

2025 Upland PCB Assessment Report

**Seaport Midstream Partners, LLC
Portland Terminal
9930 NW St. Helens Road
Portland, Oregon
ECSI #1528**

Project number: 60733311

October 3, 2025

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Revision History

Revision	Revision date	Details	Name	Position
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Acronyms

bgs	below ground surface
B1a	designated area of Portland Superfund Site located on the Lower Willamette River
bp	BP Products of North America, Inc. and its affiliates
CPD	City of Portland Datum
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CUL	Cleanup Level
DUSR	Data Usability Summary Report
DEQ	Oregon Department of Environmental Quality
EML	quantification limit
EPA	Environmental Protection Agency
ft	feet
HASP	health and safety plan
JSA	job safety analysis
LLC	limited liability company
LNAPL	light non-aqueous phase liquid
mg/kg	milligrams per kilogram
MW	monitoring well
NAVD88	North American Vertical Datum of 1988
PCB	polychlorinated biphenyl
PHSS	Portland Harbor superfund site
RAL	remedial action level
SMP	Seaport Midstream Partners, LLC
µg/L	micrograms per liter
µg/kg	micrograms per kilogram

1. Introduction

AECOM has prepared this report regarding the Seaport Midstream Partners, LLC (SMP) Bulk Fueling Terminal (Portland Terminal), located in Portland, Oregon, on behalf of SMP and BP Products North America Inc. (bp). This report presents the results of the fieldwork completed in February 2025 to evaluate the potential presence of PCBs immediately upland of Lower Tieback 09. This assessment focused on the area directly upland of the sheetpile wall from the location where PCBs were detected in sediment samples collected by the Portland Harbor Superfund Site B1A Group in 2023 (Jacobs, 2024). This second phase of the assessment included groundwater collection from existing monitor wells and upland soil samples from five borings. The assessment was completed according to the procedures outlined in the *2024 PCB Assessment Work Plan, Revision 1* ("Work Plan"; AECOM, 2024c).

1.1 Project Background

The Portland Terminal is a bulk petroleum product storage and transfer facility located at 9930 NW Saint Helens Road (Oregon Highway 30) in Portland, Oregon (Figure 1). The Portland Terminal is bordered to the east by the Willamette River, to the west by NW Saint Helens Road, to the north by the former Linnton Plywood Association property (now Linnton Water Credits), and to the south by the NuStar Energy LP Bulk Terminal (Figure 2). The Portland Terminal is located at River Mile 4.9 of the lower Willamette River and is adjacent to the Portland Harbor Superfund Site.

The Portland Terminal consists of a 14-acre facility with 27 above-ground storage tanks, a truck loading rack, several buildings, a remanufacturing warehouse, a dock structure, a boat house, a groundwater extraction and treatment system, and a sheet pile wall (seawall) along the riverfront. The facility operation includes bulk petroleum storage, additive storage, fuel blending, and the transfer of bulk petroleum via pipeline, barge, and rail throughout the region (AECOM, 2021).

The seawall was constructed in 2009. It consists of a 40-foot AZ-18 sheet pile with two levels of tieback anchors at 20 and 10 feet above the City of Portland Datum (CPD) (23.2 and 13.2 feet above Columbia River Datum). Tieback anchors on the bottom row are spaced at about 12.4 feet on center. Foam was used to seal perforations where the tiebacks were installed in the sheet pile. A sealant (Roxan™ or equivalent) was placed within the sheet pile interlocks.

Suspected petroleum hydrocarbons were observed in the engineered fill material outboard of the seawall, causing a sheen on the water surface on December 13, 2021. In response to the sheen observed, AECOM conducted tieback inspection and maintenance activities on the seawall in 2022 and 2023, as documented in the *Seawall Maintenance Construction Completion Report* (AECOM, 2022), and the *Seawall Maintenance Tieback Inspection Summary Report* (AECOM, 2024a). Four tiebacks in 2022 and twelve in 2023 were exposed and inspected for signs of seeps or leaks.

To streamline sampling efforts on the river side of the seawall, SMP voluntarily granted site access to the Portland Harbor Superfund Site B1A group to complete independent sampling at each of the 2023 tieback inspection locations. B1A group members include two previous Terminal owners and operators (Atlantic Richfield Company and bp Products North America Inc.) and three other companies that are current or former owners of facilities located near the Terminal. During the 2023 inspection event, PCBs at a concentration of ~5 milligrams per kilogram (mg/kg) were detected in the B1A group sample of visually-impacted-fill collected at a depth of 5.5 feet below ground surface, immediately beneath Lower Tieback 09 (Jacobs, 2024) (sample location TP01-TB09 in Figure 3). A lower concentration of PCBs was detected in a 5-foot-deep sediment sample collected 10 feet riverward of Tieback 09 (sample location TP01 in Figure 3). All visually impacted fill was excavated and disposed of offsite (AECOM, 2024a).

1.2 Project Objectives and Overview

In an email from Jeff Schatz dated May 29, 2024, the Oregon Department of Environmental Quality (DEQ) requested sampling behind the seawall to determine whether there are any potential upland

source of PCBs at the Terminal that may be impacting the Portland Harbor Superfund Site. No records have been found of any PCB-containing transformers or other likely sources of PCB contamination at the facility (AECOM, 2024c). At the onset of the PCB Screening and PCB Assessment Phases of work, the only indication that there may be PCBs in upland media was the measurement of PCBs in sediment sampled adjacent to Lower Tieback 09 (river side of the sheetpile wall) as described in Section 1.1.

DEQ's request was addressed in two Phases. In the PCB Screening Phase, existing well points upgradient of Lower Tieback 09 were sampled to evaluate the possibility that PCBs were present either in particulates which had accumulated in the well (seven locations) or groundwater (two locations). PCBs, analyzed as Aroclors by EPA Method 8082, were not detected in any samples. Details regarding the field activities, observations, and analytical results are included in the 2024 PCB Screening Report (AECOM, 2024b).

This report presents the results of the PCB Assessment Phase which sampled soil and groundwater immediately upland of Lower Tieback 09 and around the adjacent former oil-water separator. Five soil borings were advanced, and soil samples collected and analyzed for PCBs as congeners by EPA Method 1668A to achieve lower detection limits and allow comparison to the Portland Harbor Superfund Site (PHSS) total PCB sediment clean up level (CUL) and remedial action level (RAL) of 9 and 75 micrograms per kilogram ($\mu\text{g}/\text{kg}$), respectively (EPA, 2017; 2020). In addition, groundwater from the two monitor wells sampled in the PCB Screening Phase was resampled and analyzed using Method 1668A for comparison to the Portland Harbor CUL for PCBs in groundwater of 0.014 micrograms per liter ($\mu\text{g}/\text{L}$) (EPA, 2020).

2. PCB Assessment Fieldwork

This section presents the results of the PCB Assessment field activities completed in February 2025. Appendices A through D present the supporting field documentation, boring logs, photographs, laboratory report, and data validation report.

2.1 Pre-Sampling Preparation

2.1.1 Health and Safety Activities

A site-specific Health and Safety Plan (HASP) and Job Safety Analyses (JSAs) meeting bp safety criteria was created through the hazard identification process. The HASP and JSAs were reviewed and accepted by bp, SMP, and AECOM personnel.

2.1.2 Agency Notification

AECOM notified DEQ in advance of sampling to meet the requirements under Voluntary Agreement No. WMCVC-NWR-00-16 dated June 20, 2000

2.1.3 Utility Locating and Clearance for Drilling Activities

Prior to commencing fieldwork, the Oregon Utility Notification Center was contacted to locate utilities entering the property. In addition, a private underground utility locating service located utilities and tiebacks in the vicinity of soil boring activities. Utilities, tiebacks, and the location of the former oil water separator were marked on the ground surface using paint.

2.2 Field Activities

2.2.1 Groundwater Sampling

Two existing monitor wells (MW-17 and P-24) were sampled on February 6 and 7, 2025 (Figure 3). In each case, the depth to groundwater was measured prior to using a low flow pump to purge each well until groundwater parameters stabilized. The groundwater sample was then pumped into laboratory-supplied containers without filtration. Prior to purging, groundwater was recorded at 20.51 feet below top of casing (ft btoc) at monitor well MW-17 and 15.73 ft btoc at monitor well P-24. See Appendix A for more information.

2.2.2 Soil Sampling

Five soil borings were advanced between February 5 and February 12, 2025 (Figure 3), by Yellow Jacket Drilling Services LLC using a sonic drilling rig in accordance with the procedures outlined in the Work Plan (AECOM, 2024c). Each boring was advanced to a depth of approximately 37-40 feet below ground surface (ft bgs) to ensure that the entire fill unit was penetrated and native alluvial sediment was encountered and sampled.

The shallowest 6.5 feet of borings SB-01, SB-04, and SB-05 were advanced using an air knife as described in the Work Plan to ensure that no utilities were encountered. The soil in each boring was then sampled in 10-foot sections, 0-10 ft bgs (of which only the interval from approximately 6.5-10 ft bgs was collected since the shallower portion of the boring was advanced with the air knife), 10-20 ft bgs, 20-30 ft bgs, and 30-40 ft bgs.

Soil borings SB-02 and SB-03 were advanced in the space between the former concrete retaining wall and the newer sheetpile wall that was placed approximately 4 feet riverward of the old seawall in 2007 (Figure 3), which resulted in a minor deviation from the work plan. After discussion with the SMP Terminal manager, it was agreed that air knifing would not be necessary because the space between the two seawalls was filled with controlled density fill (CDF) so there is no potential for utilities. In addition, these two locations were accessed by means of a cantilevered platform placed above the seawalls (see

Appendix B, photograph 13). This resulted in the drill rig being three feet above the ground surface. Therefore, the 10-foot drilling sections sampled 0-7 ft bgs, 7-17 ft bgs, 17-27 ft bgs, 27-37 ft bgs, and 37-47 (if needed). In both borings SB-02 and SB-03, the concrete footing that previously marked the top of the sloped shoreline concrete revetment (Figures 4 and 5) was encountered below the CDF at approximately 8 ft bgs.

Native fine-grained sediment was encountered at the bottom of all five borings, at depths ranging from 29-33 ft bgs. Above the fine-grained sediment, a variety of fill types were encountered including gravel, loose sand, sandy silt, and woody debris. Recovery was poor in several intervals, interpreted as the result of 1) the loose sands and void space within the fill and 2) woody debris in the drill bit preventing additional soil to enter the barrel as the drill stem was advanced. Field notes and boring logs are presented in Appendix A. Soil samples were collected from each boring in approximately two-foot intervals from approximately 6 ft bgs to a minimum of 2 feet below the bottom of the fill. These intervals were modified in a few cases to sample discrete lithologic intervals as shown on the boring logs.

2.2.3 Surveying

The latitude, longitude, and ground surface elevation for each boring location were surveyed on February 24 by AKS Engineering & Forestry, LLC. It was also discovered that the location of catch basin CB-12 and the associated manhole MH-01 were shown incorrectly on historical maps, so CB-12 was also surveyed and its location updated on Figure 3. Surveyed boring locations and soil sample intervals/elevations are provided on Tables 1 and 2, respectively. Elevations are provided using the CPD, which can be converted to NAVD88 by adding a value of 2.10.

3. Analytical Results

All samples were analyzed for PCBs as congeners by EPA Method 1668A. The soil samples were also analyzed for percent moisture so that the PCB results could be reported on a dry-weight basis. The laboratory analytical reports are included as Appendix C. Laboratory analytical data acquired during this investigation were reviewed and validated by a qualified chemist from Haley & Aldrich, Inc. to ensure that the data are usable for their intended purpose. A few of the individual congener results were qualified as estimated during the review process, but all data were complete and usable. The data usability summary report is included as Appendix D. Total PCB concentrations were calculated by including undetected results at one-half the quantitation limit (EML) in accordance with the PHSS Data Management Plan (EPA 2021).

3.1 Groundwater PCB Results

Table 3 presents the analytical results for the groundwater samples. No groundwater samples exceeded the PHSS CUL for total PCBs in groundwater.

3.2 Soil PCB Results

Table 4 presents the analytical results for the soil samples. In four of the borings, SB-01, SB-02, SB-04, and SB-05, all soil samples had total PCB concentrations below the PHSS CUL for PCBs in sediment.

Exceedances of the CUL were only found in SB-03 (the boring immediately adjacent to Tieback 09, see Figure 3) and only in the fill. Total PCB concentrations shallower than 9 ft bgs (in the CDF and concrete) and below 33 ft bgs (in the native sediments) were below the CUL. PCB concentrations in SB-03 between 9 and 33 ft bgs ranged from 4.95 to 678 $\mu\text{g}/\text{kg}$ (average of primary and duplicate sample at 25-27 ft bgs), see Table 4.

3.3 PCB Assessment Conclusions

PCBs were detected above the PHSS CUL in a limited volume of fill material immediately upland of Lower Tieback 09. The impacted fill is bounded vertically and horizontally by soil samples with total PCB concentrations below the CUL. Lateral delineation is provided by SB-02, ~15 ft from SB-03, and SB-01, SB-04, and SB-05, ~25 feet from SB-03 (Figure 3). Cross Sections 4 and 5 show the total PCB soil concentrations relative to the ground surface elevation and lithologic units. Total PCB concentrations exceeding the PHSS RAL were found in only one of the borings, and were limited to depths of 9 to 33 feet bgs, within the lower part of the fill unit, in SB-03, suggesting that this is an isolated occurrence.

Fill material from an unknown location was placed along the SMP shoreline when the original seawall was constructed. The original source of the upland PCBs is unknown. There is no indication that the impacted fill is the result of any operations of the SMP Terminal. PCBs were not detected in groundwater from the wells sampled. Furthermore, the impacted soil in SB-03 is covered by nine feet of clean material confined behind a sheetpile wall, and there is no potential for direct contact with impacted soil unless the seawall were to be removed or severely damaged. The investigation did not identify a current pathway for transport of the soil-bound PCBs observed in SB-03 to the PHSS.

4. Limitations

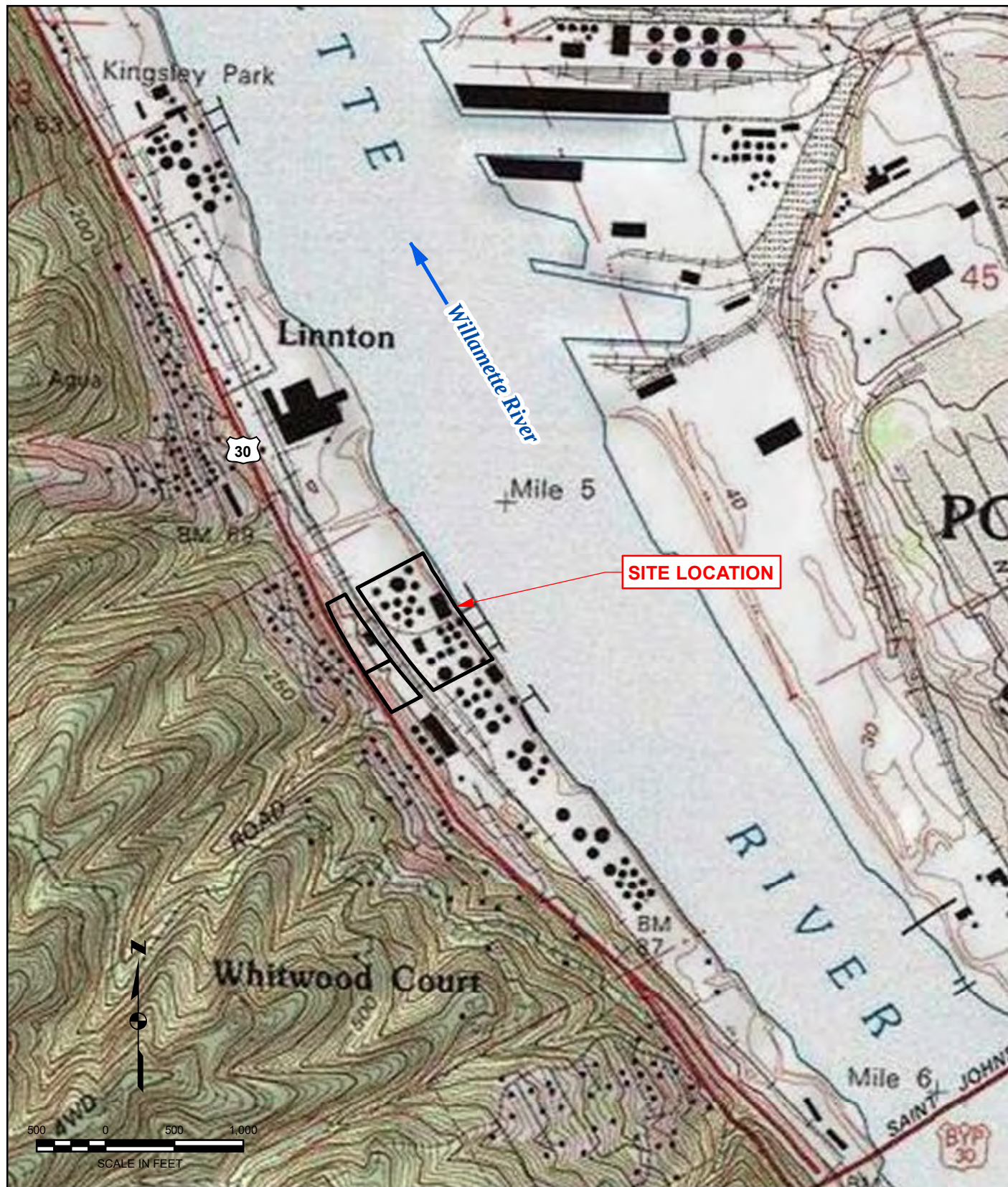
This PCB Assessment Report has been prepared for specific application to this project and has been developed in a manner consistent with the level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in the area and following the terms and conditions outlined in the contracted agreement between AECOM and bp, working in cooperation with SMP. No warranty or other conditions, express or implied, should be understood.

This report is for the use of SMP, bp, their representatives and affiliates, and applicable regulatory agencies. No other parties shall have the right to rely on AECOM's opinions rendered in connection with the services or this report without our written consent.

5. References

- AECOM, 2021. *Source Control Evaluation Report, Revision 1*, Prepared for Seaport Midstream Partners, LLC. November 5.
- AECOM, 2022. *Seawall Maintenance Construction Completion Report*, Prepared for Seaport Midstream Partners, LLC for the Portland Terminal, Portland, Oregon. March 8.
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- AECOM, 2024c. *2024 Upland PCB Assessment Work Plan, Revision 1*, bp Remediation Management and its affiliates for the Portland Terminal, Portland, Oregon. December 23.
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- EPA, 2020. Errata #2 for Portland Harbor Superfund Site Record of Decision ROD Table 17. EPA Region 10, Seattle, WA. January 14.
- EPA, 2021. *Program Data Management Plan, Portland Harbor Remedial Design Investigation – Portland Harbor Superfund Site*. Region 10. December.
- Jacobs, 2024. *B1a Area Predesign Investigation Phase 3 Evaluation Report*. Prepared for the B1a Group. June 5.

Figures



Source: USGS 2020. Copyright: © 2013 National Geographic Society, i-cubed

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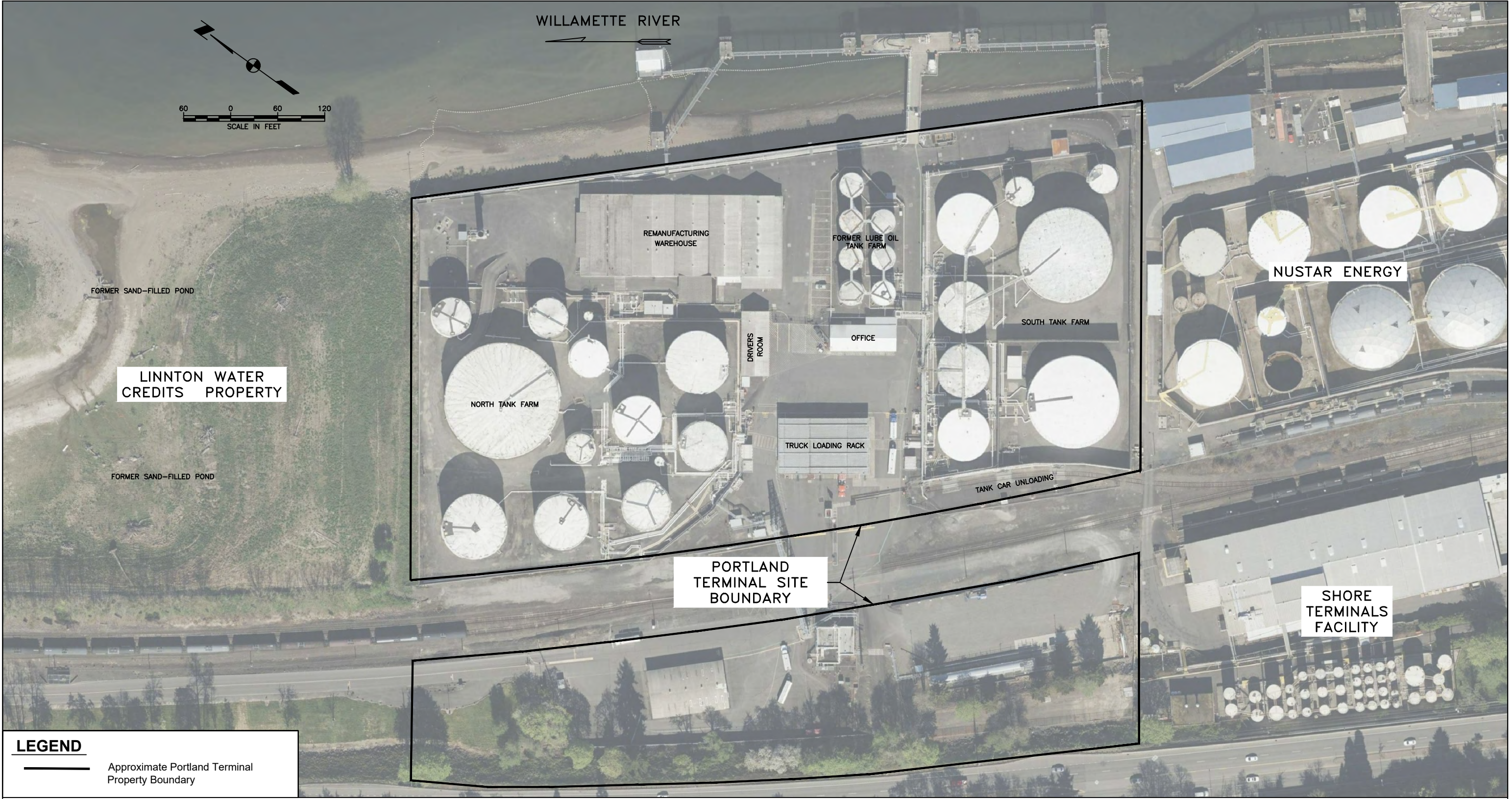
Project Number: 60733311

SITE VICINITY MAP

PORTLAND TERMINAL
9930 NW ST HELENS ROAD
PORTLAND, OREGON

FIGURE 1

K:\BP\GW_Contours\2023\Annual_GW_Report_2023\Fig 2 Site Location Map.dwg Jun 17, 2024 - 1:14pm



