphenyls	ND
Total Hexachloro Biphenyls	ND
Total Heptachloro Biphenyls	ND
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	ND

ND = Not Detected

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