LEGEND

— Approximate Portland Terminal Property Boundary

Imagery Source: Microsoft Bing ©2023

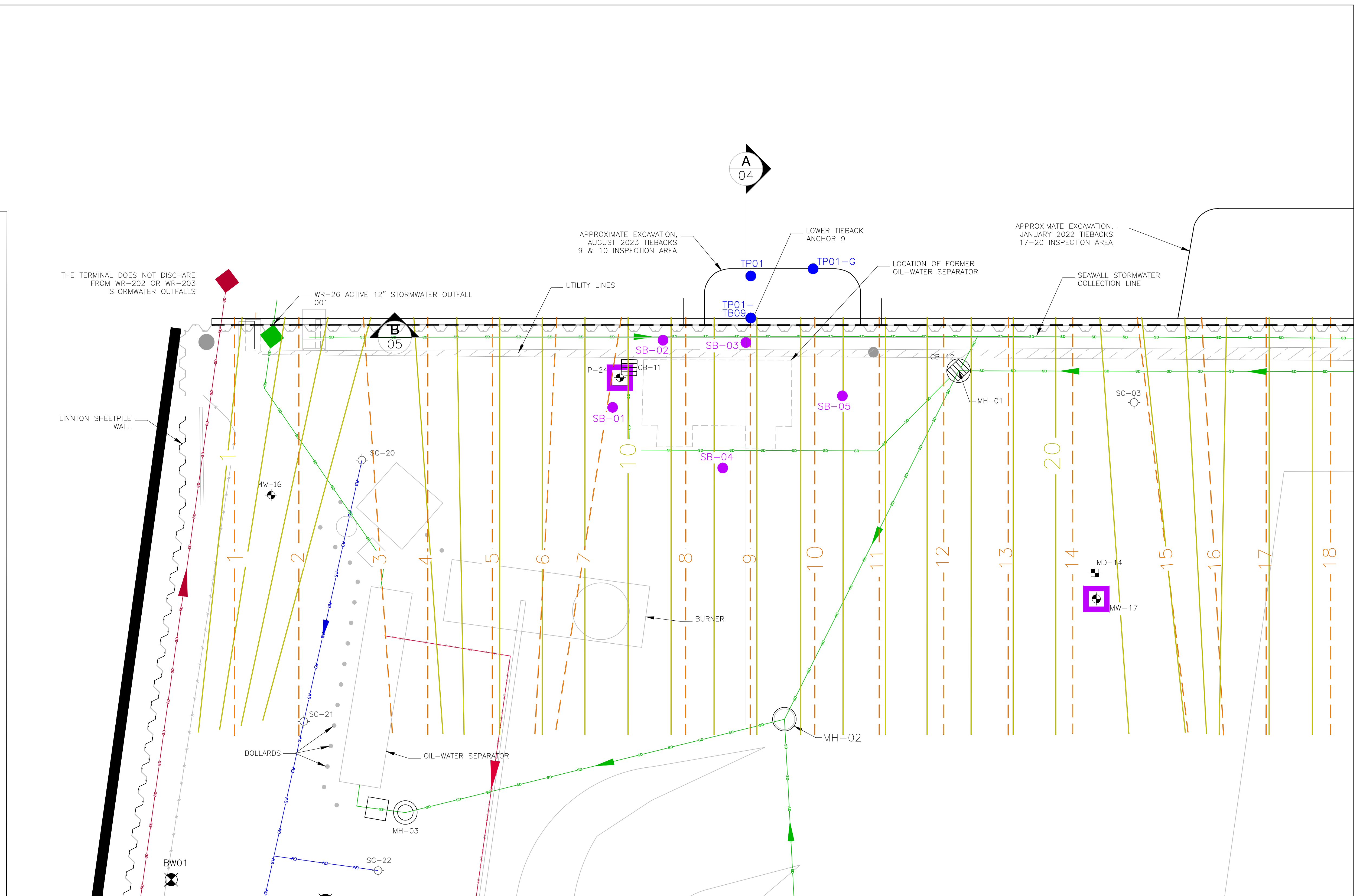
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SITE MAP OF TERMINAL AND SURROUNDING PROPERTY

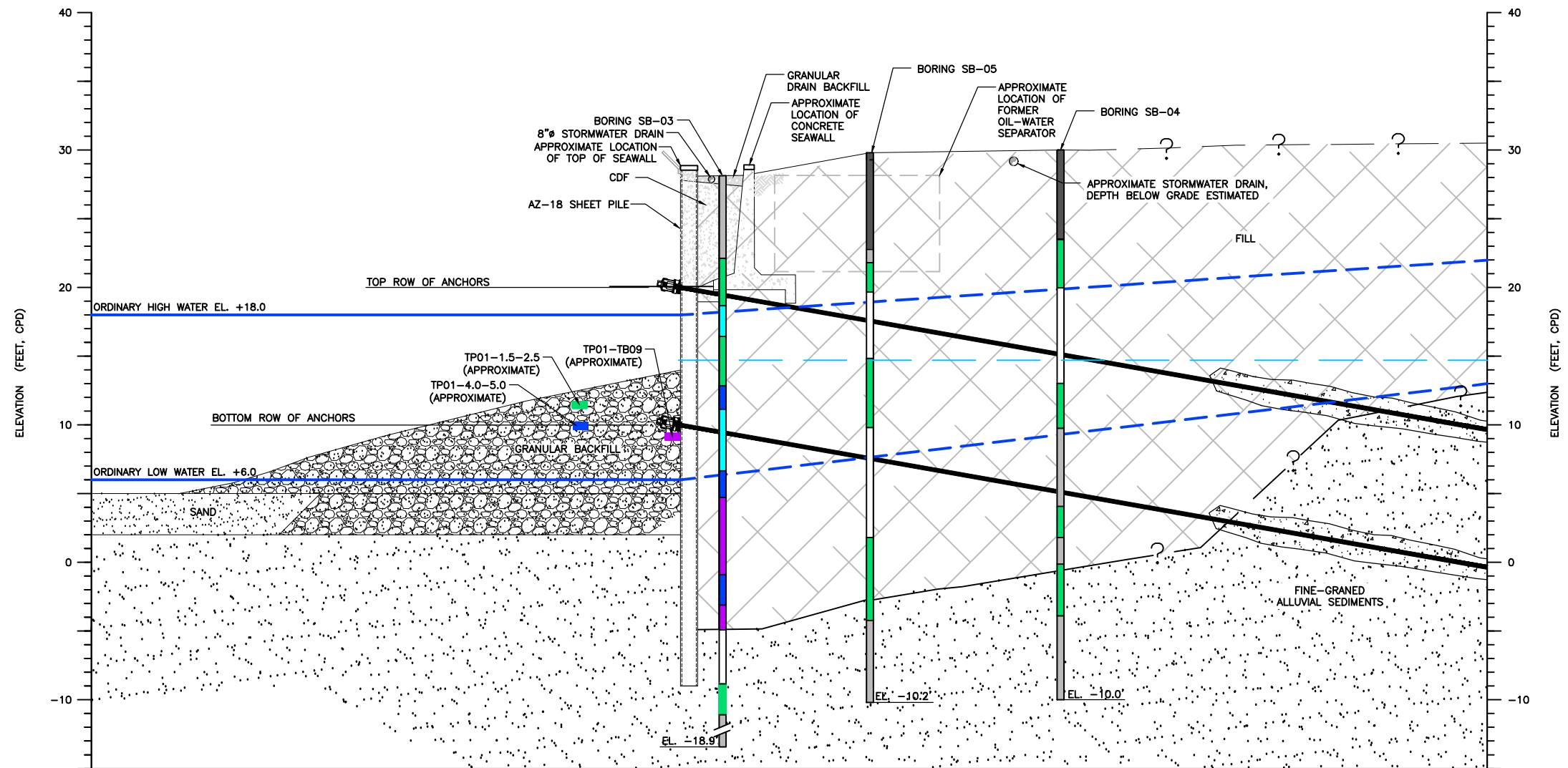
Project Number: 60733311

PORTLAND TERMINAL
9930 NW ST HELENS
PORTLAND, OREGON

FIGURE 2



\\na.aecomnet.com\In\A\MER\Portland-USPOR01\DCS\GIS\BPA\WKO\2025\0925\Fig 4 Cross Section A-A.dwg Sep 24, 2025 - 12:10pm



FOR ADDITIONAL INFORMATION REGARDING SEAWALL TIEBACK INSTALLATION, SEE DRAWING PACKAGE PREPARED FOR REVETMENT REMOVAL RECORD REVISION. (URS, 2009)

GEOLOGIC CROSS-SECTION INFORMATION SOURCED FROM 2025 BORING LOGS (AECOM, 2025), AND FINAL GEOTECHNICAL ANALYSIS REPORT, PROPOSED SEAWALL REPLACEMENT (URS, 2009)

DEPICTED LOCATIONS OF SAMPLES TP01-1.5-2.5, TP01-4.0-5.0, AND TP01-TB09 ARE APPROXIMATE. ADDITIONAL INFORMATION REGARDING THESE SAMPLES, INCLUDING ANALYTICAL DATA, IS PROVIDED IN THE B1a AREA PREDESIGN INVESTIGATION PHASE 3 EVALUATION REPORT (JACOBS, 2024).

CDF = CONTROLLED DENSITY FILL
PCB = POLYCHLORINATED BIPHENYL
PHSS = PORTLAND HARBOR SUPERFUND SITE
CUL = PHSS CLEAN UP LEVEL (9 µg/kg FOR TOTAL PCBs IN SEDIMENT)
RAL = PHSS REMEDIAL ACTION LEVEL (75 µg/kg FOR TOTAL PCBs IN SEDIMENT)
PTW = PHSS PRINCIPAL THREAT WASTE THRESHOLD (200 µg/kg FOR TOTAL PCBs IN SEDIMENT)

SECTION A-A'
1"=5'-0"
Vertical Exaggeration = 1x

LEGEND

SOIL BORING - NO RECOVERY	TOTAL PCBs ≤ CUL
CORE LOGGED, NO SAMPLE COLLECTED	CUL < TOTAL PCBs ≤ RAL
SOIL BORING - SOFT DIG EXTENT	RAL < TOTAL PCBs ≤ PTW
ESTIMATED GROUNDWATER ELEVATION, BASED ON GAUGING OF MW-17 AND P-24 IN FEBRUARY 2025	PTW < TOTAL PCBs

CROSS SECTION A-A'

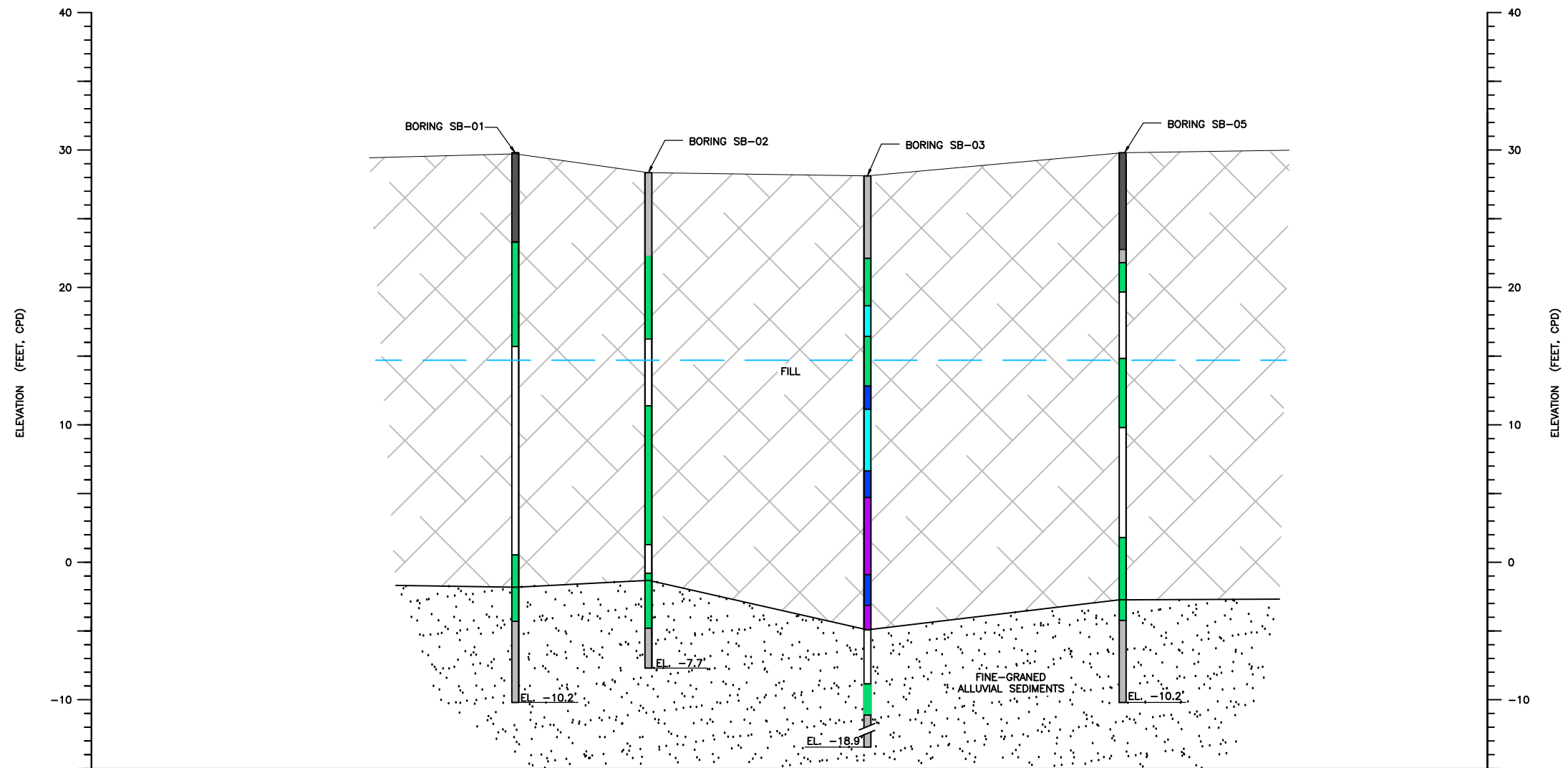
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FIGURE 4

\\na.aecomnet.com\In\A\MER\Portland-USFOR\1\DCS\GIS\B\WKO\2025\0925\Fig 5 Cross Section B-B'.dwg Sep 08, 2025 - 10:46am



FOR ADDITIONAL INFORMATION REGARDING SEAWALL TIEBACK INSTALLATION, SEE DRAWING PACKAGE PREPARED FOR REVETMENT REMOVAL RECORD REVISION. (URS, 2009)

GEOLOGIC CROSS-SECTION INFORMATION SOURCED FROM 2025 BORING LOGS (AECOM, 2025), AND FINAL GEOTECHNICAL ANALYSIS REPORT, PROPOSED SEAWALL REPLACEMENT (URS, 2009)

CDF = CONTROLLED DENSITY FILL
PCB = POLYCHLORINATED BIPHENYL
PHSS = PORTLAND HARBOR SUPERFUND SITE
CUL = PHSS CLEAN UP LEVEL (9 µg/kg FOR TOTAL PCBs IN SEDIMENT)
RAL = PHSS REMEDIAL ACTION LEVEL (75 µg/kg FOR TOTAL PCBs IN SEDIMENT)
PTW = PHSS PRINCIPAL THREAT WASTE THRESHOLD (200 µg/kg FOR TOTAL PCBs IN SEDIMENT)

SECTION B
1"=5'-0"
Vertical Exaggeration = 1x

LEGEND

- SOIL BORING - NO RECOVERY
- CORE LOGGED, NO SAMPLE COLLECTED
- SOIL BORING - SOFT DIG EXTENT
- ESTIMATED GROUNDWATER ELEVATION, BASED ON GAUGING OF MW-17 AND P-24 IN FEBRUARY 2025
- TOTAL PCBs ≤ CUL
- CUL < TOTAL PCBs ≤ RAL
- RAL < TOTAL PCBs ≤ PTW
- PTW < TOTAL PCBs

CROSS SECTION B-B'

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FIGURE 5

Tables

Table 1. Soil Boring Locations
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SMP Terminal, Portland Oregon

Boring	Latitude (degrees)	Northing (feet)	Longitude (degrees)	Easting (feet)	Ground Elevation (feet CPD)	Boring depth (feet)
SB-01	45.595386	711399.4	-122.779892	7618591.2	29.77	40
SB-02	45.595386	711399.1	-122.779829	7618607.3	28.25	37
SB-03	45.595351	711385.9	-122.779793	7618616.3	28.06	47
SB-04	45.494321	711375.4	-122.779878	7618594.1	29.96	40
SB-05	45.495293	711364.8	-122.779781	7618618.8	29.77	40

Notes:

CPD = City of Portland Datum. Convert to NADV88 by adding 2.10 feet.

Table 2. Soil Sample Depth Intervals and Elevations

2025 SMP PCB Assessment Report

SMP Terminal, Portland Oregon

Sample	Ground Elevation (feet CPD)	Top Depth (feet bgs)	Bottom Depth (feet bgs)	Top Elevation (feet CPD)	Bottom Elevation (feet CPD)
SB-01-06-08-250206	29.77	6.5	8.0	23.3	21.8
SB-01-08-10-250206	29.77	8.0	10.0	21.8	19.8
SB-01-10-12-250206	29.77	10.0	12.0	19.8	17.8
SB-01-12-14-250206	29.77	12.0	14.0	17.8	15.8
SB-01-28-30-250206	29.77	28.5	30.0	1.3	-0.2
SB-01-FD-250206	29.77	28.5	30.0	1.3	-0.2
SB-01-32-34-250206	29.77	32.0	34.0	-2.2	-4.2
SB-02-06-08-250211	28.25	6.0	8.0	22.3	20.3
SB-02-08-9.5-250211	28.25	8.0	9.5	20.3	18.8
SB-02-9.5-11-250211	28.25	9.5	11.0	18.8	17.3
SB-02-11-12-250211	28.25	11.0	12.0	17.3	16.3
SB-02-FD-250211	28.25	11.0	12.0	17.3	16.3
SB-02-17-27-250211	28.25	17.0	27.0	11.3	1.3
SB-02-29-31-250211	28.25	29.0	31.0	-0.8	-2.8
SB-02-31-33-250211	28.25	31.0	33.0	-2.8	-4.8
SB-03-06-08-250211	28.06	6.0	8.0	22.1	20.1
SB-03-08-09-250211	28.06	8.0	9.0	20.1	19.1
SB-03-09-11-250211	28.06	9.0	11.0	19.1	17.1
SB-03-11-13-250211	28.06	11.0	13.0	17.1	15.1
SB-03-13-15-250211	28.06	13.0	15.0	15.1	13.1
SB-03-15-17-250211	28.06	15.0	17.0	13.1	11.1
SB-03-17-19-250211	28.06	17.0	19.0	11.1	9.1
SB-03-19-21-250211	28.06	19.0	21.0	9.1	7.1
SB-03-21-23-250211	28.06	21.0	23.0	7.1	5.1
SB-03-23-25-250211	28.06	23.0	25.0	5.1	3.1
SB-03-25-27-250211	28.06	25.0	27.0	3.1	1.1
SB-03-FD-250211	28.06	25.0	27.0	3.1	1.1
SB-03-27-29-250211	28.06	27.0	29.0	1.1	-0.9
SB-03-29-31-250211	28.06	29.0	31.0	-0.9	-2.9
SB-03-31-33-250211	28.06	31.0	33.0	-2.9	-4.9
SB-03-37-39-250211	28.06	37.0	39.0	-8.9	-10.9
SB-04-06-08-250207	29.96	6.5	8.0	23.5	22.0
SB-04-08-10-250207	29.96	8.0	10.0	22.0	20.0
SB-04-17-19-250207	29.96	17.0	19.5	13.0	10.5
SB-04-19-20-250207	29.96	19.5	20.0	10.5	10.0
SB-04-26-28-250207	29.96	26.0	28.0	4.0	2.0
SB-04-30-32-250207	29.96	30.0	32.0	0.0	-2.0
SB-04-32-34-250207	29.96	32.0	34.0	-2.0	-4.0
SB-05-08-10-250207	29.77	8.0	10.0	21.8	19.8
SB-05-15-16-250207	29.77	15.0	16.0	14.8	13.8
SB-05-16-18-250207	29.77	16.0	18.0	13.8	11.8
SB-05-18-20-250207	29.77	18.0	28.0	11.8	1.8
SB-05-28-30-250207	29.77	28.0	30.0	1.8	-0.2
SB-05-30-32-250207	29.77	30.0	32.0	-0.2	-2.2
SB-05-32-34-250207	29.77	32.0	34.0	-2.2	-4.2

Notes:

bgs = below ground surface

CPD = City of Portland Datum. Convert to NADV88 by adding 2.10 feet.

Table 3. Groundwater Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

	Location	GW-MW17	GW-P24	GW-P24
	Sample ID	GW-MW17-250206	GW-P24-250207	GW-P24-FD-250207
	Lab Sample ID	10723330001	10723330003	10723330004
	Sample Date	02/06/2025	02/07/2025	02/07/2025
	Matrix	Groundwater	Groundwater	Groundwater
	Sample Type	Primary	Primary	Duplicate
Unit				
PHSS Total PCBs Groundwater				
CUL	14 ng/L			
Total PCB Congeners	ng/L	1.34 J	1.28 J	1.20 U
PCB-001	ng/L	0.0239 J	0.0106 U	0.0107 U
PCB-002	ng/L	0.0131 J	0.00758 U	0.00766 U
PCB-003	ng/L	0.0155 J	0.0134 U	0.0135 U
PCB-004	ng/L	0.0128 U	0.0124 U	0.0125 U
PCB-005	ng/L	0.00996 U	0.00964 U	0.00974 U
PCB-006	ng/L	0.00618 U	0.00599 U	0.00605 U
PCB-007	ng/L	0.00521 U	0.00505 U	0.0051 U
PCB-008	ng/L	0.0181 U	0.0176 U	0.0177 U
PCB-009	ng/L	0.00577 U	0.00559 U	0.00565 U
PCB-010	ng/L	0.00666 U	0.00645 U	0.00651 U
PCB-011	ng/L	0.158 U	0.153 U	0.155 U
PCB-012/013	ng/L	0.00989 U	0.00958 U	0.00968 U
PCB-014	ng/L	0.00579 U	0.00561 U	0.00567 U
PCB-015	ng/L	0.0107 U	0.0104 U	0.0105 U
PCB-016	ng/L	0.0101 U	0.00978 U	0.00988 U
PCB-017	ng/L	0.00948 U	0.00918 U	0.00928 U
PCB-018/030	ng/L	0.0206 U	0.02 U	0.0202 U
PCB-019	ng/L	0.00816 U	0.0079 U	0.00799 U
PCB-020/028	ng/L	0.0307 U	0.0297 U	0.03 U
PCB-021/033	ng/L	0.0309 U	0.0299 U	0.0302 U
PCB-022	ng/L	0.0247 U	0.0239 U	0.0242 U
PCB-023	ng/L	0.00453 U	0.00439 U	0.00444 U
PCB-024	ng/L	0.00583 U	0.00565 U	0.00571 U
PCB-025	ng/L	0.00629 U	0.00609 U	0.00615 U
PCB-026/029	ng/L	0.0102 U	0.00986 U	0.00996 U
PCB-027	ng/L	0.00651 U	0.00631 U	0.00637 U
PCB-031	ng/L	0.0416 U	0.0403 U	0.0407 U
PCB-032	ng/L	0.0066 U	0.00639 U	0.00645 U
PCB-034	ng/L	0.00629 U	0.00609 U	0.00615 U
PCB-035	ng/L	0.00577 U	0.00559 U	0.00565 U
PCB-036	ng/L	0.00573 U	0.00555 U	0.00561 U
PCB-037	ng/L	0.0125 U	0.0121 U	0.0122 U
PCB-038	ng/L	0.00577 U	0.00559 U	0.00565 U
PCB-039	ng/L	0.00524 U	0.00507 U	0.00512 U
PCB-040/041/071	ng/L	0.0223 U	0.0216 U	0.0218 U
PCB-042	ng/L	0.00779 U	0.00754 U	0.00762 U
PCB-043/73	ng/L	0.0137 U	0.0133 U	0.0135 U
PCB-044/047/065	ng/L	0.0258 U	0.0249 U	0.0252 U
PCB-045/051	ng/L	0.0122 U	0.0118 U	0.0119 U
PCB-046	ng/L	0.00631 U	0.00611 U	0.00617 U
PCB-048	ng/L	0.00726 U	0.00702 U	0.0071 U
PCB-049/069	ng/L	0.0188 U	0.0182 U	0.0184 U
PCB-050/053	ng/L	0.0112 U	0.0108 U	0.011 U
PCB-052	ng/L	0.0577 U	0.0559 U	0.0565 U
PCB-054	ng/L	0.00791 U	0.00766 U	0.00774 U
PCB-055	ng/L	0.0066 U	0.00639 U	0.00645 U
PCB-056	ng/L	0.00866 U	0.00838 U	0.00847 U
PCB-057	ng/L	0.00563 U	0.00545 U	0.00551 U
PCB-058	ng/L	0.00783 U	0.00758 U	0.00766 U
PCB-059/062/075	ng/L	0.0183 U	0.0177 U	0.0179 U
PCB-060	ng/L	0.00653 U	0.00633 U	0.00639 U
PCB-061/070/074/076	ng/L	0.035 U	0.0339 U	0.0343 U
PCB-063	ng/L	0.00612 U	0.00593 U	0.00599 U
PCB-064	ng/L	0.00989 U	0.00958 U	0.00968 U
PCB-066	ng/L	0.0157 U	0.0152 U	0.0153 U
PCB-067	ng/L	0.00546 U	0.00529 U	0.00534 U
PCB-068	ng/L	0.00552 U	0.00535 U	0.0054 U
PCB-072	ng/L	0.00519 U	0.00503 U	0.00508 U
PCB-077	ng/L	0.00561 U	0.00543 U	0.00549 U
PCB-078	ng/L	0.00653 U	0.00633 U	0.00639 U
PCB-079	ng/L	0.00639 U	0.00619 U	0.00625 U
PCB-080	ng/L	0.00577 U	0.00559 U	0.00565 U
PCB-081	ng/L	0.00515 U	0.00499 U	0.00504 U
PCB-082	ng/L	0.0093 U	0.009 U	0.0091 U
PCB-083	ng/L	0.00938 U	0.00908 U	0.00918 U
PCB-084	ng/L	0.0105 U	0.0102 U	0.0103 U
PCB-085/116/117	ng/L	0.0229 U	0.0221 U	0.0224 U
PCB-086/087/097/108/119/125	ng/L	0.0507 U	0.0491 U	0.0496 U
PCB-088/091	ng/L	0.0169 U	0.0164 U	0.0165 U
PCB-089	ng/L	0.00742 U	0.00718 U	0.00726 U
PCB-090/101/113	ng/L	0.0412 U	0.0399 U	0.0403 U
PCB-092	ng/L	0.00866 U	0.00838 U	0.00847 U

Table 3. Groundwater Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

Location		GW-MW17	GW-P24	GW-P24
Sample ID		GW-MW17-250206	GW-P24-250207	GW-P24-FD-250207
Lab Sample ID		10723330001	10723330003	10723330004
Sample Date		02/06/2025	02/07/2025	02/07/2025
Matrix		Groundwater	Groundwater	Groundwater
Sample Type		Primary	Primary	Duplicate
Unit				
PCB-093/098/100/102	ng/L	0.0324 U	0.0313 U	0.0317 U
PCB-094	ng/L	0.00761 U	0.00736 U	0.00744 U
PCB-095	ng/L	0.0375 U	0.0363 U	0.0367 U
PCB-096	ng/L	0.00907 U	0.00878 U	0.00887 U
PCB-099	ng/L	0.0155 U	0.015 U	0.0151 U
PCB-103	ng/L	0.00868 U	0.0084 U	0.00849 U
PCB-104	ng/L	0.00989 U	0.00958 U	0.00968 U
PCB-105	ng/L	0.0075 U	0.00726 U	0.00734 U
PCB-106	ng/L	0.00608 U	0.00589 U	0.00595 U
PCB107/124	ng/L	0.011 U	0.0106 U	0.0107 U
PCB-109	ng/L	0.00517 U	0.00501 U	0.00506 U
PCB-110/115	ng/L	0.0309 U	0.0299 U	0.0302 U
PCB-111	ng/L	0.00752 U	0.00728 U	0.00736 U
PCB-112	ng/L	0.00888 U	0.0086 U	0.00869 U
PCB-114	ng/L	0.00524 U	0.00507 U	0.00512 U
PCB-118	ng/L	0.0153 U	0.0148 U	0.0149 U
PCB-120	ng/L	0.00934 U	0.00904 U	0.00914 U
PCB-121	ng/L	0.00765 U	0.0074 U	0.00748 U
PCB-122	ng/L	0.0066 U	0.00639 U	0.00645 U
PCB-123	ng/L	0.00653 U	0.00633 U	0.00639 U
PCB-126	ng/L	0.00662 U	0.00641 U	0.00647 U
PCB-127	ng/L	0.00443 U	0.00429 U	0.00434 U
PCB-128/166	ng/L	0.0131 U	0.0127 U	0.0128 U
PCB-129/138/163	ng/L	0.124 U	0.12 U	0.121 U
PCB-130	ng/L	0.00758 U	0.00734 U	0.00742 U
PCB-131	ng/L	0.00754 U	0.0073 U	0.00738 U
PCB-132	ng/L	0.0412 U	0.0399 U	0.0403 U
PCB-133	ng/L	0.00775 U	0.0075 U	0.00758 U
PCB-134/143	ng/L	0.0148 U	0.0143 U	0.0145 U
PCB-135/151	ng/L	0.0824 U	0.0798 U	0.0807 U
PCB-136	ng/L	0.0141 J	0.0138 J	0.0109 U
PCB-137	ng/L	0.00829 U	0.00802 U	0.00811 U
PCB-139/140	ng/L	0.0119 U	0.0115 U	0.0116 U
PCB-141	ng/L	0.0412 U	0.0399 U	0.00948 U
PCB-142	ng/L	0.00604 U	0.00585 U	0.00591 U
PCB-144	ng/L	0.0111 U	0.0107 U	0.0108 U
PCB-145	ng/L	0.00913 U	0.00884 U	0.00893 U
PCB-146	ng/L	0.00829 J	0.00828 J	0.00746 U
PCB-147/149	ng/L	0.0824 U	0.0798 U	0.0807 U
PCB-148	ng/L	0.00927 U	0.00898 U	0.00907 U
PCB-150	ng/L	0.00882 U	0.00854 U	0.00863 U
PCB-152	ng/L	0.00911 U	0.00882 U	0.00891 U
PCB-153/168	ng/L	0.0824 U	0.0798 U	0.0807 U
PCB-154	ng/L	0.00851 U	0.00824 U	0.00833 U
PCB-155	ng/L	0.0109 U	0.0105 U	0.0106 U
PCB-156/157	ng/L	0.011 U	0.0107 U	0.0108 U
PCB-158	ng/L	0.00639 U	0.00619 U	0.00625 U
PCB-159	ng/L	0.00633 U	0.00613 U	0.00619 U
PCB-160	ng/L	0.006 U	0.00581 U	0.00587 U
PCB-161	ng/L	0.00783 U	0.00758 U	0.00766 U
PCB-162	ng/L	0.00635 U	0.00615 U	0.00621 U
PCB-164	ng/L	0.0066 U	0.00639 U	0.00645 U
PCB-165	ng/L	0.00641 U	0.00621 U	0.00627 U
PCB-167	ng/L	0.0061 U	0.00591 U	0.00597 U
PCB-169	ng/L	0.00606 U	0.00587 U	0.00593 U
PCB-170	ng/L	0.012 J	0.0204 J	0.00847 UJ
PCB-171/173	ng/L	0.0135 U	0.013 U	0.0132 U
PCB-172	ng/L	0.00826 U	0.008 U	0.00809 U
PCB-174	ng/L	0.0412 U	0.0399 U	0.0403 U
PCB-175	ng/L	0.0081 U	0.00784 U	0.00793 U
PCB-176	ng/L	0.00874 U	0.00846 U	0.00855 U
PCB-177	ng/L	0.0412 U	0.0399 U	0.00817 U
PCB-178	ng/L	0.00987 U	0.00956 U	0.00966 U
PCB-179	ng/L	0.0412 U	0.0399 U	0.00883 U
PCB-180/193	ng/L	0.0824 U	0.0798 U	0.0807 U
PCB-181	ng/L	0.0075 U	0.00726 U	0.00734 U
PCB-182	ng/L	0.00847 U	0.0082 U	0.00829 U
PCB-183/185	ng/L	0.0228 J	0.0189 J	0.0142 U
PCB-184	ng/L	0.00864 U	0.00836 U	0.00845 U
PCB-186	ng/L	0.00878 U	0.0085 U	0.00859 U
PCB-187	ng/L	0.0412 U	0.0399 U	0.0403 U
PCB-188	ng/L	0.00783 U	0.00758 U	0.00766 U
PCB-189	ng/L	0.00796 U	0.0077 U	0.00778 U
PCB-190	ng/L	0.00723 U	0.007 U	0.00708 U
PCB-191	ng/L	0.00678 U	0.00656 U	0.00663 U

Table 3. Groundwater Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

Location		GW-MW17	GW-P24	GW-P24
Sample ID		GW-MW17-250206	GW-P24-250207	GW-P24-FD-250207
Lab Sample ID		10723330001	10723330003	10723330004
Sample Date		02/06/2025	02/07/2025	02/07/2025
Matrix		Groundwater	Groundwater	Groundwater
Sample Type		Primary	Primary	Duplicate
Unit				
PCB-192	ng/L	0.00796 U	0.0077 U	0.00778 U
PCB-194	ng/L	0.00769 U	0.00854 J	0.00752 U
PCB-195	ng/L	0.00711 U	0.00688 U	0.00696 U
PCB-196	ng/L	0.00892 U	0.00864 U	0.00873 U
PCB-197/200	ng/L	0.0171 U	0.0165 U	0.0167 U
PCB-198/199	ng/L	0.0129 U	0.0125 U	0.0126 U
PCB-201	ng/L	0.00824 U	0.00798 U	0.00807 U
PCB-202	ng/L	0.00789 U	0.00764 U	0.00772 U
PCB-203	ng/L	0.00713 U	0.0069 U	0.00698 U
PCB-204	ng/L	0.00647 U	0.00627 U	0.00633 U
PCB-205	ng/L	0.00769 U	0.00744 U	0.00752 U
PCB-206	ng/L	0.0126 U	0.0122 U	0.0123 U
PCB-207	ng/L	0.00967 U	0.00936 U	0.00946 U
PCB-208	ng/L	0.00824 U	0.00798 U	0.00807 U
PCB-209	ng/L	0.0129 U	0.0125 U	0.0126 U

Notes:
Non-detects are reported as the MDL (method detection limit)
Total PCB concentrations calculated using 1/2 the MDL for non-detected compounds
Total PCB concentrations exceeding PHSS CUL are highlighted
CUL = clean up level
U = non-detect
J = estimated result
ng/L = nanograms per liter
PCB = polychlorinated biphenyl
PHSS = Portland Harbor Superfund Site

Table 4. Soil Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

Location		SB-01	SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID		SB-01-06-08-250206	SB-01-08-10-250206	SB-01-10-12-250206	SB-01-12-14-250206	SB-01-28-30-250206	SB-01-30-32-250206
Lab Sample ID		10723332001	10723332002	10723332003	10723332004	10723332005	10723332007
Sample Date		02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025
Sample Depth (feet below ground surface)		6.5-8.0	8.0-10.0	10.0-12.0	12.0-14.0	28.5-30.0	30.0-32.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Primary	Primary	Primary
Analyte	Unit						
PHSS Total PCBs							
Sediment CUL	9 ug/kg						
PHSS Total PCBs							
Sediment Site-wide							
RAL	75 ug/kg						
PHSS Total PCBs							
Sediment PTW							
Threshold	200 ug/kg						
Percent Moisture	%	14.1	9.3	12.9	12.7	32.4	36.6
Total PCB Congeners	ug/kg	3.00 J	0.771 J	0.646 J	0.888 J	0.833 J	0.598 J
Total PCB Congeners	ng/kg	3,000 J	771 J	646 J	888 J	833 J	598 J
PCB-001	ng/kg	7.22 J	3.19 U	3.46 U	3.55 U	3.93 U	4.00 U
PCB-002	ng/kg	6.29 U	3.36 U	4.84 U	4.96 U	5.49 U	5.59 U
PCB-003	ng/kg	8.06 U	3.36 U	6.19 U	6.35 U	7.03 U	7.15 U
PCB-004	ng/kg	21.0 U	15.6 U	3.76 U	3.86 U	9.54 U	4.97 J
PCB-005	ng/kg	3.64 U	2.44 U	3.95 U	2.67 U	4.52 U	3.01 U
PCB-006	ng/kg	5.24 J	3.51 U	3.49 U	2.66 J	4.01 U	2.82 U
PCB-007	ng/kg	4.64 U	3.14 U	3.36 U	2.33 U	3.94 U	2.62 U
PCB-008	ng/kg	26.6 U	22.3 U	20.4 U	21.0 U	23.2 U	23.6 U
PCB-009	ng/kg	3.84 U	3.02 U	2.68 U	2.75 U	3.86 U	3.10 U
PCB-010	ng/kg	10.7 U	6.51 U	3.15 U	3.24 U	4.74 U	3.64 U
PCB-011	ng/kg	260 U	219 U	200 U	250 J+	244 J+	231 U
PCB-012/013	ng/kg	7.45 U	6.26 U	4.83 U	4.95 U	5.48 U	5.58 U
PCB-014	ng/kg	4.67 U	2.57 U	3.44 U	2.49 U	4.15 U	2.80 U
PCB-015	ng/kg	10.2 J	5.82 U	4.77 U	7.64 J	6.35 J	5.51 U
PCB-016	ng/kg	14.0 J	6.60 J	6.99 J	5.99 J	6.25 J	5.84 U
PCB-017	ng/kg	15.2 J	7.30 J	7.07 J	6.45 J	6.42 J	6.65 J
PCB-018/030	ng/kg	28.3 J	16.0 U	11.4 J	11.1 J	12.9 J	12.2 U
PCB-019	ng/kg	5.02 J	2.48 U	3.23 U	3.31 U	3.66 U	3.73 U
PCB-020/028	ng/kg	49.9 J	29.9 J	26.5 U	35.7 J	33.7 J	30.7 U
PCB-021/033	ng/kg	26.2 J	13.9 J	15.1 U	18.5 J	17.2 U	17.5 U
PCB-022	ng/kg	15.8 J	11.6 J	12.7 U	13.1 U	14.5 U	14.7 U
PCB-023	ng/kg	2.97 U	2.49 U	2.75 U	2.82 U	3.13 U	3.18 U
PCB-024	ng/kg	4.18 U	3.51 U	2.91 U	2.98 U	3.30 U	3.36 U
PCB-025	ng/kg	4.14 J	3.11 U	3.01 U	3.09 U	3.42 U	3.48 U
PCB-026/029	ng/kg	8.22 J	5.69 U	5.98 U	6.13 U	6.79 U	6.91 U
PCB-027	ng/kg	5.12 U	4.30 U	3.34 U	3.43 U	3.79 U	3.86 U
PCB-031	ng/kg	39.0 J	21.6 J	22.3 U	31.3 J	26.2 J	25.8 U
PCB-032	ng/kg	10.6 J	6.94 U	5.77 J	6.24 J	6.81 J	5.56 U
PCB-034	ng/kg	3.25 U	2.73 U	2.79 U	2.87 U	3.17 U	3.23 U
PCB-035	ng/kg	26.6 U	22.3 UJ	20.4 UJ	21.0 U	23.2 U	23.6 U
PCB-036	ng/kg	2.93 U	2.46 U	2.57 U	3.24 J	2.92 U	2.97 U
PCB-037	ng/kg	56.3 U	47.3 U	6.79 U	44.4 U	7.71 U	7.84 U
PCB-038	ng/kg	2.51 U	2.11 U	2.39 U	2.46 U	2.72 U	2.77 U
PCB-039	ng/kg	3.29 U	2.76 U	2.83 U	2.91 U	3.22 U	3.27 U
PCB-040/041/071	ng/kg	29.9 J	12.5 J	10.4 U	10.6 U	11.8 U	12.0 U
PCB-042	ng/kg	14.3 J	5.69 J	5.83 U	5.98 U	6.62 U	6.74 U
PCB-043/73	ng/kg	12.0 U	10.1 U	10.2 U	10.5 U	11.6 U	11.8 U
PCB-044/047/065	ng/kg	79.7 U	66.9 UJ	22.1 U	22.6 U	25.0 U	25.5 U
PCB-045/051	ng/kg	14.1 J	9.28 U	6.39 J	6.54 U	7.24 U	7.36 U
PCB-046	ng/kg	4.77 J	3.11 U	2.92 U	2.99 U	3.31 U	3.37 U
PCB-048	ng/kg	11.4 J	4.82 J	3.64 U	3.74 U	4.14 U	4.21 U
PCB-049/069	ng/kg	32.7 J	10.8 J	10.6 U	10.9 U	12.1 U	12.3 U
PCB-050/053	ng/kg	8.92 U	7.49 U	5.69 U	5.83 U	6.46 U	6.57 U
PCB-052	ng/kg	137 U	115 U	105 U	108 U	120 U	23.1 U
PCB-054	ng/kg	2.62 U	2.20 U	2.74 U	2.81 U	3.11 U	3.16 U
PCB-055	ng/kg	3.57 U	3.00 U	3.00 U	3.08 U	3.40 U	3.46 U
PCB-056	ng/kg	26.6 U	22.3 U	6.69 U	21.0 U	7.60 U	7.73 U
PCB-057	ng/kg	2.71 U	2.28 U	2.72 U	2.79 U	3.09 U	3.14 U
PCB-058	ng/kg	2.42 U	1.95 U	2.43 U	2.49 U	2.75 U	2.80 U
PCB-059/062/075	ng/kg	6.25 U	5.25 U	8.04 U	8.25 U	9.13 U	9.29 U
PCB-060	ng/kg	10.6 J	5.14 U	5.46 U	5.80 J	6.20 U	6.30 U
PCB-061/070/074/076	ng/kg	106 U	89.2 U	23.2 U	83.8 U	26.3 U	26.8 U
PCB-063	ng/kg	2.85 U	2.39 U	2.37 U	2.43 U	2.69 U	2.74 U
PCB-064	ng/kg	26.6 U	22.3 U	8.33 U	8.55 U	9.46 U	9.63 U
PCB-066	ng/kg	33.2 J	13.6 J	14.3 U	16.4 J	16.2 U	16.5 U
PCB-067	ng/kg	2.59 U	2.18 U	2.47 U	2.54 U	2.81 U	2.86 U
PCB-068	ng/kg	2.90 U	2.44 U	2.24 U	2.30 U	2.54 U	2.59 U
PCB-072	ng/kg	2.48 U	2.08 U	2.24 U	2.30 U	2.54 U	2.59 U
PCB-077	ng/kg	5.14 J	2.85 U	2.72 U	2.79 U	3.09 U	3.14 U
PCB-078	ng/kg	3.11 U	2.61 U	2.38 U	2.44 U	2.70 U	2.75 U

Table 4. Soil Analytical Results
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SMP Terminal, Portland Oregon

Location		SB-01	SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID		SB-01-06-08-250206	SB-01-08-10-250206	SB-01-10-12-250206	SB-01-12-14-250206	SB-01-28-30-250206	SB-01-30-32-250206
Lab Sample ID		10723332001	10723332002	10723332003	10723332004	10723332005	10723332007
Sample Date		02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025
Sample Depth (feet below ground surface)		6.5-8.0	8.0-10.0	10.0-12.0	12.0-14.0	28.5-30.0	30.0-32.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Primary	Primary	Primary
PCB-079	ng/kg	3.15 U	2.64 U	2.15 U	2.20 U	2.44 U	2.48 U
PCB-080	ng/kg	2.18 U	1.61 U	1.93 U	1.98 U	2.19 U	2.23 U
PCB-081	ng/kg	2.52 U	2.11 U	2.30 U	2.36 U	2.61 U	2.65 U
PCB-082	ng/kg	11.8 J	6.59 U	6.28 U	6.44 U	7.13 U	7.26 U
PCB-083	ng/kg	7.37 J	2.69 U	3.41 U	3.50 U	3.88 U	3.94 U
PCB-084	ng/kg	30.5	4.05 J	4.09 U	4.20 U	4.65 U	4.73 U
PCB-085/116/117	ng/kg	14.2 J	6.63 U	8.25 U	8.46 U	9.37 U	9.53 U
PCB-086/087/097/108/119/125	ng/kg	60.7 J	12.1 U	15.9 U	16.3 U	18.1 U	18.4 U
PCB-088/091	ng/kg	14.7 J	5.95 U	7.05 J	5.65 U	6.25 U	6.36 U
PCB-089	ng/kg	3.61 U	3.03 U	3.36 U	3.44 U	3.81 U	3.88 U
PCB-090/101/113	ng/kg	88.6	12.7 J	12.1 J	10.4 U	11.5 U	11.7 U
PCB-092	ng/kg	17.2 J	3.36 U	3.19 U	3.27 U	3.62 U	3.68 U
PCB-093/098/100/102	ng/kg	10.2 U	8.58 U	11.4 U	11.7 U	13.0 U	13.2 U
PCB-094	ng/kg	2.41 U	2.03 U	2.76 U	2.83 U	3.14 U	3.19 U
PCB-095	ng/kg	84.6	14.3 U	13.2 U	13.5 U	14.9 U	15.2 U
PCB-096	ng/kg	4.54 U	3.81 U	3.49 U	3.58 U	3.96 U	4.03 U
PCB-099	ng/kg	32.9 J	5.1 J	5.30 U	5.44 U	6.02 U	6.12 U
PCB-103	ng/kg	3.47 U	2.91 U	3.24 U	3.33 U	3.68 U	3.75 U
PCB-104	ng/kg	3.08 U	2.59 U	2.36 U	2.42 U	2.68 U	2.73 U
PCB-105	ng/kg	21 J	3.96 U	4.23 J	4.29 J	4.57 U	4.65 U
PCB-106	ng/kg	2.79 U	2.34 U	2.16 U	2.21 U	2.45 U	2.49 U
PCB107/124	ng/kg	4.75 U	3.99 U	4.57 U	4.69 U	5.19 U	5.28 U
PCB-109	ng/kg	3.82 J	3.09 U	2.81 U	2.88 U	3.19 U	3.25 U
PCB-110/115	ng/kg	118	44.6 U	11.8 U	12.1 U	13.4 U	13.6 U
PCB-111	ng/kg	2.84 U	2.38 U	2.74 U	2.82 U	3.12 U	3.17 U
PCB-112	ng/kg	2.89 U	2.43 U	3.61 U	3.70 U	4.10 U	4.17 U
PCB-114	ng/kg	2.55 U	2.14 U	2.25 U	2.31 U	2.56 U	2.6 U
PCB-118	ng/kg	50.4 J+	5.72 U	31.9 U	32.7 U	7.96 U	8.1 U
PCB-120	ng/kg	3.02 U	2.53 U	2.97 U	3.05 U	3.38 U	3.44 U
PCB-121	ng/kg	2.55 U	2.14 U	3.15 U	3.24 U	3.58 U	3.64 U
PCB-122	ng/kg	4.18 U	3.51 U	2.61 U	2.67 U	2.96 U	3.01 U
PCB-123	ng/kg	2.96 U	2.48 U	2.92 U	3.00 U	3.32 U	3.38 U
PCB-126	ng/kg	2.83 U	2.25 U	2.60 U	2.67 U	2.95 U	3.00 U
PCB-127	ng/kg	2.99 U	2.51 U	2.36 U	2.42 U	2.68 U	2.73 U
PCB-128/166	ng/kg	16.3 J	4.88 U	4.48 U	4.60 U	5.09 U	5.18 U
PCB-129/138/163	ng/kg	148	9.73 U	9.92 J	9.39 U	10.5 J	10.6 U
PCB-130	ng/kg	8.39 J	2.68 U	2.88 U	2.95 U	3.27 U	3.32 U
PCB-131	ng/kg	3.66 J	2.94 U	2.85 U	2.92 U	3.24 U	3.29 U
PCB-132	ng/kg	48.9	4.27 U	4.32 J	3.60 J	3.56 J	3.42 U
PCB-133	ng/kg	3.36 U	2.82 U	2.61 U	2.68 U	2.97 U	3.02 U
PCB-134/143	ng/kg	9.46 J	4.11 U	4.43 U	4.54 U	5.03 U	5.12 U
PCB-135/151	ng/kg	57.6	8.27 U	6.43 U	6.60 U	7.30 U	7.43 U
PCB-136	ng/kg	21.2 J	4.27 U	3.34 U	3.43 U	3.79 U	3.86 U
PCB-137	ng/kg	4.38 J	3.22 U	2.50 U	2.56 U	2.84 U	2.89 U
PCB-139/140	ng/kg	4.70 U	3.94 U	4.52 U	4.63 U	5.13 U	5.22 U
PCB-141	ng/kg	33.3	3.61 U	2.54 J	4.69 J	2.87 U	2.92 U
PCB-142	ng/kg	3.11 U	2.61 U	2.44 U	2.51 U	2.77 U	2.82 U
PCB-144	ng/kg	6.93 J	3.61 U	3.04 U	3.12 U	3.45 U	3.51 U
PCB-145	ng/kg	2.80 U	2.35 U	3.03 U	3.11 U	3.44 U	3.50 U
PCB-146	ng/kg	20.1 J	3.52 U	2.86 U	2.93 U	3.25 U	3.30 U
PCB-147/149	ng/kg	126	10.4 U	8.66 J	7.04 U	9.74 J	8.81 J
PCB-148	ng/kg	5.83 U	4.89 U	4.86 U	4.99 U	5.52 U	5.62 U
PCB-150	ng/kg	3.15 U	2.64 U	2.67 U	2.74 U	3.03 U	3.09 U
PCB-152	ng/kg	3.42 U	2.87 U	3.41 U	3.50 U	3.88 U	3.94 U
PCB-153/168	ng/kg	120	7.55 J	8.76 J	7.83 J	9.16 J	6.68 U
PCB-154	ng/kg	3.53 U	2.96 U	2.81 U	2.88 U	3.19 U	3.25 U
PCB-155	ng/kg	3.45 J	2.66 U	2.80 J	3.17 J	2.49 U	2.99 J
PCB-156/157	ng/kg	9.98 J	3.81 U	4.47 U	4.58 U	5.07 U	5.16 U
PCB-158	ng/kg	14.0 J	2.08 U	2.24 U	2.30 U	2.54 U	2.59 U
PCB-159	ng/kg	2.97 U	2.49 U	2.90 U	2.98 U	3.29 U	3.35 U
PCB-160	ng/kg	3.03 U	2.54 U	2.14 U	2.20 U	2.43 U	2.47 U
PCB-161	ng/kg	2.43 U	2.04 U	1.90 U	1.94 U	2.15 U	2.19 U
PCB-162	ng/kg	2.72 U	2.28 U	2.52 U	2.59 U	2.87 U	2.92 U
PCB-164	ng/kg	11.9 J	2.66 U	2.86 U	2.93 U	3.25 U	3.30 U
PCB-165	ng/kg	2.25 U	1.89 U	2.33 U	2.39 U	2.64 U	2.69 U
PCB-167	ng/kg	6.19 J	2.62 U	2.70 U	2.77 U	3.07 U	3.12 U
PCB-169	ng/kg	3.44 U	2.89 U	2.39 U	2.46 U	2.72 U	2.77 U
PCB-170	ng/kg	68.8	4.54 U	4.19 J	3.70 U	4.09 U	4.16 U
PCB-171/173	ng/kg	21.3 J	4.21 U	4.93 U	5.06 U	5.60 U	5.70 U
PCB-172	ng/kg	15.5 J	2.88 U	2.93 U	3.01 U	3.33 U	3.39 U
PCB-174	ng/kg	75.2	4.75 U	3.62 J	3.62 U	4.01 U	4.08 U
PCB-175	ng/kg	3.76 J	2.21 U	5.65 U	2.50 U	2.76 U	2.81 U

Table 4. Soil Analytical Results
2025 SMP PCB Assessment Report
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Location		SB-01	SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID		SB-01-06-08-250206	SB-01-08-10-250206	SB-01-10-12-250206	SB-01-12-14-250206	SB-01-28-30-250206	SB-01-30-32-250206
Lab Sample ID		10723332001	10723332002	10723332003	10723332004	10723332005	10723332007
Sample Date		02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025
Sample Depth (feet below ground surface)		6.5-8.0	8.0-10.0	10.0-12.0	12.0-14.0	28.5-30.0	30.0-32.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Primary	Primary	Primary
PCB-176	ng/kg	10.7 J	3.11 U	4.33 U	3.09 U	3.42 U	3.48 U
PCB-177	ng/kg	45.9	3.86 U	4.43 J	3.14 U	3.48 U	3.54 U
PCB-178	ng/kg	14.7 J	3.11 U	5.96 U	3.37 U	3.73 U	3.79 U
PCB-179	ng/kg	30.4	3.45 U	4.23 U	3.38 U	3.74 U	3.80 U
PCB-180/193	ng/kg	163	8.22 U	9.17 J	6.68 U	7.39 U	7.52 U
PCB-181	ng/kg	3.06 U	2.57 U	2.79 U	2.86 U	3.16 U	3.22 U
PCB-182	ng/kg	3.41 U	2.86 U	5.01 U	2.78 U	3.08 U	3.13 U
PCB-183/185	ng/kg	53.9	5.54 U	5.35 U	5.49 U	6.08 U	6.18 U
PCB-184	ng/kg	2.91 U	2.87 J	4.13 U	2.80 J	2.78 U	2.83 U
PCB-186	ng/kg	3.10 U	2.61 U	4.37 U	2.94 U	3.26 U	3.31 U
PCB-187	ng/kg	85.4	5.07 U	5.31 U	3.85 J	3.78 U	3.84 U
PCB-188	ng/kg	2.33 U	1.95 U	2.46 U	2.52 U	2.79 U	2.84 U
PCB-189	ng/kg	3.54 U	2.97 U	3.06 U	3.14 U	3.48 U	3.54 U
PCB-190	ng/kg	14.4 J	2.48 U	3.17 U	3.25 U	3.60 U	3.66 U
PCB-191	ng/kg	2.37 U	1.99 U	2.72 U	2.79 U	3.09 U	3.14 U
PCB-192	ng/kg	3.01 U	2.53 U	3.25 U	3.34 U	3.69 U	3.76 U
PCB-194	ng/kg	42.7	3.03 U	3.5 U	3.59 U	3.97 U	4.04 U
PCB-195	ng/kg	16.3 J	2.96 U	3.54 U	3.64 U	4.03 U	4.10 U
PCB-196	ng/kg	22.8 J	2.52 U	3.3 U	3.39 U	3.75 U	3.81 U
PCB-197/200	ng/kg	7.93 J	5.40 U	5.68 U	5.82 U	6.45 U	6.56 U
PCB-198/199	ng/kg	49.4 J	4.15 U	5.84 U	5.99 U	6.63 U	6.75 U
PCB-201	ng/kg	6.55 J	2.20 U	2.52 U	2.59 U	2.87 U	2.92 U
PCB-202	ng/kg	10.8 J	1.67 U	4.21 J	2.34 U	2.59 U	2.63 U
PCB-203	ng/kg	28.4	3.04 U	3.28 U	3.36 U	3.72 U	3.78 U
PCB-204	ng/kg	2.43 U	2.04 U	2.37 U	2.43 U	2.69 U	2.74 U
PCB-205	ng/kg	2.97 U	2.49 U	2.51 U	2.57 U	2.85 U	2.90 U
PCB-206	ng/kg	31.2	3.28 U	5.10 U	3.75 U	4.16 U	4.23 U
PCB-207	ng/kg	2.97 J	2.10 U	3.29 U	3.19 U	3.53 U	3.60 U
PCB-208	ng/kg	11.1 J	2.32 U	3.30 U	2.52 U	2.79 U	2.84 U
PCB-209	ng/kg	25.9 J	3.33 U	3.24 U	3.33 U	3.68 U	3.75 U

Table 4. Soil Analytical Results
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Location		SB-01	SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID		SB-01-FD-250206	SB-01-32-34-250206	SB-02-06-08-250211	SB-02-08-9.5-250211	SB-02-9.5-11-250211	SB-02-11-12-250211
Lab Sample ID		10723332008	10723332006	10723702001	10723702002	10723702003	10723702004
Sample Date		02/06/2025	02/06/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025
Sample Depth (feet below ground surface)		30.0-32.0	32.0-34.0	6.0-8.0	8.0-9.5	9.5-11.0	11.0-12.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Duplicate	Primary	Primary	Primary	Primary	Primary
Analyte	Unit						
PHSS Total PCBs							
Sediment CUL	9 ug/kg						
PHSS Total PCBs							
Sediment Site-wide							
RAL	75 ug/kg						
PHSS Total PCBs							
Sediment PTW							
Threshold	200 ug/kg						
Percent Moisture	%	33.9	32.8	14.5	7.6	9.9	9.9
Total PCB Congeners	ug/kg	0.900 J	0.817 J	0.646 J	0.701 J	0.494 J	7.59 J
Total PCB Congeners	ng/kg	900 J	817 J	646 J	701 J	494 J	7,590 J
PCB-001	ng/kg	3.93 U	5.41 U	3.93 U	3.80 U	2.96 U	31.2
PCB-002	ng/kg	5.48 U	7.55 U	4.13 U	3.99 U	3.11 U	6.37 U
PCB-003	ng/kg	7.02 U	9.67 U	4.14 U	4.00 U	3.12 U	8.72 J
PCB-004	ng/kg	4.26 U	12.3 U	11.9 U	14.0 U	10.8 U	21.1 U
PCB-005	ng/kg	2.95 U	4.07 U	11.3 U	8.21 U	6.92 U	7.78 U
PCB-006	ng/kg	2.77 U	4.38 J	10.4 U	7.51 U	6.34 U	6.36 U
PCB-007	ng/kg	2.57 U	3.55 U	10.2 U	7.41 U	6.25 U	6.11 U
PCB-008	ng/kg	23.2 U	31.9 U	9.86 U	7.27 U	6.04 U	8.87 J
PCB-009	ng/kg	3.04 U	4.18 U	10.7 U	7.79 U	6.57 U	7.05 U
PCB-010	ng/kg	3.58 U	5.16 U	7.13 U	7.82 U	6.40 U	8.15 U
PCB-011	ng/kg	266 J+	313 U	269 U	97.1 U	203 U	239 U
PCB-012/013	ng/kg	5.47 U	7.54 U	10.6 U	7.73 U	6.52 U	7.34 U
PCB-014	ng/kg	2.75 U	3.79 U	10.4 U	7.53 U	6.36 U	6.71 U
PCB-015	ng/kg	7.68 J	7.45 U	9.67 U	6.92 U	5.86 U	6.92 U
PCB-016	ng/kg	6.08 J	8.61 J	7.81 U	7.55 U	5.89 U	7.19 J
PCB-017	ng/kg	5.90 J	7.79 J	8.75 U	8.46 U	6.60 U	7.78 U
PCB-018/030	ng/kg	11.9 U	17.2 J	19.7 U	19.0 U	14.8 U	17.5 U
PCB-019	ng/kg	3.66 U	5.04 U	3.05 U	2.95 U	2.30 U	2.71 U
PCB-020/028	ng/kg	33.2 J	41.5 U	29.4 U	28.5 U	22.2 U	26.5 J
PCB-021/033	ng/kg	17.5 J	23.6 U	16.1 U	15.6 U	12.2 U	14.4 U
PCB-022	ng/kg	14.4 U	19.9 U	13.7 U	13.3 U	10.3 U	12.2 U
PCB-023	ng/kg	3.12 U	4.30 U	3.06 U	2.96 U	2.31 U	2.72 U
PCB-024	ng/kg	3.30 U	4.54 U	4.32 U	4.17 U	3.25 U	3.84 U
PCB-025	ng/kg	3.42 U	4.71 U	3.82 U	3.69 U	2.88 U	3.40 U
PCB-026/029	ng/kg	6.78 U	9.34 U	7.01 U	6.77 U	5.28 U	6.23 U
PCB-027	ng/kg	3.79 U	5.22 U	5.29 U	5.12 U	3.99 U	4.71 U
PCB-031	ng/kg	25.3 U	34.8 U	24.9 U	24.1 U	18.8 U	22.2 U
PCB-032	ng/kg	5.95 J	7.51 U	8.54 U	8.26 U	6.44 U	7.60 U
PCB-034	ng/kg	3.17 U	4.36 U	3.36 U	3.25 U	2.53 U	2.99 U
PCB-035	ng/kg	23.2 U	4.68 U	4.06 U	3.93 U	3.06 U	3.61 U
PCB-036	ng/kg	3.22 J	4.02 U	3.03 U	2.93 U	2.29 U	2.69 U
PCB-037	ng/kg	49.1 U	10.6 U	6.51 U	6.30 U	4.91 U	7.35 J
PCB-038	ng/kg	2.71 U	3.74 U	2.59 U	2.51 U	1.95 U	2.53 U
PCB-039	ng/kg	3.21 U	4.43 U	3.39 U	3.28 U	2.56 U	3.02 U
PCB-040/041/071	ng/kg	11.8 U	16.2 U	15.3 U	14.8 U	11.5 U	14.3 J
PCB-042	ng/kg	6.61 U	10.4 J	6.08 U	5.88 U	4.59 U	6.44 J
PCB-043/73	ng/kg	11.6 U	15.9 U	12.4 U	12.0 U	9.36 U	11.0 U
PCB-044/047/065	ng/kg	69.5 U	34.4 U	23.1 U	22.3 U	17.4 U	31.2 J
PCB-045/051	ng/kg	7.22 U	9.95 U	11.4 U	11.0 U	8.61 U	10.2 U
PCB-046	ng/kg	3.31 U	5.28 U	3.82 U	3.69 U	2.88 U	3.40 U
PCB-048	ng/kg	4.13 U	5.69 U	4.66 U	4.50 U	3.51 U	5.15 J
PCB-049/069	ng/kg	12.0 U	16.6 U	12.2 U	11.8 U	9.19 U	14.5 J
PCB-050/053	ng/kg	6.45 U	8.88 U	9.21 U	8.91 U	6.95 U	8.19 U
PCB-052	ng/kg	119 U	31.3 U	25.4 U	24.5 U	19.1 U	50.8 J
PCB-054	ng/kg	3.10 U	4.27 U	2.70 U	2.61 U	2.04 U	2.40 U
PCB-055	ng/kg	3.40 U	4.68 U	3.69 U	3.57 U	2.78 U	3.28 U
PCB-056	ng/kg	23.2 U	10.4 U	6.57 J	6.01 U	4.69 U	10.6 J
PCB-057	ng/kg	3.08 U	4.25 U	2.80 U	2.71 U	2.11 U	2.49 U
PCB-058	ng/kg	2.75 U	3.79 U	2.39 U	2.31 U	1.81 U	2.13 UJ
PCB-059/062/075	ng/kg	9.11 U	12.6 U	6.46 U	6.24 U	4.87 U	5.74 U
PCB-060	ng/kg	6.19 U	8.52 U	6.33 U	6.11 U	4.77 U	6.03 J
PCB-061/070/074/076	ng/kg	26.3 U	36.2 U	19.8 J	18.3 U	14.2 U	50.6 J
PCB-063	ng/kg	2.69 U	3.7.0 U	2.94 U	2.85 U	2.22 U	2.62 U
PCB-064	ng/kg	9.45 U	13.0 U	6.55 U	6.33 U	4.93 U	11.2 J
PCB-066	ng/kg	16.2 U	22.3 U	16.0 U	15.5 U	12.1 U	20.1 J
PCB-067	ng/kg	2.81 U	3.87 U	2.68 U	2.59 U	2.02 U	2.38 U
PCB-068	ng/kg	2.54 U	3.50 U	3.00 U	2.90 U	2.26 U	2.67 U
PCB-072	ng/kg	2.54 U	3.50 U	2.56 U	2.47 U	1.93 U	2.27 U
PCB-077	ng/kg	3.08 U	4.25 U	3.50 U	3.39 U	2.64 U	3.11 U
PCB-078	ng/kg	2.70 U	3.71 U	3.22 U	3.11 U	2.43 U	2.86 U

Table 4. Soil Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

Location		SB-01	SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID		SB-01-FD-250206	SB-01-32-34-250206	SB-02-06-08-250211	SB-02-08-9.5-250211	SB-02-9.5-11-250211	SB-02-11-12-250211
Lab Sample ID		10723332008	10723332006	10723702001	10723702002	10723702003	10723702004
Sample Date		02/06/2025	02/06/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025
Sample Depth (feet below ground surface)		30.0-32.0	32.0-34.0	6.0-8.0	8.0-9.5	9.5-11.0	11.0-12.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Duplicate	Primary	Primary	Primary	Primary	Primary
PCB-079	ng/kg	2.44 U	3.36 U	3.25 U	3.14 U	2.45 U	2.89 U
PCB-080	ng/kg	2.19 U	3.01 U	1.98 U	1.91 U	1.49 U	1.78 U
PCB-081	ng/kg	2.60 U	3.59 U	2.60 U	2.52 U	1.96 U	2.31 U
PCB-082	ng/kg	7.12 U	9.81 U	8.12 U	7.85 U	6.12 U	7.22 U
PCB-083	ng/kg	3.87 U	5.33 U	3.31 U	3.20 U	2.49 U	3.20 J
PCB-084	ng/kg	4.64 U	6.39 U	4.95 U	4.79 U	3.73 U	17.8 J
PCB-085/116/117	ng/kg	9.36 U	12.9 U	8.16 U	7.89 U	6.15 U	9.04 J
PCB-086/087/097/108/119/125	ng/kg	18.1 U	24.9 U	14.9 U	14.4 U	11.3 U	53.0 J
PCB-088/091	ng/kg	6.24 U	8.60 U	7.32 U	7.08 U	5.52 U	6.69 J
PCB-089	ng/kg	3.81 U	5.24 U	3.73 U	3.61 U	2.82 U	3.32 U
PCB-090/101/113	ng/kg	11.5 U	15.8 U	14.4 U	13.9 U	10.8 U	209
PCB-092	ng/kg	3.61 U	4.98 U	4.13 U	3.99 U	3.11 U	22.4 J
PCB-093/098/100/102	ng/kg	13.0 U	17.9 U	10.6 U	10.2 U	7.96 U	9.38 U
PCB-094	ng/kg	3.13 U	4.31 U	2.49 U	2.41 U	1.88 U	2.22 U
PCB-095	ng/kg	14.9 U	20.5 U	17.6 U	17.0 U	13.2 U	158
PCB-096	ng/kg	3.96 U	5.66 U	4.69 U	4.53 U	3.54 U	4.17 U
PCB-099	ng/kg	6.01 U	8.28 U	5.53 U	5.35 U	4.17 U	23.3 J
PCB-103	ng/kg	3.68 U	5.07 U	3.58 U	3.46 U	2.70 U	3.18 U
PCB-104	ng/kg	2.68 U	5.48 U	3.18 U	3.08 U	2.40 U	2.83 U
PCB-105	ng/kg	4.64 J	6.29 U	4.88 U	4.71 U	3.68 U	19.3 J
PCB-106	ng/kg	2.45 U	3.37 U	2.88 U	2.78 U	2.17 U	2.56 U
PCB107/124	ng/kg	5.19 U	7.14 U	4.91 U	4.75 U	3.70 U	4.36 U
PCB-109	ng/kg	3.19 U	4.39 U	3.80 U	3.67 U	2.86 U	3.52 J
PCB-110/115	ng/kg	13.3 U	18.4 U	10.3 J	10.2 J	7.42 U	124
PCB-111	ng/kg	3.11 U	4.29 U	2.93 U	2.83 U	2.21 U	2.61 U
PCB-112	ng/kg	4.09 U	5.64 U	2.99 U	2.89 U	2.25 U	2.66 U
PCB-114	ng/kg	2.56 U	3.52 U	2.64 U	2.55 U	1.99 U	2.34 U
PCB-118	ng/kg	36.1 U	10.9 U	7.04 U	6.81 U	5.31 U	63.2
PCB-120	ng/kg	3.37 U	4.64 U	3.12 U	3.02 U	2.35 U	2.77 U
PCB-121	ng/kg	3.58 U	4.92 U	2.64 U	2.55 U	1.99 U	2.34 U
PCB-122	ng/kg	2.95 U	4.07 U	4.32 U	4.17 U	3.25 U	3.84 U
PCB-123	ng/kg	3.32 U	4.57 U	3.05 U	2.95 U	2.30 U	2.71 U
PCB-126	ng/kg	2.95 U	4.06 U	2.77 U	2.68 U	2.09 U	2.46 U
PCB-127	ng/kg	2.68 U	3.69 U	3.09 U	2.98 U	2.33 U	2.74 U
PCB-128/166	ng/kg	5.09 U	7.00 U	6.01 U	5.81 U	4.53 U	32.5 J
PCB-129/138/163	ng/kg	10.8 J	14.3 U	12.0 U	25.0 J	9.03 U	562
PCB-130	ng/kg	3.26 U	4.49 U	3.29 U	3.18 U	2.48 U	14.7 J
PCB-131	ng/kg	3.23 U	4.45 U	3.62 U	3.50 U	2.73 U	3.22 U
PCB-132	ng/kg	3.84 J	6.45 J	5.25 U	9.02 J	3.96 U	166
PCB-133	ng/kg	2.96 U	4.08 U	3.47 U	3.35 U	2.62 U	4.89 J
PCB-134/143	ng/kg	5.02 U	6.92 U	5.06 U	4.89 U	3.82 U	23.8 J
PCB-135/151	ng/kg	7.29 U	10.0 U	10.2 U	16.8 J	7.68 U	291
PCB-136	ng/kg	3.79 U	5.22 U	5.25 U	6.19 J	3.96 U	95.4
PCB-137	ng/kg	2.83 U	3.90 U	3.96 U	3.83 U	2.99 U	3.69 J
PCB-139/140	ng/kg	5.12 U	7.06 U	4.85 U	4.69 U	3.66 U	4.32 U
PCB-141	ng/kg	2.86 U	3.94 U	4.45 U	5.33 J	3.35 U	169
PCB-142	ng/kg	2.77 U	3.97 U	3.22 U	3.11 U	2.43 U	3.10 U
PCB-144	ng/kg	3.45 U	4.75 U	4.44 U	4.29 U	3.35 U	41.3
PCB-145	ng/kg	3.44 U	4.73 U	2.89 U	2.79 U	2.18 U	2.57 U
PCB-146	ng/kg	3.24 U	4.47 U	4.34 U	4.19 U	3.27 U	73.3
PCB-147/149	ng/kg	7.78 U	10.7 U	12.7 U	29.5 J	11.6 J	555
PCB-148	ng/kg	5.51 U	7.59 U	6.02 U	5.82 U	4.54 U	5.35 U
PCB-150	ng/kg	3.03 U	4.17 U	3.25 U	3.14 U	2.45 U	2.89 U
PCB-152	ng/kg	3.87 U	5.33 U	3.54 U	3.42 U	2.67 U	3.14 U
PCB-153/168	ng/kg	7.50 J	9.03 U	8.39 U	23.4 J	7.34 J	637
PCB-154	ng/kg	3.19 U	4.39 U	3.65 U	3.52 U	2.75 U	3.24 U
PCB-155	ng/kg	3.20 J	3.42 U	3.27 U	3.16 U	2.47 U	2.91 U
PCB-156/157	ng/kg	5.07 U	6.98 U	4.69 U	4.53 U	3.54 U	30.9 J
PCB-158	ng/kg	2.54 U	3.50 U	2.56 U	2.47 U	1.93 U	47.7
PCB-159	ng/kg	3.29 U	4.53 U	3.06 U	2.96 U	2.31 U	10.8 J
PCB-160	ng/kg	2.43 U	3.34 U	3.13 U	3.03 U	2.36 U	2.78 U
PCB-161	ng/kg	2.15 U	2.96 U	2.51 U	2.43 U	1.90 U	2.24 U
PCB-162	ng/kg	2.86 U	3.94 U	2.81 U	2.72 U	2.12 U	2.50 U
PCB-164	ng/kg	3.24 U	4.47 U	3.27 U	3.16 U	2.47 U	37.6
PCB-165	ng/kg	2.64 U	3.64 U	2.33 U	2.25 U	1.76 U	2.62 J
PCB-167	ng/kg	3.07 U	4.22 U	3.23 U	3.12 U	2.43 U	12.2 J
PCB-169	ng/kg	2.71 U	3.74 U	3.56 U	3.44 U	2.68 U	3.16 U
PCB-170	ng/kg	4.08 U	5.63 U	5.59 U	10.6 J	4.21 U	261
PCB-171/173	ng/kg	5.59 U	7.71 U	5.18 U	5.01 U	3.91 U	89.0
PCB-172	ng/kg	3.33 U	4.58 U	3.55 U	3.43 U	2.67 U	53.4
PCB-174	ng/kg	4.00 U	5.51 U	5.84 U	14.0 J	4.60 J	331
PCB-175	ng/kg	2.76 U	4.90 U	2.72 U	2.63 U	2.05 U	14.8 J

Table 4. Soil Analytical Results
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Location		SB-01	SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID		SB-01-FD-250206	SB-01-32-34-250206	SB-02-06-08-250211	SB-02-08-9.5-250211	SB-02-9.5-11-250211	SB-02-11-12-250211
Lab Sample ID		10723332008	10723332006	10723702001	10723702002	10723702003	10723702004
Sample Date		02/06/2025	02/06/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025
Sample Depth (feet below ground surface)		30.0-32.0	32.0-34.0	6.0-8.0	8.0-9.5	9.5-11.0	11.0-12.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Duplicate	Primary	Primary	Primary	Primary	Primary
PCB-176	ng/kg	3.42 U	4.71 U	3.83 U	3.71 U	2.89 U	47.6
PCB-177	ng/kg	3.47 U	4.78 U	4.74 U	8.60 J	3.58 U	186
PCB-178	ng/kg	3.72 U	5.22 U	3.82 U	3.69 U	2.88 U	68.0
PCB-179	ng/kg	3.73 U	5.14 U	4.25 U	6.55 J	3.20 U	152
PCB-180/193	ng/kg	7.38 U	10.2 U	10.1 U	29.5 J	10.8 J	719
PCB-181	ng/kg	3.16 U	4.35 U	3.16 U	3.06 U	2.38 U	2.81 U
PCB-182	ng/kg	3.08 U	4.27 U	3.53 U	3.41 U	2.66 U	3.13 U
PCB-183/185	ng/kg	6.07 U	8.36 U	6.82 U	9.70 J	5.14 U	240
PCB-184	ng/kg	2.78 U	3.90 J	3.01 U	2.91 U	2.27 U	2.68 U
PCB-186	ng/kg	3.25 U	4.48 U	3.21 U	3.10 U	2.42 U	2.85 U
PCB-187	ng/kg	3.77 U	5.19 U	6.24 U	18.4 J	7.45 J	391
PCB-188	ng/kg	2.79 U	3.84 U	2.41 U	2.32 U	1.81 U	2.14 U
PCB-189	ng/kg	3.47 U	4.78 U	3.66 U	3.54 U	2.76 U	9.80 J
PCB-190	ng/kg	3.59 U	4.95 U	3.05 U	2.95 U	2.30 U	56.8
PCB-191	ng/kg	3.08 U	4.25 U	2.45 U	2.37 U	1.85 U	10.4 J
PCB-192	ng/kg	3.69 U	5.08 U	3.11 U	3.00 U	2.34 U	2.76 U
PCB-194	ng/kg	3.96 U	5.46 U	3.72 U	6.69 J	2.81 U	156
PCB-195	ng/kg	4.02 U	5.54 U	3.29 U	3.18 U	2.48 U	62.3
PCB-196	ng/kg	3.74 U	5.15 U	3.10 U	3.46 J	2.33 U	95.3
PCB-197/200	ng/kg	6.44 U	8.87 U	6.64 U	6.42 U	5.01 U	33.2 J
PCB-198/199	ng/kg	6.62 U	9.12 U	5.11 U	7.97 J	3.85 U	193
PCB-201	ng/kg	2.86 U	3.94 U	2.70 U	2.61 U	2.04 U	25.3
PCB-202	ng/kg	2.58 U	3.56 U	1.92 U	1.86 U	1.45 U	32.9
PCB-203	ng/kg	3.71 U	5.12 U	3.74 U	5.74 J	2.82 U	115
PCB-204	ng/kg	2.69 U	3.7 U	2.51 U	2.43 U	1.90 U	2.24 U
PCB-205	ng/kg	2.84 U	3.92 U	3.06 U	2.96 U	2.31 U	8.75 J
PCB-206	ng/kg	4.15 U	7.55 U	3.17 U	3.07 U	2.39 U	54.1
PCB-207	ng/kg	3.53 U	4.86 U	2.50 U	2.42 U	1.89 U	6.9 J
PCB-208	ng/kg	2.79 U	4.56 U	2.67 U	2.58 U	2.01 U	12.0 J
PCB-209	ng/kg	3.68 U	5.52 U	4.10 U	3.96 U	3.09 U	8.38 J

Table 4. Soil Analytical Results
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Location		SB-02	SB-02	SB-02	SB-02	SB-03	SB-03
Sample ID		SB-02-FD-250211	SB-02-17-27-250211	SB-02-29-31-250211	SB-02-31-33-250211	SB-03-06-08-250211	SB-03-08-09-250211
Lab Sample ID		10723702008	10723702005	10723702006	10723702007	10723702009	10723702010
Sample Date		02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025
Sample Depth (feet below ground surface)		11.0-12.0	17.0-27.0	29.0-31.0	31.0-33.0	6.0-8.0	8.0-9.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Duplicate	Primary	Primary	Primary	Primary	Primary
Analyte	Unit						
PHSS Total PCBs							
Sediment CUL	9 ug/kg						
PHSS Total PCBs							
Sediment Site-wide							
RAL	75 ug/kg						
PHSS Total PCBs							
Sediment PTW							
Threshold	200 ug/kg						
Percent Moisture	%	10.1	11.8	34.2	34.8	16.9	6.6
Total PCB Congeners	ug/kg	8.27 J	4.22 J	8.76 J	0.630 U	0.333 U	1.12 J
Total PCB Congeners	ng/kg	8,270 J	4,220 J	8,760 J	630 U	333 U	1,120 J
PCB-001	ng/kg	37.7	3.70 U	4.18 U	4.09 U	2.16 U	2.90 U
PCB-002	ng/kg	6.50 U	3.88 U	4.39 U	4.29 U	2.27 U	3.05 U
PCB-003	ng/kg	9.26 J	3.89 U	4.41 U	4.31 U	2.28 U	3.06 U
PCB-004	ng/kg	24.1	9.40 U	12.0 U	8.92 U	5.56 U	6.49 U
PCB-005	ng/kg	10.1 U	6.35 U	6.44 U	5.06 U	2.17 U	3.16 U
PCB-006	ng/kg	8.30 U	5.81 U	5.89 U	4.86 U	2.37 U	3.19 U
PCB-007	ng/kg	7.97 U	5.73 U	5.81 U	4.65 U	2.13 U	2.91 U
PCB-008	ng/kg	10.1 J	7.07 U	8.01 U	7.82 U	4.14 U	5.56 U
PCB-009	ng/kg	9.19 U	6.03 U	6.05 U	4.85 U	2.16 U	3.04 U
PCB-010	ng/kg	7.46 U	6.29 U	7.49 U	6.49 U	3.46 U	3.53 U
PCB-011	ng/kg	202 U	253 U	286 U	280 U	148 U	199 U
PCB-012/013	ng/kg	9.58 U	7.24 U	8.19 U	8.00 U	4.23 U	5.69 U
PCB-014	ng/kg	8.75 U	5.83 U	5.91 U	4.66 U	2.00 U	2.91 U
PCB-015	ng/kg	8.89 U	17.1 J	7.62 U	7.45 U	3.94 U	5.29 U
PCB-016	ng/kg	5.86 U	13.6 J	8.31 U	8.12 U	4.29 U	5.77 U
PCB-017	ng/kg	7.02 J	10.8 J	9.32 U	9.10 U	4.81 U	6.47 U
PCB-018/030	ng/kg	14.8 U	24.8 J	20.9 U	20.4 U	10.8 U	14.5 U
PCB-019	ng/kg	2.29 U	4.43 J	3.25 U	3.17 U	1.68 U	2.26 U
PCB-020/028	ng/kg	23.9 J	29.5 J	31.3 U	30.6 U	16.2 U	21.7 U
PCB-021/033	ng/kg	12.8 J	15.2 U	17.2 U	16.8 U	8.88 U	11.9 U
PCB-022	ng/kg	10.3 U	12.9 U	14.6 U	14.3 U	7.55 U	10.1 U
PCB-023	ng/kg	3.12 U	2.88 U	3.26 U	3.19 U	1.68 U	2.26 U
PCB-024	ng/kg	3.24 U	4.06 U	4.59 U	4.49 U	2.37 U	3.19 U
PCB-025	ng/kg	2.87 U	3.59 U	4.07 U	3.97 U	2.10 U	2.82 U
PCB-026/029	ng/kg	5.26 U	6.59 U	7.46 U	7.29 U	3.85 U	5.18 U
PCB-027	ng/kg	3.98 U	4.98 U	5.63 U	5.50 U	2.91 U	3.91 U
PCB-031	ng/kg	20.4 J	23.4 U	26.5 U	25.9 U	13.7 U	18.4 U
PCB-032	ng/kg	6.42 U	10.9 J	9.09 U	8.88 U	4.70 U	6.31 U
PCB-034	ng/kg	3.11 U	3.16 U	3.58 U	3.49 U	1.85 U	2.48 U
PCB-035	ng/kg	3.18 U	3.82 U	4.32 U	4.23 U	2.23 U	3.00 U
PCB-036	ng/kg	2.99 U	2.85 U	3.23 U	3.15 U	1.67 U	2.24 U
PCB-037	ng/kg	6.24 J	8.63 J	6.93 U	6.77 U	3.58 U	4.81 U
PCB-038	ng/kg	3.02 U	2.44 U	2.76 U	2.69 U	1.43 U	1.91 U
PCB-039	ng/kg	2.82 U	3.19 U	3.61 U	3.53 U	1.87 U	2.51 U
PCB-040/041/071	ng/kg	11.6 J	17.0 J	16.2 U	15.9 U	8.39 U	11.3 U
PCB-042	ng/kg	5.25 J	8.07 J	6.48 U	6.33 U	3.35 U	4.50 U
PCB-043/73	ng/kg	9.32 U	11.7 U	13.2 U	12.9 U	6.82 U	9.17 U
PCB-044/047/065	ng/kg	26.6 J	29.2 J	24.5 U	24.0 U	12.7 U	17.0 U
PCB-045/051	ng/kg	8.58 U	10.7 U	12.2 U	11.9 U	6.28 U	8.44 U
PCB-046	ng/kg	2.87 U	3.59 U	4.07 U	3.97 U	2.10 U	2.82 U
PCB-048	ng/kg	3.50 U	5.88 J	4.96 U	4.84 U	2.56 U	3.44 U
PCB-049/069	ng/kg	13.5 J	17.0 J	13.0 U	12.7 U	6.70 U	9.01 U
PCB-050/053	ng/kg	6.92 U	8.66 U	9.81 U	9.58 U	5.07 U	6.81 U
PCB-052	ng/kg	49.9 J	38.3 J	38.3 J	26.4 U	13.9 U	18.7 U
PCB-054	ng/kg	2.03 U	2.54 U	2.88 U	2.81 U	1.49 U	2.00 U
PCB-055	ng/kg	2.77 U	3.47 U	3.93 U	3.84 U	2.03 U	2.73 U
PCB-056	ng/kg	9.73 J	10.1 J	6.62 U	6.46 U	3.42 U	4.59 U
PCB-057	ng/kg	2.10 U	2.63 U	2.98 U	2.91 U	1.54 U	2.07 U
PCB-058	ng/kg	5.86 J	2.25 U	2.55 U	2.49 U	1.32 U	1.77 U
PCB-059/062/075	ng/kg	4.85 U	6.07 U	6.87 U	6.71 U	3.55 U	4.77 U
PCB-060	ng/kg	6.17 J	6.65 J	6.73 U	6.58 U	3.48 U	4.67 U
PCB-061/070/074/076	ng/kg	43.8 J	33.8 J	26.1 J	19.6 U	10.4 U	18.5 J
PCB-063	ng/kg	2.21 U	2.77 U	3.13 U	3.06 U	1.62 U	2.17 U
PCB-064	ng/kg	9.43 J	12.1 J	6.97 U	6.81 U	3.60 U	6.02 J
PCB-066	ng/kg	19.4 J	18.3 J	17.1 U	16.7 U	8.82 U	11.8 U
PCB-067	ng/kg	2.01 U	2.52 U	2.85 U	2.79 U	1.47 U	1.98 U
PCB-068	ng/kg	2.25 U	2.82 U	3.19 U	3.12 U	1.65 U	2.22 U
PCB-072	ng/kg	1.92 U	2.41 U	2.72 U	2.66 U	1.41 U	1.89 U
PCB-077	ng/kg	2.63 U	3.29 U	3.73 U	3.64 U	1.93 U	2.59 U
PCB-078	ng/kg	2.42 U	3.02 U	3.42 U	3.35 U	1.77 U	2.38 U

Table 4. Soil Analytical Results
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Location		SB-02	SB-02	SB-02	SB-02	SB-03	SB-03
Sample ID		SB-02-FD-250211	SB-02-17-27-250211	SB-02-29-31-250211	SB-02-31-33-250211	SB-03-06-08-250211	SB-03-08-09-250211
Lab Sample ID		10723702008	10723702005	10723702006	10723702007	10723702009	10723702010
Sample Date		02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025
Sample Depth (feet below ground surface)		11.0-12.0	17.0-27.0	29.0-31.0	31.0-33.0	6.0-8.0	8.0-9.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Duplicate	Primary	Primary	Primary	Primary	Primary
PCB-079	ng/kg	2.44 U	3.06 U	3.46 U	3.38 U	1.79 U	2.40 U
PCB-080	ng/kg	1.54 U	1.86 U	2.10 U	2.06 U	1.09 U	1.46 U
PCB-081	ng/kg	1.95 U	2.45 U	2.77 U	2.71 U	1.43 U	1.92 U
PCB-082	ng/kg	6.10 U	7.63 U	8.64 U	8.44 U	4.46 U	6.00 U
PCB-083	ng/kg	3.14 J	3.11 U	3.80 J	3.44 U	1.82 U	2.44 U
PCB-084	ng/kg	16.3 J	9.55 J	11.6 J	5.15 U	2.72 U	4.43 J
PCB-085/116/117	ng/kg	7.53 J	7.67 U	8.68 U	8.48 U	4.49 U	6.03 U
PCB-086/087/097/108/119/125	ng/kg	53.7 J	24.3 J	39.2 J	15.5 U	8.21 U	11.0 U
PCB-088/091	ng/kg	6.71 J	6.89 U	7.80 U	7.62 U	4.03 U	5.41 U
PCB-089	ng/kg	2.80 U	3.51 U	3.97 U	3.88 U	2.05 U	2.76 U
PCB-090/101/113	ng/kg	221	107	241	15.0 U	7.91 U	16.6 J
PCB-092	ng/kg	22.7	13.6 J	28.7 J	4.29 U	2.27 U	3.05 U
PCB-093/098/100/102	ng/kg	7.93 U	9.92 U	11.2 U	11.0 U	5.80 U	7.80 U
PCB-094	ng/kg	1.87 U	2.34 U	2.65 U	2.59 U	1.37 U	1.84 U
PCB-095	ng/kg	168	92.9	188	18.3 U	9.66 U	14.5 J
PCB-096	ng/kg	3.52 U	4.41 U	4.99 U	4.88 U	2.58 U	3.46 U
PCB-099	ng/kg	23.0	11.4 J	15.4 J	5.76 U	3.04 U	5.29 J
PCB-103	ng/kg	2.69 U	3.37 U	3.81 U	3.72 U	1.97 U	2.65 U
PCB-104	ng/kg	2.39 U	2.99 U	3.39 U	3.31 U	1.75 U	2.35 U
PCB-105	ng/kg	21.7	7.28 J	13.1 J	5.07 U	2.68 U	5.26 J
PCB-106	ng/kg	2.16 U	2.70 U	3.06 U	2.99 U	1.58 U	2.13 U
PCB107/124	ng/kg	3.69 U	4.61 U	5.22 U	5.10 U	2.70 U	3.63 U
PCB-109	ng/kg	4.35 J	3.57 U	4.04 U	3.95 U	2.09 U	2.81 U
PCB-110/115	ng/kg	128	57.8	112	10.2 U	5.41 U	20.8 J
PCB-111	ng/kg	2.20 U	2.76 U	3.12 U	3.05 U	1.61 U	2.17 U
PCB-112	ng/kg	2.24 U	2.81 U	3.18 U	3.11 U	1.64 U	2.21 U
PCB-114	ng/kg	1.98 U	2.48 U	2.81 U	2.74 U	1.45 U	1.95 U
PCB-118	ng/kg	67.9	28.5 J	50.1	7.32 U	3.87 U	12.3 J
PCB-120	ng/kg	2.34 U	2.93 U	3.32 U	3.24 U	1.71 U	2.30 U
PCB-121	ng/kg	1.98 U	2.48 U	2.81 U	2.74 U	1.45 U	1.95 U
PCB-122	ng/kg	3.24 U	4.06 U	4.59 U	4.49 U	2.37 U	3.19 U
PCB-123	ng/kg	2.29 U	2.87 U	3.25 U	3.17 U	1.68 U	2.26 U
PCB-126	ng/kg	2.08 U	2.60 U	2.95 U	2.88 U	1.52 U	2.04 U
PCB-127	ng/kg	2.32 U	2.90 U	3.28 U	3.21 U	1.70 U	2.28 U
PCB-128/166	ng/kg	32.6 J	16.9 J	34.3 J	6.25 U	3.30 U	5.89 J
PCB-129/138/163	ng/kg	622	280	672	12.4 U	6.58 U	46.7 J
PCB-130	ng/kg	19.9 J	9.04 J	19.1 J	3.43 U	1.81 U	2.43 U
PCB-131	ng/kg	3.60 J	3.41 U	3.86 U	3.77 U	1.99 U	2.68 U
PCB-132	ng/kg	187	84.3	196	5.46 U	2.89 U	15.4 J
PCB-133	ng/kg	6.90 J	3.26 U	6.02 J	3.61 U	1.91 U	2.56 U
PCB-134/143	ng/kg	25.4 J	12.3 J	25.5 J	5.26 U	2.78 U	3.74 U
PCB-135/151	ng/kg	322	163	368	10.6 U	5.60 U	17.8 J
PCB-136	ng/kg	105	56.6	125	5.46 U	2.89 U	7.40 J
PCB-137	ng/kg	3.35 J	3.73 U	4.22 U	4.12 U	2.18 U	2.93 U
PCB-139/140	ng/kg	3.65 U	4.56 U	5.17 U	5.05 U	2.67 U	3.59 U
PCB-141	ng/kg	188	82.9	210	4.62 U	2.45 U	6.39 J
PCB-142	ng/kg	2.42 U	3.02 U	3.42 U	3.35 U	1.77 U	2.38 U
PCB-144	ng/kg	45.8	23.2 J	49.9	4.61 U	2.44 U	3.28 U
PCB-145	ng/kg	2.17 U	2.72 U	3.07 U	3.00 U	1.59 U	2.13 U
PCB-146	ng/kg	83.6	38.6	89.0	4.51 U	2.39 U	6.84 J
PCB-147/149	ng/kg	636	292	682	13.2 U	7.00 U	52.2
PCB-148	ng/kg	4.52 U	5.66 U	6.41 U	6.26 U	3.31 U	4.45 U
PCB-150	ng/kg	2.44 U	3.06 U	3.46 U	3.38 U	1.79 U	2.40 U
PCB-152	ng/kg	2.66 U	3.32 U	3.76 U	3.68 U	1.94 U	2.61 U
PCB-153/168	ng/kg	718	312	789	8.72 U	4.61 U	30.2 J
PCB-154	ng/kg	2.74 U	3.43 U	3.88 U	3.79 U	2.00 U	2.69 U
PCB-155	ng/kg	2.46 U	3.08 U	3.48 U	3.40 U	1.8 U	2.42 U
PCB-156/157	ng/kg	34.1 J	15.6 J	36.3 J	4.88 U	2.58 U	3.53 J
PCB-158	ng/kg	49.5	22.0 J	52.5	2.66 U	1.41 U	4.71 J
PCB-159	ng/kg	7.44 J	4.53 J	7.73 J	3.19 U	1.68 U	2.26 U
PCB-160	ng/kg	2.35 U	2.94 U	3.33 U	3.25 U	1.72 U	2.31 U
PCB-161	ng/kg	1.89 U	2.36 U	2.68 U	2.61 U	1.38 U	1.86 U
PCB-162	ng/kg	2.26 U	2.64 U	2.99 U	2.92 U	1.55 U	2.08 U
PCB-164	ng/kg	45.0	20.4 J	46.9	3.40 U	1.80 U	4.71 J
PCB-165	ng/kg	2.35 J	2.19 U	3.31 J	2.42 U	1.28 U	1.72 U
PCB-167	ng/kg	12.3 J	6.92 J	12.6 J	3.36 U	1.78 U	2.39 U
PCB-169	ng/kg	2.67 U	3.35 U	3.79 U	3.70 U	1.96 U	2.63 U
PCB-170	ng/kg	287	141	335	5.81 U	3.07 U	32.4
PCB-171/173	ng/kg	97.9	47.8 J	112	5.39 U	2.85 U	10.4 J
PCB-172	ng/kg	56.5	27.0	62.0	3.69 U	1.95 U	6.86 J
PCB-174	ng/kg	374	168	393	6.07 U	3.21 U	40.4
PCB-175	ng/kg	14.6 J	7.59 J	15.2 J	2.83 U	1.50 U	2.01 U

Table 4. Soil Analytical Results
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Location		SB-02	SB-02	SB-02	SB-02	SB-03	SB-03
Sample ID		SB-02-FD-250211	SB-02-17-27-250211	SB-02-29-31-250211	SB-02-31-33-250211	SB-03-06-08-250211	SB-03-08-09-250211
Lab Sample ID		10723702008	10723702005	10723702006	10723702007	10723702009	10723702010
Sample Date		02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025
Sample Depth (feet below ground surface)		11.0-12.0	17.0-27.0	29.0-31.0	31.0-33.0	6.0-8.0	8.0-9.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Duplicate	Primary	Primary	Primary	Primary	Primary
PCB-176	ng/kg	50.8	25.0 J	57.1	3.99 U	2.11 U	4.19 J
PCB-177	ng/kg	209	103	232	4.93 U	2.61 U	24.6
PCB-178	ng/kg	71.9	36.0	81.8	3.97 U	2.10 U	8.53 J
PCB-179	ng/kg	164	79.0	180	4.42 U	2.34 U	16.3 J
PCB-180/193	ng/kg	776	386	874	10.5 U	5.56 U	82.9
PCB-181	ng/kg	2.38 U	2.97 U	3.37 U	3.29 U	1.74 U	2.34 U
PCB-182	ng/kg	2.65 U	3.31 U	3.75 U	3.67 U	1.94 U	2.60 U
PCB-183/185	ng/kg	269	126	296	7.09 U	3.75 U	25.4 J
PCB-184	ng/kg	2.26 U	2.83 U	3.20 U	3.13 U	1.65 U	2.22 U
PCB-186	ng/kg	2.41 U	3.01 U	3.41 U	3.33 U	1.76 U	2.37 U
PCB-187	ng/kg	422	210	475	6.49 U	3.43 U	53.1
PCB-188	ng/kg	1.81 U	2.26 U	2.56 U	2.50 U	1.32 U	1.78 U
PCB-189	ng/kg	8.90 J	4.07 J	10.3 J	3.80 U	2.01 U	2.70 U
PCB-190	ng/kg	59.8	31.3	77.7	3.17 U	1.68 U	4.44 J
PCB-191	ng/kg	12.0 J	6.49 J	15.9 J	2.55 U	1.35 U	1.81 U
PCB-192	ng/kg	2.33 U	2.92 U	3.31 U	3.23 U	1.71 U	2.30 U
PCB-194	ng/kg	177	81.3	195	3.87 U	2.05 U	27.9
PCB-195	ng/kg	75.9	35.6	82.1	3.43 U	1.81 U	10.9 J
PCB-196	ng/kg	106	46.6	116	3.22 U	1.70 U	13.5 J
PCB-197/200	ng/kg	35.5 J	16.0 J	36.6 J	6.91 U	3.65 U	4.91 U
PCB-198/199	ng/kg	212	91.2	213	5.31 U	2.81 U	34.0 J
PCB-201	ng/kg	27.7	11.6 J	30.2	2.81 U	1.49 U	4.05 J
PCB-202	ng/kg	36.8	16.1 J	33.6	2.00 U	1.06 U	6.31 J
PCB-203	ng/kg	123	57.7	125	3.89 U	2.06 U	18.4 J
PCB-204	ng/kg	1.89 U	2.36 U	2.68 U	2.61 U	1.38 U	1.86 U
PCB-205	ng/kg	10.0 J	2.88 U	8.76 J	3.19 U	1.68 U	2.26 U
PCB-206	ng/kg	55.2	21.8 J	37.7	3.30 U	1.75 U	19.2 J
PCB-207	ng/kg	9.60 J	3.66 J	5.87 J	2.60 U	1.38 U	2.62 J
PCB-208	ng/kg	11.2 J	3.88 J	6.24 J	2.77 U	1.47 U	5.95 J
PCB-209	ng/kg	8.52 J	3.85 U	4.36 U	4.26 U	2.25 U	14.5 J

Table 4. Soil Analytical Results
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Location		SB-03	SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID		SB-03-09-11-250211	SB-03-11-13-250211	SB-03-13-15-250211	SB-03-15-17-250211	SB-03-17-19-250211	SB-03-19-21-250211
Lab Sample ID		10723702011	10723702012	10723702013	10723702014	10723702015	10723702016
Sample Date		02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025
Sample Depth (feet below ground surface)		9.0-11.0	11.0-13.0	13.0-15.0	15.0-17.0	17.0-19.0	19.0-21.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Primary	Primary	Primary
Analyte	Unit						
PHSS Total PCBs							
Sediment CUL	9 ug/kg						
PHSS Total PCBs							
Sediment Site-wide							
RAL	75 ug/kg						
PHSS Total PCBs							
Sediment PTW							
Threshold	200 ug/kg						
Percent Moisture	%	23.6	13.3	10.7	20.9	17.4	20.4
Total PCB Congeners	ug/kg	22.5 J	4.95 J	5.72 J	200 J	10.9 J	10.2 J
Total PCB Congeners	ng/kg	22,500 J	4,950 J	5,720 J	200,000 J	10,900 J	10,200 J
PCB-001	ng/kg	4.24 U	3.22 U	3.34 U	24.3 U	3.82 U	13.7 U
PCB-002	ng/kg	4.46 U	3.38 U	3.51 U	23.6 U	4.01 U	14.5 U
PCB-003	ng/kg	4.47 U	3.39 U	3.52 U	24.3 U	4.02 U	14.6 U
PCB-004	ng/kg	9.61 U	7.80 U	20.2 U	29.3 U	9.15 U	95.7 U
PCB-005	ng/kg	3.76 U	4.43 U	9.73 U	32.0 U	3.55 U	38.2 U
PCB-006	ng/kg	4.66 U	4.25 U	7.96 U	28.6 U	4.19 U	33.7 U
PCB-007	ng/kg	4.17 U	4.07 U	7.64 U	27.3 U	3.75 U	32.3 U
PCB-008	ng/kg	8.12 U	7.36 J	7.23 U	42.6	7.30 U	30.5 U
PCB-009	ng/kg	4.01 U	4.25 U	8.81 U	21.9 U	3.60 U	35.1 U
PCB-010	ng/kg	6.55 U	5.17 U	15.1 U	18.1 U	5.59 U	52.7 U
PCB-011	ng/kg	290 U	220 U	229 U	263 U	261 U	294 U
PCB-012/013	ng/kg	8.31 U	6.31 U	9.19 U	26.7 U	7.47 U	34.1 U
PCB-014	ng/kg	3.46 U	4.07 U	8.39 U	29.8 U	3.27 U	33.1 U
PCB-015	ng/kg	7.73 U	8.87 J	8.94 U	27.1 U	6.95 U	33.5 U
PCB-016	ng/kg	8.43 U	9.65 J	6.64 U	12.0 J	7.58 U	8.53 U
PCB-017	ng/kg	9.45 U	10.2 J	7.44 U	18.0 J	8.50 U	9.57 U
PCB-018/030	ng/kg	21.2 U	21.5 J	16.7 U	45.9 J	19.1 U	21.5 U
PCB-019	ng/kg	3.3 U	21.4 J	2.61 U	6.35 U	6.08 J	7.11 U
PCB-020/028	ng/kg	31.8 U	43.1 J	25.6 J	66.4 J	28.6 U	32.2 U
PCB-021/033	ng/kg	17.4 U	19.8 J	13.7 U	34.1 J	15.7 U	17.6 U
PCB-022	ng/kg	14.8 U	13.3 J	11.7 U	24.1 J	13.3 U	15.0 U
PCB-023	ng/kg	3.31 U	3.37 U	2.97 U	6.25 U	2.97 U	8.72 U
PCB-024	ng/kg	4.66 U	3.54 U	3.67 U	3.82 U	4.19 U	4.72 U
PCB-025	ng/kg	4.13 U	3.15 U	3.25 U	6.19 U	3.71 U	8.75 U
PCB-026/029	ng/kg	7.56 U	5.74 U	5.96 U	9.17 J	6.80 U	8.65 U
PCB-027	ng/kg	5.71 U	4.34 U	4.50 U	4.38 U	5.14 U	5.79 U
PCB-031	ng/kg	26.9 U	31.3 J	22.1 J	67.3 J	24.2 U	27.2 U
PCB-032	ng/kg	9.22 U	15.8 J	7.26 U	13.7 J	8.29 U	9.34 U
PCB-034	ng/kg	3.63 U	3.37 U	2.97 U	6.63 U	3.26 U	8.92 U
PCB-035	ng/kg	4.39 U	3.44 U	3.45 U	6.53 U	3.94 U	9.10 U
PCB-036	ng/kg	3.27 U	3.23 U	2.85 U	6.16 U	2.94 U	8.60 U
PCB-037	ng/kg	7.03 U	11.0 J	6.98 J	16.8 J	6.32 U	8.19 U
PCB-038	ng/kg	2.8 U	3.27 U	2.88 U	6.37 U	2.52 U	8.69 U
PCB-039	ng/kg	3.66 U	3.05 U	2.88 U	6.40 U	3.29 U	8.17 U
PCB-040/041/071	ng/kg	16.5 U	23.1 J	14.4 J	43.1 J	14.8 U	16.7 U
PCB-042	ng/kg	6.57 U	9.93 J	5.17 U	18.9 J	5.91 U	6.65 U
PCB-043/73	ng/kg	13.4 U	10.2 U	10.5 U	12.1 U	12.0 U	13.6 U
PCB-044/047/065	ng/kg	24.9 U	41.5 J	31.1 J	132	22.4 U	27.5 J
PCB-045/051	ng/kg	12.3 U	13.0 J	9.71 U	11.1 U	11.1 U	12.5 U
PCB-046	ng/kg	4.13 U	5.75 J	3.25 U	3.73 U	3.71 U	4.18 U
PCB-048	ng/kg	5.03 U	6.54 J	6.03 J	10.5 J	4.52 U	5.09 U
PCB-049/069	ng/kg	13.2 U	20.8 J	14.7 J	75.0	11.8 U	13.3 U
PCB-050/053	ng/kg	9.95 U	12.0 J	7.83 U	8.99 U	8.95 U	10.1 U
PCB-052	ng/kg	35.2 J	61.3 J	47.1 J	449	29.9 J	32.3 J
PCB-054	ng/kg	2.92 U	2.21 U	2.30 U	2.67 U	2.62 U	2.95 U
PCB-055	ng/kg	3.98 U	3.02 U	3.14 U	5.90 U	3.58 U	4.03 U
PCB-056	ng/kg	8.29 J	14.9 J	13.8 J	54.0	7.16 J	8.15 J
PCB-057	ng/kg	3.02 U	2.36 U	3.05 U	5.75 U	2.72 U	3.28 U
PCB-058	ng/kg	2.58 U	2.37 U	3.06 U	5.77 U	2.32 U	3.29 U
PCB-059/062/075	ng/kg	6.97 U	5.29 U	5.49 U	6.30 U	6.27 U	7.06 U
PCB-060	ng/kg	6.83 U	9.25 J	8.46 J	25.6 J	6.14 U	6.91 U
PCB-061/070/074/076	ng/kg	31.3 J	70.0 J	57.0 J	339	25.1 J	32.4 J
PCB-063	ng/kg	3.18 U	2.41 U	2.95 U	5.57 U	2.86 U	3.22 U
PCB-064	ng/kg	9.29 J	17.2 J	11.6 J	42.8	9.21 J	8.68 J
PCB-066	ng/kg	17.3 U	31.0 J	24.4 J	106	15.6 U	17.5 U
PCB-067	ng/kg	2.89 U	2.20 U	2.69 U	5.08 U	2.60 U	2.96 U
PCB-068	ng/kg	3.24 U	2.46 U	2.87 U	5.41 U	2.91 U	3.28 U
PCB-072	ng/kg	2.76 U	2.24 U	2.89 U	4.97 U	2.48 U	3.15 U
PCB-077	ng/kg	3.78 U	5.50 J	2.98 U	6.29 J	3.40 U	3.83 U
PCB-078	ng/kg	3.47 U	2.64 U	3.05 U	5.75 U	3.12 U	3.52 U

Table 4. Soil Analytical Results
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Location		SB-03	SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID		SB-03-09-11-250211	SB-03-11-13-250211	SB-03-13-15-250211	SB-03-15-17-250211	SB-03-17-19-250211	SB-03-19-21-250211
Lab Sample ID		10723702011	10723702012	10723702013	10723702014	10723702015	10723702016
Sample Date		02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025
Sample Depth (feet below ground surface)		9.0-11.0	11.0-13.0	13.0-15.0	15.0-17.0	17.0-19.0	19.0-21.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Primary	Primary	Primary
PCB-079	ng/kg	3.51 U	2.66 U	2.76 U	5.78 J	3.16 U	3.55 U
PCB-080	ng/kg	2.13 U	2.07 U	2.67 U	5.03 U	1.92 U	2.88 U
PCB-081	ng/kg	2.81 U	2.13 U	2.57 U	4.16 U	2.53 U	3.07 U
PCB-082	ng/kg	9.38 J	10.0 J	6.90 U	39.4	7.88 U	8.87 U
PCB-083	ng/kg	11.8 J	4.43 J	3.40 J	59.8	5.36 J	3.61 U
PCB-084	ng/kg	38.9	22.9	14.0 J	156	18.8 J	22.8 J
PCB-085/116/117	ng/kg	9.49 J	13.6 J	9.17 J	78.9 J	7.92 U	9.13 J
PCB-086/087/097/108/119/125	ng/kg	38.8 J	55.2 J	48.4 J	678	23.8 J	32.5 J
PCB-088/091	ng/kg	15.5 J	11.7 J	6.60 J	49.3 J	8.48 J	11.4 J
PCB-089	ng/kg	4.03 U	3.06 U	3.17 U	3.64 U	3.63 U	4.08 U
PCB-090/101/113	ng/kg	191	101	144	3970	93.6	146
PCB-092	ng/kg	35.5	3.38 U	17.9 J	4.03 U	17.3 J	23.7 J
PCB-093/098/100/102	ng/kg	11.4 U	8.65 U	8.97 U	10.3 U	10.2 U	11.5 U
PCB-094	ng/kg	2.69 U	2.04 U	2.12 U	2.43 U	2.42 U	2.72 U
PCB-095	ng/kg	471	88.9	100	3060	223	215
PCB-096	ng/kg	5.06 U	3.84 U	3.99 U	4.58 U	4.55 U	5.13 U
PCB-099	ng/kg	21 J	31.2	23.3	226	11.2 J	15.9 J
PCB-103	ng/kg	3.86 U	2.93 U	3.04 U	10.7 J	3.48 U	3.91 U
PCB-104	ng/kg	3.44 U	2.61 U	2.71 U	3.11 U	3.09 U	3.48 U
PCB-105	ng/kg	12.7 J	31.8	25.4	244	9.88 J	12.1 J
PCB-106	ng/kg	3.11 U	2.41 U	2.69 U	4.61 U	2.79 U	3.57 U
PCB107/124	ng/kg	5.3 U	4.18 J	4.17 U	33.1 J	4.77 U	5.37 U
PCB-109	ng/kg	4.1 U	6.05 J	3.36 J	44.0	3.69 U	4.15 U
PCB-110/115	ng/kg	221	109	97.8	2100	101	122
PCB-111	ng/kg	3.17 U	2.40 U	2.49 U	2.86 U	2.85 U	3.20 U
PCB-112	ng/kg	3.22 U	2.45 U	2.54 U	2.92 U	2.90 U	3.26 U
PCB-114	ng/kg	2.85 U	2.16 U	2.33 U	11.2 J	2.56 U	3.56 U
PCB-118	ng/kg	37.6 J	70.6	66.1	1110	26.8 J	38.9 J
PCB-120	ng/kg	3.37 U	2.56 U	2.65 U	3.04 U	3.03 U	3.41 U
PCB-121	ng/kg	2.85 U	2.16 U	2.24 U	2.57 U	2.56 U	2.88 U
PCB-122	ng/kg	4.66 U	3.54 U	3.67 U	5.65 J	4.19 U	4.72 U
PCB-123	ng/kg	3.3 U	2.50 U	2.60 U	10.8 J	2.96 U	3.65 U
PCB-126	ng/kg	2.99 U	2.27 U	2.54 U	3.92 U	2.69 U	3.76 U
PCB-127	ng/kg	3.33 U	2.53 U	2.62 U	4.39 U	3.00 U	3.46 U
PCB-128/166	ng/kg	106	24.1 J	25.1 J	776 U	51.4 J	47.5 J
PCB-129/138/163	ng/kg	1600	289	391	18900	680	709
PCB-130	ng/kg	55.9	12.6 J	11.7 J	419	27.7	27.1 J
PCB-131	ng/kg	11.5 J	2.97 U	3.08 U	91.9	5.59 J	4.63 J
PCB-132	ng/kg	588	88.0	112	4650	277	229
PCB-133	ng/kg	19.6 J	3.89 J	3.56 J	163	10.6 J	8.10 J
PCB-134/143	ng/kg	74.6	12.8 J	15.5 J	826	35.9 J	29.9 J
PCB-135/151	ng/kg	984	127	181	8270	454	412
PCB-136	ng/kg	310	41.3	59.0	2410	144	120
PCB-137	ng/kg	8.87 J	5.49 J	3.67 J	3.28 U	4.99 J	6.06 J
PCB-139/140	ng/kg	5.24 U	3.98 U	4.13 U	26.0 J	4.71 U	5.31 U
PCB-141	ng/kg	447	75.6	112	5240	194	188
PCB-142	ng/kg	3.47 U	2.64 U	2.74 U	3.21 U	3.12 U	3.52 U
PCB-144	ng/kg	135	17.5 J	25.1	1070	58.5	49.0
PCB-145	ng/kg	3.12 U	2.37 U	2.46 U	3.98 U	2.80 U	3.16 U
PCB-146	ng/kg	252	45.7	53.4	3.75 U	117	105
PCB-147/149	ng/kg	1950	280	385	16100	929	783
PCB-148	ng/kg	6.5 U	4.93 U	5.12 U	6.38 U	5.84 U	6.58 U
PCB-150	ng/kg	3.51 U	2.66 U	2.76 U	3.51 U	3.16 U	3.55 U
PCB-152	ng/kg	3.82 U	2.90 U	3.01 U	4.48 U	3.43 U	3.87 U
PCB-153/168	ng/kg	1680	309	443	21000	718	722
PCB-154	ng/kg	3.94 U	2.99 U	3.10 U	25.1 J	3.54 U	3.99 U
PCB-155	ng/kg	3.53 U	2.68 U	2.78 U	2.87 U	3.18 U	3.58 U
PCB-156/157	ng/kg	41.8 J	18.2 J	24.5 J	948	19.0 J	29.4 J
PCB-158	ng/kg	130	22.6	32.4	1290	57.7	55.6
PCB-159	ng/kg	25 J	4.34 J	6.02 J	51.3	13.6 J	11.6 J
PCB-160	ng/kg	3.38 U	2.56 U	2.66 U	2.81 U	3.04 U	3.42 U
PCB-161	ng/kg	2.71 U	2.06 U	2.14 U	1860	2.44 U	2.75 U
PCB-162	ng/kg	3.03 U	2.3 U	2.94 U	12.0 J	2.73 U	3.07 U
PCB-164	ng/kg	145	20.5 J	26.3	1090	67.4	54.6
PCB-165	ng/kg	2.51 U	1.91 U	1.98 U	51.2	2.26 U	2.54 U
PCB-167	ng/kg	35.3	8.49 J	10.0 J	316	17.8 J	17.3 J
PCB-169	ng/kg	3.84 U	2.92 U	3.02 U	13.5 J	3.45 U	3.89 U
PCB-170	ng/kg	997	126	172	8600	484	409
PCB-171/173	ng/kg	326	43.8 J	60.2	2840	158	127
PCB-172	ng/kg	180	31.2	40.5	1580	93.2	78.8
PCB-174	ng/kg	1240	192	246	11100	621	503
PCB-175	ng/kg	44.2	7.67 J	9.55 J	376	23.8 J	19.5 J

Table 4. Soil Analytical Results
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Location		SB-03	SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID		SB-03-09-11-250211	SB-03-11-13-250211	SB-03-13-15-250211	SB-03-15-17-250211	SB-03-17-19-250211	SB-03-19-21-250211
Lab Sample ID		10723702011	10723702012	10723702013	10723702014	10723702015	10723702016
Sample Date		02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025
Sample Depth (feet below ground surface)		9.0-11.0	11.0-13.0	13.0-15.0	15.0-17.0	17.0-19.0	19.0-21.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Primary	Primary	Primary
PCB-176	ng/kg	155	22.6	32.4	1180	74.6	58.5
PCB-177	ng/kg	710	100	140	6320	365	286
PCB-178	ng/kg	234	39.8	47.8	1770	111	99.5
PCB-179	ng/kg	534	82.8	107	3940	249	203
PCB-180/193	ng/kg	2550	412	515	23600	1240	1010
PCB-181	ng/kg	3.41 U	2.59 U	2.69 U	13.6 J	3.07 U	3.46 U
PCB-182	ng/kg	3.81 U	2.89 U	3.00 U	3.44 U	3.42 U	3.85 U
PCB-183/185	ng/kg	853	149	186	7750	434	333
PCB-184	ng/kg	3.25 U	2.47 U	2.56 U	2.94 U	2.92 U	3.29 U
PCB-186	ng/kg	3.46 U	2.63 U	2.73 U	3.13 U	3.11 U	3.50 U
PCB-187	ng/kg	1350	237	286	10400	642	615
PCB-188	ng/kg	2.6 U	1.97 U	2.04 U	2.35 U	2.33 U	2.63 U
PCB-189	ng/kg	30.6	5.19 J	7.70 J	236	14.6 J	14.5 J
PCB-190	ng/kg	218	28.8	38.1	1800	104	93.2
PCB-191	ng/kg	41.2	6.22 J	7.97 J	358	20.4 J	16.2 J
PCB-192	ng/kg	3.35 U	2.55 U	2.64 U	3.74 U	3.02 U	3.40 U
PCB-194	ng/kg	595	115	140	4520	288	257
PCB-195	ng/kg	251	42.7	50.9	1970	124	112
PCB-196	ng/kg	321	70.2	78.7	2270	154	138
PCB-197/200	ng/kg	105	25.3 J	27.6 J	752	51.1 J	47.2 J
PCB-198/199	ng/kg	642	155	166	4360	302	292
PCB-201	ng/kg	82.4	21.7 J	24.1	587	41.3	33.7
PCB-202	ng/kg	116	32.5	33.5	744	52.0	50.3
PCB-203	ng/kg	379	91.3	100	2520	177	185
PCB-204	ng/kg	2.71 U	2.06 U	2.14 U	2.45 U	2.44 U	2.75 U
PCB-205	ng/kg	28.6 J	7.31 J	6.82 J	224	16.1 J	13.1 J
PCB-206	ng/kg	166	76.6	68.0	895	80.8	82.0
PCB-207	ng/kg	22.8 J	11.6 J	9.78 J	139	12.0 J	10.0 J
PCB-208	ng/kg	35.1	21.7 J	16.0 J	139	16.8 J	19.6 J
PCB-209	ng/kg	33	40.1	20.2 J	18.5 J	18.8 J	27.4 J

Table 4. Soil Analytical Results
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Location		SB-03	SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID		SB-03-21-23-250211	SB-03-23-25-250211	SB-03-25-27-250211	SB-03-FD-250211	SB-03-27-29-250211	SB-03-29-31-250211
Lab Sample ID		10723702017	10723702018	10723702019	10723702020	10723702021	10723702022
Sample Date		02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025
Sample Depth (feet below ground surface)		21.0-23.0	23.0-25.0	25.0-27.0	25.0-27.0	27.0-29.0	29.0-31.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Duplicate	Primary	Primary
Analyte	Unit						
PHSS Total PCBs							
Sediment CUL	9 ug/kg						
PHSS Total PCBs							
Sediment Site-wide							
RAL	75 ug/kg						
PHSS Total PCBs							
Sediment PTW							
Threshold	200 ug/kg						
Percent Moisture	%	16.7	16.5	17.6	16.4	25.4	66.9
Total PCB Congeners	ug/kg	82.9 J	398 J	666 J	691 J	292 J	110 J
Total PCB Congeners	ng/kg	82,900 J	398,000 J	666,000 J	691,000 J	292,000 J	110,000 J
PCB-001	ng/kg	31.3 U	40.7 U	36.6	49.2 U	29.3 U	29.8 U
PCB-002	ng/kg	32.4 U	45.9 U	39.4 U	45.3 U	34.6 U	32.9 U
PCB-003	ng/kg	29.9 U	48.4 U	38.5 U	38.7 U	31.6 U	30.4 U
PCB-004	ng/kg	116 U	68.8 U	113 U	78.5 U	34.6 U	152 U
PCB-005	ng/kg	27.8 U	36.7 U	44.1 U	23.6 U	19.6 U	58.8 U
PCB-006	ng/kg	24.5 U	33.0 U	39.6 U	31.0	17.1 J	48.1 U
PCB-007	ng/kg	23.5 U	31.2 U	37.5 U	20.1 U	16.6 U	46.2 U
PCB-008	ng/kg	27.5 J	77.7	167	134	73.9	43.7 U
PCB-009	ng/kg	25.5 U	29.2 U	40.5 U	24.4 U	13.1 U	33.7 U
PCB-010	ng/kg	51.9 U	24.6 U	58.2 U	45.2 U	18.8 U	66.2 U
PCB-011	ng/kg	288 U	257 U	276 U	214 U	208 U	710 U
PCB-012/013	ng/kg	24.8 U	33.6 U	40.3 U	19.7 U	17.6 U	55.5 U
PCB-014	ng/kg	24.1 U	32.8 U	39.3 U	21.9 U	16.9 U	50.7 U
PCB-015	ng/kg	21.8 U	39.4	55.8	73.5	32.1	50.0 U
PCB-016	ng/kg	13.6 J	7.47 U	38.3	46.6	21.0 J	20.6 U
PCB-017	ng/kg	15.7 J	27.0	37.1 J	51.4 J	23.9	23.1 U
PCB-018/030	ng/kg	32.6 J	69.0	90.5 J	134 J	58.1	51.8 U
PCB-019	ng/kg	8.16 U	10.4 U	12.6 U	12.4 J	4.60 U	14.0 U
PCB-020/028	ng/kg	54.5 J	118 J	180	193	96.9 J	81.8 J
PCB-021/033	ng/kg	28.9 J	71.8 J	97.7 J	103 J	53.0 J	53.9 J
PCB-022	ng/kg	20.6 J	47.2 J	61.6 J	73.4 J	33.4 J	36.2 U
PCB-023	ng/kg	7.14 U	9.72 U	7.05 U	7.30 U	5.60 U	13.9 U
PCB-024	ng/kg	5.00 U	4.13 U	4.43 U	3.11 U	3.33 U	11.4 U
PCB-025	ng/kg	7.16 U	11.4 J	9.48 J	11.2 J	7.60 J	14.2 U
PCB-026/029	ng/kg	7.51 U	21.5 J	26.2 J	25.2 J	13.9 J	18.5 U
PCB-027	ng/kg	5.67 U	5.06 U	5.44 U	3.58 U	4.08 U	14.0 U
PCB-031	ng/kg	48.1 J	128 J	176	209	101 J	75.0 J
PCB-032	ng/kg	9.16 U	26.8	31.1	31.8	19.5 J	22.5 U
PCB-034	ng/kg	7.12 U	9.95 U	7.41 U	7.74 U	5.64 U	14.6 U
PCB-035	ng/kg	7.45 U	10.1 U	10.4 J	12.1 J	5.76 U	17.1 U
PCB-036	ng/kg	7.04 U	9.59 U	7.51 U	7.19 U	5.40 U	14.8 U
PCB-037	ng/kg	11.2 J	29.0 J	39 J	46.2 J	23.1 J	17.2 U
PCB-038	ng/kg	7.12 U	9.69 U	7.54 U	7.44 U	5.35 U	14.9 U
PCB-039	ng/kg	6.69 U	9.12 U	7.17 U	7.47 U	5.06 U	14.1 U
PCB-040/041/071	ng/kg	32.8 J	84.4	105	131	58.7 J	40.3 U
PCB-042	ng/kg	16.9 J	39.5	48.3	70.3	28.2 J	16.0 U
PCB-043/73	ng/kg	13.3 U	11.9 U	12.8 U	10.9 U	9.57 U	32.7 U
PCB-044/047/065	ng/kg	102	294	374	488	196	125 J
PCB-045/051	ng/kg	12.2 U	20.6 J	24.1 J	29.7 J	13.3 J	30.1 U
PCB-046	ng/kg	4.10 U	5.99 J	7.67 J	8.00 J	4.73 J	10.1 U
PCB-048	ng/kg	11.8 J	25.5 J	32.7	45.7	18.9 J	14.9 J
PCB-049/069	ng/kg	58.8 J	169	210	250	116	68.9 J
PCB-050/053	ng/kg	9.88 U	21.4 J	25.4 J	29.3 J	14.5 J	24.3 U
PCB-052	ng/kg	280	1020	1350	1920	691	369 J
PCB-054	ng/kg	2.90 U	4.43 U	4.12 U	2.93 U	3.76 U	7.12 U
PCB-055	ng/kg	4.98 U	6.26 U	4.84 U	6.02 U	5.39 U	12.4 U
PCB-056	ng/kg	30.8	94.6	150	148	72.7	44.0 J
PCB-057	ng/kg	4.77 U	6.00 U	4.68 U	5.86 U	4.70 U	12.0 U
PCB-058	ng/kg	4.79 U	6.03 U	4.73 U	6.04 U	5.26 U	12.1 U
PCB-059/062/075	ng/kg	6.92 U	9.66 J	10.7 J	11.9 J	6.62 J	17.0 U
PCB-060	ng/kg	14.6 J	46.2	65.5	76.0	31.7	18.4 J
PCB-061/070/074/076	ng/kg	191	652	975	929	471	227 J
PCB-063	ng/kg	4.63 U	9.26 J	13.0 J	12.4 J	6.51 J	11.5 U
PCB-064	ng/kg	35.6	98.3	124	146	69.6	72.4 U
PCB-066	ng/kg	65.2 J	201	334	349	162	84.9 J
PCB-067	ng/kg	4.31 U	5.98 J	9.91 J	7.20 J	4.79 U	11.0 U
PCB-068	ng/kg	4.60 U	5.79 U	5.38 J	5.64 U	4.96 U	11.4 U
PCB-072	ng/kg	4.59 U	5.89 U	3.84 U	5.63 U	4.71 U	11.3 U
PCB-077	ng/kg	4.87 U	12.5 J	16.4 J	20.6 J	9.27 J	16.3 U
PCB-078	ng/kg	4.89 U	6.14 U	5.09 U	6.52 U	5.66 U	13.0 U

Table 4. Soil Analytical Results
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Location		SB-03	SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID		SB-03-21-23-250211	SB-03-23-25-250211	SB-03-25-27-250211	SB-03-FD-250211	SB-03-27-29-250211	SB-03-29-31-250211
Lab Sample ID		10723702017	10723702018	10723702019	10723702020	10723702021	10723702022
Sample Date		02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025
Sample Depth (feet below ground surface)		21.0-23.0	23.0-25.0	25.0-27.0	25.0-27.0	27.0-29.0	29.0-31.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Duplicate	Primary	Primary
PCB-079	ng/kg	4.81 J	6.56 J	11.7 J	78.8 J	8.02 J	11.3 U
PCB-080	ng/kg	4.2 U	5.28 U	4.14 U	4.73 U	4.60 U	10.6 U
PCB-081	ng/kg	4.36 U	5.07 U	3.92 U	4.96 J	4.08 U	13.5 U
PCB-082	ng/kg	27.0 J	105	158 J	275 J	50.8	28.6 J
PCB-083	ng/kg	30.4	116	152 J	287 J	84.4	40.9 J
PCB-084	ng/kg	93.2	349	532	534	270	120
PCB-085/116/117	ng/kg	39.6 J	143	232	306	103	47.8 J
PCB-086/087/097/108/119/125	ng/kg	359	1460	2420	2860	1100	438
PCB-088/091	ng/kg	32.5 J	102	155	172	75.7	35.3 J
PCB-089	ng/kg	4.00 U	6.22 J	9.93 J	3.59 UJ	4.48 J	9.85 U
PCB-090/101/113	ng/kg	2190	8980	14300	17400	6990	2830
PCB-092	ng/kg	239	972	1590 J	3.41 UJ	3.19 U	309
PCB-093/098/100/102	ng/kg	11.3 U	25.7 J	36.1 J	16.3 J	21.5 J	27.8 U
PCB-094	ng/kg	2.67 U	3.89 J	4.59 U	2.96 U	1.92 U	6.57 U
PCB-095	ng/kg	1700	7050	11000	14900	5110	2230
PCB-096	ng/kg	5.03 U	4.49 U	5.50 J	6.57 J	3.62 U	12.4 U
PCB-099	ng/kg	140	516	932	1200	424	166
PCB-103	ng/kg	9.08 J	22.1 J	54.9	62.4	25.9	11.8 J
PCB-104	ng/kg	3.41 U	3.05 U	3.27 U	2.53 U	2.46 U	8.40 U
PCB-105	ng/kg	109	537	951	935	393	167
PCB-106	ng/kg	5.09 J	6.87 U	27.8 U	13.3 U	5.05 U	7.59 U
PCB107/124	ng/kg	14.2 J	60.3	105	114	49.1	18.0 J
PCB-109	ng/kg	20.4 J	89.7	163	161	65.4	24.2 J
PCB-110/115	ng/kg	1070	4530	7450	9180	3320	1290
PCB-111	ng/kg	3.14 U	2.81 U	3.01 U	2.94 U	2.26 U	7.73 U
PCB-112	ng/kg	3.20 U	2.86 U	3.07 U	3.86 U	2.30 U	7.88 U
PCB-114	ng/kg	9.84 J	31.2	43.8	53.0	19.1 J	6.95 U
PCB-118	ng/kg	477	2240	3920	4740	1670	646
PCB-120	ng/kg	3.34 U	5.10 J	10.8 J	12.7 U	3.80 J	8.22 U
PCB-121	ng/kg	2.83 U	2.52 U	3.10 U	3.37 U	2.03 U	6.95 U
PCB-122	ng/kg	4.63 U	12.6 J	30.3 U	36.1	9.19 J	11.4 U
PCB-123	ng/kg	3.27 U	18.9 J	33.8	25.7	13.0 J	8.05 U
PCB-126	ng/kg	3.41 U	6.62 U	27.1 U	11.2 U	5.21 U	7.30 U
PCB-127	ng/kg	3.31 U	6.66 U	27.8 U	13.2 U	5.05 U	8.14 U
PCB-128/166	ng/kg	337	1510	2530	2860	1100	380
PCB-129/138/163	ng/kg	6880	34600	57500	60900	24500	8840
PCB-130	ng/kg	174	837	1350	1440	597	217
PCB-131	ng/kg	35.1	163	269	280	124	40.2 J
PCB-132	ng/kg	1850	8860	15100	16000	6730	2400
PCB-133	ng/kg	69.3	306	521	552	230	87.0
PCB-134/143	ng/kg	255	1180	2000	2060	926	320
PCB-135/151	ng/kg	3320	14200	23600	18500	9120	3750
PCB-136	ng/kg	1070	4410	7470	5720	3050	1260
PCB-137	ng/kg	31.6	105	179 J	130 J	56.5	23.7 U
PCB-139/140	ng/kg	9.87 J	36.5 J	70.1	67.8	34.2 J	22.2 U
PCB-141	ng/kg	1950	9860	16700	17700	7270	2640
PCB-142	ng/kg	9.46 U	5.65 U	50.7 U	28.3 U	6.96 U	12.0 U
PCB-144	ng/kg	462	546	3110	2780	1420	11.7 U
PCB-145	ng/kg	3.10 U	2.76 U	2.97 U	2.30 U	2.23 U	7.62 U
PCB-146	ng/kg	864	4070	6880	7320	3070	1110
PCB-147/149	ng/kg	6740	32000	54900	56100	25100	8840
PCB-148	ng/kg	6.45 U	5.76 U	7.39 J	6.47 J	4.64 U	15.9 U
PCB-150	ng/kg	3.48 U	3.11 U	4.74 J	3.55 J	2.64 J	8.57 U
PCB-152	ng/kg	3.79 U	3.38 U	3.63 U	2.82 U	2.73 U	9.32 U
PCB-153/168	ng/kg	7700	38700	63500	69000	28100	10000
PCB-154	ng/kg	9.27 J	34.8	70.2 J	39.9 J	21.8 J	9.61 U
PCB-155	ng/kg	3.51 U	3.13 U	3.36 U	2.61 U	2.52 U	8.63 U
PCB-156/157	ng/kg	384	1850	3010	3470	1390	511
PCB-158	ng/kg	526	2600	4360	4600	1830	705
PCB-159	ng/kg	108	553	984	946	302	196
PCB-160	ng/kg	6.41 U	3.83 U	34.5 U	19.3 U	4.73 U	17.9 U
PCB-161	ng/kg	6.48 U	3.87 U	34.8 U	19.4 U	4.77 U	18.0 U
PCB-162	ng/kg	6.62 J	28.2	36.9	39.3	18.2 J	9.67 U
PCB-164	ng/kg	431	2110	3530	3870	1550	612
PCB-165	ng/kg	6.88 U	103	173 J	20.3 UJ	4.99 U	18.8 U
PCB-167	ng/kg	135	614	1050	1180	489	173
PCB-169	ng/kg	8.34 J	30.9 J	42.6 J	45.3 J	21.9 J	9.38 U
PCB-170	ng/kg	3550	18000	29900	35200	13300	4870
PCB-171/173	ng/kg	1090	5640	9320	11100	4190	1580
PCB-172	ng/kg	636	3190	5210 J	74.4 J	2350	926
PCB-174	ng/kg	4230	22400	35900	43100	15900	5770
PCB-175	ng/kg	162	774	1280	1300	535	210

Table 4. Soil Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

Location		SB-03	SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID		SB-03-21-23-250211	SB-03-23-25-250211	SB-03-25-27-250211	SB-03-FD-250211	SB-03-27-29-250211	SB-03-29-31-250211
Lab Sample ID		10723702017	10723702018	10723702019	10723702020	10723702021	10723702022
Sample Date		02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025
Sample Depth (feet below ground surface)		21.0-23.0	23.0-25.0	25.0-27.0	25.0-27.0	27.0-29.0	29.0-31.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Duplicate	Primary	Primary
PCB-176	ng/kg	521	2540	4240	4150	1770	669
PCB-177	ng/kg	2310	12100	20200	24200	9120	3410
PCB-178	ng/kg	741	3650	6100	6150	2510	953
PCB-179	ng/kg	1690	8120	13700	13500	5810	2170
PCB-180/193	ng/kg	9100	46500	78600	92200	34600	12900
PCB-181	ng/kg	6.30 J	28.2	50.2	62.7	21.1 J	12.2 U
PCB-182	ng/kg	3.78 U	3.37 U	3.62 U	2.81 U	2.72 U	9.30 U
PCB-183/185	ng/kg	2900	15000	25600	30200	11700	4310
PCB-184	ng/kg	3.23 U	2.88 U	3.09 U	2.40 U	2.32 U	7.93 U
PCB-186	ng/kg	3.44 U	3.07 U	3.29 U	2.55 U	2.47 U	8.46 U
PCB-187	ng/kg	4550	22400	37000 J	19.4 J	15100	5670
PCB-188	ng/kg	2.58 U	2.30 U	2.47 U	1.91 U	1.93 U	6.34 U
PCB-189	ng/kg	105	505	827	914	378	140
PCB-190	ng/kg	783	3810	6570	7570	2910	1090
PCB-191	ng/kg	147	729	1220	1420	576	210
PCB-192	ng/kg	3.33 U	6.45 U	4.83 UJ	4880 J	5.20 U	10.2 U
PCB-194	ng/kg	2000	9710	16500	20300	7840	2980
PCB-195	ng/kg	866	4210	6960	8670	3340	1300
PCB-196	ng/kg	1100	5070	8840	9270	3620	1460
PCB-197/200	ng/kg	350	1640	2750	2950	1180	463
PCB-198/199	ng/kg	2060	9520	16600	17500	6830	2730
PCB-201	ng/kg	263	1280	2090	2260	882	352
PCB-202	ng/kg	337	1580	2700	3050	1240	502
PCB-203	ng/kg	1240	5690	9960	10300	3990	1640
PCB-204	ng/kg	2.70 U	2.41 U	2.58 U	2.00 U	2.09 U	6.63 U
PCB-205	ng/kg	102	483	805	923	365	145
PCB-206	ng/kg	406	1860	3070	3400	1440	576
PCB-207	ng/kg	61.8	268	477	528	224	87.9
PCB-208	ng/kg	68.3	280	511	561	235	94.8
PCB-209	ng/kg	19.8 J	30.3	45.2	44.7 J	22.0	11.2 U

Table 4. Soil Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

Location		SB-03	SB-03	SB-04	SB-04	SB-04	SB-04
Sample ID		SB-03-31-33-250211	SB-03-37-39-250211	SB-04-06-08-250207	SB-04-08-10-250207	SB-04-17-19-250207	SB-04-19-20-250207
Lab Sample ID		10723702024	10723702023	10723332016	10723332017	10723332018	10723332019
Sample Date		02/11/2025	02/11/2025	02/07/2025	02/07/2025	02/07/2025	02/07/2025
Sample Depth (feet below ground surface)		31.0-33.0	37.0-39.0	6.5-8.0	8.0-10.0	17.0-19.5	19.5-20.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Primary	Primary	Primary
Analyte	Unit						
PHSS Total PCBs							
Sediment CUL	9 ug/kg						
PHSS Total PCBs							
Sediment Site-wide							
RAL	75 ug/kg						
PHSS Total PCBs							
Sediment PTW							
Threshold	200 ug/kg						
Percent Moisture	%	28.5	43.0	11.8	11.3	12.1	55.2
Total PCB Congeners	ug/kg	293 J	0.951 J	4.44 J	1.14 J	4.11 J	2.85 J
Total PCB Congeners	ng/kg	293,000 J	951 J	4,440 J	1,140 J	4,110 J	2,850 J
PCB-001	ng/kg	45.9	5.01 U	2.36 U	4.37 U	3.62 U	7.92 U
PCB-002	ng/kg	12.5 U	5.27 U	3.56 J	6.10 U	5.05 U	11.1 U
PCB-003	ng/kg	14.2 U	5.28 U	4.27 J	7.82 U	6.46 U	14.2 U
PCB-004	ng/kg	26.3 U	17.4 U	2.66 U	6.70 U	6.48 J	10.5 U
PCB-005	ng/kg	14.9 U	7.09 U	2.25 U	3.29 U	2.72 U	6.46 U
PCB-006	ng/kg	16.9 J	6.38 U	2.07 J	3.21 J	2.90 J	6.31 J
PCB-007	ng/kg	9.11 U	6.04 U	1.95 U	2.87 U	2.37 U	5.89 U
PCB-008	ng/kg	74.4	9.59 U	13.9 U	25.8 U	21.3 U	46.7 U
PCB-009	ng/kg	11.9 U	6.58 U	2.20 U	3.38 U	2.80 U	6.34 U
PCB-010	ng/kg	17.8 U	10.4 U	2.15 U	3.98 U	3.29 U	7.21 U
PCB-011	ng/kg	264 U	343 U	152 J+	253 U	210 J+	530 J+
PCB-012/013	ng/kg	13.4 U	9.82 U	3.3 U	6.09 U	5.04 U	11.0 U
PCB-014	ng/kg	12.9 U	6.33 U	2.13 U	3.06 U	2.53 U	6.24 U
PCB-015	ng/kg	32.9 J	9.13 U	8.05 J	6.25 J	9.85 J	15.9 J
PCB-016	ng/kg	26.9	9.96 U	7.29 J	7.32 J	7.84 J	21.6 J
PCB-017	ng/kg	26.6 J	11.2 U	6.90 J	8.87 J	7.27 J	16.1 J
PCB-018/030	ng/kg	55.4	25.1 U	13.2 J	14.6 J	13.6 J	26.4 J
PCB-019	ng/kg	5.75 J	3.89 U	2.78 J	4.07 U	3.90 U	13.3 U
PCB-020/028	ng/kg	96.5 J	37.5 U	32.2 J	34.4 J	41.0 J	76.2 J
PCB-021/033	ng/kg	56.5 J	20.6 U	14.1 J	19.1 U	19.7 J	42.7 J
PCB-022	ng/kg	34.5 J	17.5 U	10.8 J	16.1 U	14.2 J	29.2 U
PCB-023	ng/kg	4.41 U	3.91 U	2.14 U	3.48 U	2.87 U	6.30 U
PCB-024	ng/kg	4.24 U	5.50 U	1.99 U	3.67 U	3.04 U	7.92 U
PCB-025	ng/kg	7.28 J	4.87 U	3.55 J	3.81 U	3.15 U	6.90 U
PCB-026/029	ng/kg	14.5 J	8.94 U	5.69 J	7.55 U	6.24 U	13.7 U
PCB-027	ng/kg	5.2 U	6.75 U	2.28 U	4.22 U	3.49 U	7.64 U
PCB-031	ng/kg	99.6 J	31.8 U	25.0 J	28.2 U	32.7 J	65.2 J
PCB-032	ng/kg	16.2 J	10.9 U	6.06 J	7.38 J	6.95 J	15.7 J
PCB-034	ng/kg	4.44 U	4.29 U	2.26 U	3.53 U	2.92 U	6.39 U
PCB-035	ng/kg	6.76 J	5.62 J	13.9 U	25.8 U	21.3 U	46.7 U
PCB-036	ng/kg	4.25 U	3.87 U	2.15 U	3.25 U	2.69 U	5.89 U
PCB-037	ng/kg	24 J	8.31 U	29.6 U	8.57 U	45.2 U	99.0 U
PCB-038	ng/kg	4.21 U	3.31 U	2.17 U	3.02 U	2.50 U	5.48 U
PCB-039	ng/kg	3.99 U	4.33 U	2.22 U	3.58 U	2.96 U	6.48 U
PCB-040/041/071	ng/kg	75.9 J	19.5 U	22.8 J	13.1 U	23.2 J	30.5 J
PCB-042	ng/kg	33.5	7.76 U	9.70 J	7.36 U	11.1 J	13.3 U
PCB-043/73	ng/kg	12.2 U	15.8 U	6.97 U	12.9 U	10.7 U	23.4 U
PCB-044/047/065	ng/kg	267	29.4 U	42.4 J+	27.8 U	63.9 U	140 U
PCB-045/051	ng/kg	22.2 J	14.6 U	12.7 J	10.0 J	13.9 J	16.0 J
PCB-046	ng/kg	5.6 J	4.87 U	3.61 J	3.68 U	4.25 J	6.67 U
PCB-048	ng/kg	23.4 J	5.94 U	5.89 J	4.74 J	6.90 J	11.7 J
PCB-049/069	ng/kg	169	15.5 U	22.7 J	13.4 U	21.7 J	24.6 J
PCB-050/053	ng/kg	16.6 J	11.8 U	9.60 J	7.18 U	8.69 J	13.0 U
PCB-052	ng/kg	885	32.4 U	82.8 J+	133 U	110 U	241 U
PCB-054	ng/kg	2.65 U	3.45 U	2.10 U	3.45 U	2.86 U	6.26 U
PCB-055	ng/kg	7.24 U	4.71 U	2.14 U	3.78 U	3.13 U	6.86 U
PCB-056	ng/kg	70.8	8.43 J	14.6 J+	8.45 U	21.3 U	46.7 U
PCB-057	ng/kg	7.17 U	3.57 U	2.02 U	3.43 U	2.84 U	6.22 U
PCB-058	ng/kg	7.01 U	3.05 U	4.64 J	3.06 U	2.53 U	5.97 U
PCB-059/062/075	ng/kg	6.34 U	8.24 U	5.49 U	10.1 U	8.39 U	18.4 U
PCB-060	ng/kg	31.5	8.07 U	7.48 J	6.89 U	9.56 J	12.8 J
PCB-061/070/074/076	ng/kg	515	140 U	62.6 J+	103 U	85.3 U	187 U
PCB-063	ng/kg	6.76 U	3.75 U	2.08 J	2.99 U	2.47 U	5.84 U
PCB-064	ng/kg	89.8	35.0 U	20.7 J+	10.5 U	21.3 J+	46.7 U
PCB-066	ng/kg	155	20.4 U	32.9	18.0 U	35.4 J	43.3 J
PCB-067	ng/kg	6.45 U	3.42 U	1.69 U	3.12 U	2.58 U	5.66 U
PCB-068	ng/kg	6.75 U	3.82 U	1.86 U	2.83 U	2.34 U	5.57 U
PCB-072	ng/kg	6.74 U	3.26 U	1.90 U	2.83 U	2.34 U	5.64 U
PCB-077	ng/kg	9.18 U	4.47 U	7.25 J	3.43 U	5.81 J	8.32 U
PCB-078	ng/kg	7.16 U	4.10 U	2.30 U	3.00 U	2.48 U	6.42 U

Table 4. Soil Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

Location		SB-03	SB-03	SB-04	SB-04	SB-04	SB-04
Sample ID		SB-03-31-33-250211	SB-03-37-39-250211	SB-04-06-08-250207	SB-04-08-10-250207	SB-04-17-19-250207	SB-04-19-20-250207
Lab Sample ID		10723702024	10723702023	10723332016	10723332017	10723332018	10723332019
Sample Date		02/11/2025	02/11/2025	02/07/2025	02/07/2025	02/07/2025	02/07/2025
Sample Depth (feet below ground surface)		31.0-33.0	37.0-39.0	6.5-8.0	8.0-10.0	17.0-19.5	19.5-20.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Primary	Primary	Primary
PCB-079	ng/kg	6.36 U	4.15 U	1.89 U	2.71 U	2.24 U	5.22 U
PCB-080	ng/kg	6.23 U	2.52 U	1.61 U	2.43 U	2.01 U	4.70 U
PCB-081	ng/kg	8.71 U	3.32 U	1.83 U	2.90 U	2.40 U	5.94 U
PCB-082	ng/kg	93.4	10.4 U	17.1	7.93 U	14.1 J	14.4 U
PCB-083	ng/kg	98.2	4.22 U	11.4 J	4.31 U	10.5 J	7.81 U
PCB-084	ng/kg	356	6.32 U	38.4	6.26 J	30.7	14.8 J
PCB-085/116/117	ng/kg	133	10.4 U	21.3 J	10.4 U	19.3 J	18.9 U
PCB-086/087/097/108/119/125	ng/kg	1270	19.0 U	79.6 J	20.1 U	70.5 J	36.4 U
PCB-088/091	ng/kg	98.5	9.34 U	23.0 J	6.95 U	18.8 J	12.6 U
PCB-089	ng/kg	3.66 U	4.76 U	2.83 U	4.24 U	3.50 U	7.68 U
PCB-090/101/113	ng/kg	8470	18.6 J	113	24.5 J	104	50.3 J
PCB-092	ng/kg	4.05 U	5.27 U	30.7	5.30 J	28.2	7.29 U
PCB-093/098/100/102	ng/kg	55.8 J	13.5 U	7.81 U	14.4 U	11.9 U	26.2 U
PCB-094	ng/kg	2.45 U	3.18 U	2.39 U	3.49 U	2.88 U	6.32 U
PCB-095	ng/kg	6700	22.4 U	149	26.0 J	131	37.3 J
PCB-096	ng/kg	4.6 U	5.98 U	2.38 U	4.40 U	3.64 U	7.98 U
PCB-099	ng/kg	498	7.83 J	50.8	8.31 J	43.8	16.4 J
PCB-103	ng/kg	35.3	4.57 U	2.23 U	4.09 U	3.38 U	7.42 U
PCB-104	ng/kg	3.13 U	4.06 U	2.11 U	2.98 U	2.46 U	6.32 U
PCB-105	ng/kg	383	6.22 U	37.2	6.56 J	31.3	15.1 J
PCB-106	ng/kg	6.18 U	3.67 U	1.74 U	2.72 U	2.25 U	4.93 U
PCB107/124	ng/kg	44.7 J	6.26 U	5.98 J	5.77 U	4.77 U	10.5 U
PCB-109	ng/kg	59.9	4.85 U	6.67 J	3.55 U	4.84 J	6.43 U
PCB-110/115	ng/kg	3660	70.0 U	173	51.6 U	153	93.4 U
PCB-111	ng/kg	2.88 U	3.74 U	1.87 U	3.46 U	2.86 U	6.28 U
PCB-112	ng/kg	2.93 U	3.81 U	2.47 U	4.56 U	3.77 U	8.26 U
PCB-114	ng/kg	22.5 J	3.36 U	2.79 J	2.85 U	2.44 J	5.16 U
PCB-118	ng/kg	1700	54.6 U	87.4	40.2 U	71.9	72.9 U
PCB-120	ng/kg	3.06 U	3.98 U	2.03 U	3.75 U	3.10 U	6.80 U
PCB-121	ng/kg	2.59 U	3.36 U	2.15 U	3.98 U	3.29 U	7.21 U
PCB-122	ng/kg	11.2 J	5.50 U	2.17 U	3.29 U	2.72 U	5.96 U
PCB-123	ng/kg	18.5 J	3.89 U	2.60 J	3.69 U	3.05 U	6.69 U
PCB-126	ng/kg	8.05 U	3.53 U	1.77 U	3.28 U	2.71 U	5.94 U
PCB-127	ng/kg	6.2 U	3.94 U	1.72 U	2.98 U	2.46 U	5.40 U
PCB-128/166	ng/kg	1110	7.66 U	43.5	5.66 U	28.6 J	10.3 U
PCB-129/138/163	ng/kg	24700	21.4 J	292	37.7 J	265	89.8 J
PCB-130	ng/kg	561	4.20 U	21.7	4.12 J	18.1 J	7.46 U
PCB-131	ng/kg	126	4.62 U	6.05 J	4.04 U	3.75 J	7.70 U
PCB-132	ng/kg	6730	6.89 J	113	12.8 J	101	31.4 J
PCB-133	ng/kg	233	4.43 U	5.25 J	3.65 U	6.63 J	7.27 U
PCB-134/143	ng/kg	1050	6.46 U	19.9 J	5.59 U	17.5 J	10.1 U
PCB-135/151	ng/kg	12900	13.0 U	139	19.9 J	124	43.7 J
PCB-136	ng/kg	4400	6.69 U	47.8	7.28 J	42.8	17.0 J
PCB-137	ng/kg	102	5.06 U	13.0 J	3.70 U	11.8 J	6.66 U
PCB-139/140	ng/kg	48.6 J	6.19 U	4.48 J	5.70 U	4.71 U	10.3 U
PCB-141	ng/kg	7130	5.67 U	46.4	8.96 J	44.1	20.6 J
PCB-142	ng/kg	45.2 U	4.10 U	3.53 U	4.03 U	2.94 U	7.77 U
PCB-144	ng/kg	4.35 U	5.66 U	17.7 J	3.84 U	17.5 J	8.67 U
PCB-145	ng/kg	2.83 U	3.68 U	2.07 U	3.83 U	3.16 U	6.93 U
PCB-146	ng/kg	3060	5.53 U	42.8	5.70 J	36.8	12.5 J
PCB-147/149	ng/kg	24300	16.2 U	257	34.1 J	239	78.3 J
PCB-148	ng/kg	5.91 U	7.68 U	3.32 U	6.14 U	5.07 U	11.1 U
PCB-150	ng/kg	3.19 U	4.15 U	1.82 U	3.37 U	2.79 U	6.11 U
PCB-152	ng/kg	3.47 U	4.51 U	2.33 U	4.31 U	3.56 U	7.81 U
PCB-153/168	ng/kg	27600	16.5 J	190	32.9 J	179	75.2 J
PCB-154	ng/kg	3.58 U	4.65 U	3.29 J	3.55 U	2.93 U	6.43 U
PCB-155	ng/kg	3.21 U	4.17 U	1.49 U	3.59 J	2.77 J	7.16 J
PCB-156/157	ng/kg	1470	5.98 U	22.7 J	5.64 U	20.1 J	13.2 J
PCB-158	ng/kg	1790	3.26 U	29.0	3.37 J	25.2	9.14 J
PCB-159	ng/kg	307	3.91 U	2.24 U	3.66 U	3.03 U	6.63 U
PCB-160	ng/kg	30.4 U	3.99 U	2.32 U	2.70 U	2.23 U	4.90 U
PCB-161	ng/kg	31.7 U	3.21 U	2.24 U	2.56 U	1.98 U	4.88 U
PCB-162	ng/kg	9.69 U	3.59 U	2.30 U	3.19 U	2.64 U	5.77 U
PCB-164	ng/kg	1580	4.17 U	22.8	3.66 J	19.4 J	6.54 U
PCB-165	ng/kg	70.9 J	2.97 U	2.42 U	2.94 U	2.43 U	5.33 U
PCB-167	ng/kg	515	4.12 U	11.4 J	3.41 U	10.0 J	6.19 U
PCB-169	ng/kg	28.2 J	4.54 U	2.15 U	3.02 U	2.60 U	5.48 U
PCB-170	ng/kg	12000	7.13 U	120	15.2 J	110	33.0 J
PCB-171/173	ng/kg	3860	6.61 U	38.6	6.23 U	34.8 J	13.8 J
PCB-172	ng/kg	2220	4.52 U	25.9	3.70 U	22.9	7.67 U
PCB-174	ng/kg	14600	7.45 U	131	16.5 J	119	37.9 J
PCB-175	ng/kg	556	3.47 U	7.80 J	3.60 U	6.64 J	5.76 U

Table 4. Soil Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

Location		SB-03	SB-03	SB-04	SB-04	SB-04	SB-04
Sample ID		SB-03-31-33-250211	SB-03-37-39-250211	SB-04-06-08-250207	SB-04-08-10-250207	SB-04-17-19-250207	SB-04-19-20-250207
Lab Sample ID		10723702024	10723702023	10723332016	10723332017	10723332018	10723332019
Sample Date		02/11/2025	02/11/2025	02/07/2025	02/07/2025	02/07/2025	02/07/2025
Sample Depth (feet below ground surface)		31.0-33.0	37.0-39.0	6.5-8.0	8.0-10.0	17.0-19.5	19.5-20.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Primary	Primary	Primary
PCB-176	ng/kg	2020	4.89 U	18.4	3.81 U	16.6 J	6.90 U
PCB-177	ng/kg	8330	6.05 U	80.2	9.68 J	77.1	28.6 J
PCB-178	ng/kg	2780	4.87 U	29.8	4.15 U	29.8	9.59 J
PCB-179	ng/kg	6650	5.42 U	56.9	6.84 J	54.8	18.2 J
PCB-180/193	ng/kg	32300	12.9 U	282	33.0 J	252	83.6 J
PCB-181	ng/kg	24.1 U	4.03 U	2.68 U	3.52 U	3.58 U	7.46 U
PCB-182	ng/kg	3.46 U	4.50 U	2.05 U	3.42 U	3.13 U	6.20 U
PCB-183/185	ng/kg	10700	8.70 U	99.2	14.0 J	90.6	31.6 J
PCB-184	ng/kg	2.95 U	3.84 U	2.32 J	3.09 U	2.59 U	5.61 U
PCB-186	ng/kg	3.15 U	4.09 U	1.96 U	3.62 U	2.99 U	6.56 U
PCB-187	ng/kg	16400	7.96 U	166	18.8 J	144	48.5
PCB-188	ng/kg	2.36 U	3.07 U	1.74 U	3.10 U	2.57 U	5.62 U
PCB-189	ng/kg	456	4.66 U	4.72 J	3.87 U	4.06 J	7.01 U
PCB-190	ng/kg	2630	3.89 U	21.1	4.00 U	21.1 J	8.95 J
PCB-191	ng/kg	677	3.12 U	5.46 J	3.43 U	4.53 J	6.22 U
PCB-192	ng/kg	20.1 U	3.96 U	2.25 U	4.10 U	3.39 U	7.44 U
PCB-194	ng/kg	6600	4.75 U	64.1	6.52 J	59.0	18.7 J
PCB-195	ng/kg	2940	4.20 U	27.6	10.1 J	25.7	12.0 J
PCB-196	ng/kg	3730	3.95 U	36.9	7.30 J	35.6	13.6 J
PCB-197/200	ng/kg	1220	8.47 U	13.8 J	7.17 U	11.5 J	13.0 U
PCB-198/199	ng/kg	7000	6.51 U	82.2	9.93 J	69.5	23.2 J
PCB-201	ng/kg	930	3.45 U	10.4 J	3.45 U	8.72 J	5.77 U
PCB-202	ng/kg	1170	2.45 U	14.3	3.38 J	11.8 J	7.68 J
PCB-203	ng/kg	4200	4.78 U	50.5	9.65 J	41.4	13.7 J
PCB-204	ng/kg	2.8 U	3.21 U	1.96 U	3.63 U	2.47 U	5.42 U
PCB-205	ng/kg	381	3.91 U	3.55 J	3.40 U	2.62 U	5.74 U
PCB-206	ng/kg	1350	4.05 U	36.9	4.62 U	32.1	14.4 U
PCB-207	ng/kg	202	3.19 U	6.07 J	3.93 U	4.49 J	8.54 U
PCB-208	ng/kg	231	3.40 U	12.3 J	3.10 U	10.1 J	7.90 U
PCB-209	ng/kg	17.9 J	5.22 U	34.8	4.50 U	26.2 J	9.85 U

Table 4. Soil Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

Location		SB-04	SB-04	SB-04	SB-05	SB-05	SB-05
Sample ID		SB-04-26-28-250207	SB-04-30-32-250207	SB-04-32-34-250207	SB-05-08-10-250207	SB-05-15-16-250207	SB-05-16-18-250207
Lab Sample ID		10723332020	10723332021	10723332022	10723332009	10723332010	10723332011
Sample Date		02/07/2025	02/07/2025	02/07/2025	02/07/2025	02/07/2025	02/07/2025
Sample Depth (feet below ground surface)		26.0-28.0	30.0-32.0	32.0-34.0	8.0-10.0	15.0-16.0	16.0-18.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Primary	Primary	Primary
Analyte	Unit						
PHSS Total PCBs							
Sediment CUL	9 ug/kg						
PHSS Total PCBs							
Sediment Site-wide							
RAL	75 ug/kg						
PHSS Total PCBs							
Sediment PTW							
Threshold	200 ug/kg						
Percent Moisture	%	75.7	35.8	33.7	11.4	13.6	64.5
Total PCB Congeners	ug/kg	4.30 J	0.622 U	0.703 U	2.58 J	1.45 J	1.33 J
Total PCB Congeners	ng/kg	4,300 J	622 U	703 U	2,580 J	1,450 J	1,330 J
PCB-001	ng/kg	14.6 UJ	4.88 U	4.92 U	4.10 U	3.29 U	8.93 U
PCB-002	ng/kg	20.4 UJ	6.81 U	6.87 U	5.73 U	4.60 U	12.5 U
PCB-003	ng/kg	26.1 UJ	8.72 U	8.79 U	7.33 U	5.88 U	16.0 U
PCB-004	ng/kg	21.4 UJ	13.6 U	8.69 U	4.45 U	6.41 U	13.5 U
PCB-005	ng/kg	11.0 UJ	5.22 U	3.70 U	3.09 U	2.48 U	11.3 U
PCB-006	ng/kg	10.3 UJ	4.63 U	3.47 U	2.89 U	2.32 U	6.30 U
PCB-007	ng/kg	9.56 UJ	4.55 U	3.23 U	2.69 U	2.16 U	9.77 U
PCB-008	ng/kg	85.9 UJ	7.88 U	7.95 U	24.2 U	19.4 U	52.6 U
PCB-009	ng/kg	11.3 UJ	4.75 U	3.81 U	3.17 U	2.55 U	6.91 U
PCB-010	ng/kg	13.3 UJ	7.05 U	4.48 U	3.73 U	3.27 U	8.13 U
PCB-011	ng/kg	967 J	127 U	284 U	237 U	195 J+	516 U
PCB-012/013	ng/kg	20.3 UJ	6.80 U	6.86 U	5.72 U	4.59 U	12.4 U
PCB-014	ng/kg	10.2 UJ	4.79 U	3.45 U	2.87 U	2.31 U	10.6 U
PCB-015	ng/kg	26.9 J-	6.72 U	6.78 U	5.65 U	5.93 J	12.3 J
PCB-016	ng/kg	28.8 J-	7.12 U	7.18 U	7.23 J	5.59 J	14.7 J
PCB-017	ng/kg	31.5 J-	6.92 U	6.97 U	6.90 J	5.80 J	14.8 J
PCB-018/030	ng/kg	48.3 J-	14.8 U	15.0 U	12.5 U	10.5 J	27.2 U
PCB-019	ng/kg	13.6 UJ	4.55 U	4.58 U	3.82 U	3.07 U	8.32 U
PCB-020/028	ng/kg	138 J-	37.4 U	37.7 U	31.4 U	25.2 U	68.4 U
PCB-021/033	ng/kg	72.6 J-	21.3 U	21.5 U	17.9 U	14.4 U	39.0 U
PCB-022	ng/kg	53.6 UJ	18.0 U	18.1 U	15.1 U	12.1 U	32.9 U
PCB-023	ng/kg	11.6 UJ	3.88 U	3.91 U	3.26 U	2.62 U	7.10 U
PCB-024	ng/kg	12.2 UJ	4.10 U	4.13 U	3.44 U	2.76 U	7.50 U
PCB-025	ng/kg	12.7 UJ	4.25 U	4.28 U	3.57 U	2.86 U	7.77 U
PCB-026/029	ng/kg	25.2 UJ	8.42 U	8.49 U	7.08 U	5.68 U	15.4 U
PCB-027	ng/kg	14.1 UJ	4.71 U	4.75 U	3.96 U	3.18 U	8.61 U
PCB-031	ng/kg	118 J-	31.4 U	31.7 U	26.4 U	21.2 U	57.5 U
PCB-032	ng/kg	25.7 J-	6.78 U	6.83 U	5.70 U	4.70 J	13.2 J
PCB-034	ng/kg	11.8 UJ	3.94 U	3.97 U	3.31 U	2.65 U	7.20 U
PCB-035	ng/kg	85.9 UJ	4.22 U	4.26 U	24.2 U	19.4 U	7.73 U
PCB-036	ng/kg	16.9 J-	3.62 U	3.65 U	3.05 U	2.45 U	6.63 U
PCB-037	ng/kg	182 UJ	9.56 U	9.64 U	8.04 U	6.45 U	17.5 U
PCB-038	ng/kg	10.1 UJ	3.37 U	3.40 U	2.83 U	2.27 U	6.17 U
PCB-039	ng/kg	11.9 UJ	3.99 U	4.03 U	3.36 U	2.69 U	7.31 U
PCB-040/041/071	ng/kg	62.4 J-	14.6 U	14.7 U	12.3 U	9.86 U	26.7 U
PCB-042	ng/kg	40.5 J-	8.22 U	8.28 U	6.91 U	5.54 U	15.0 U
PCB-043/73	ng/kg	43.0 UJ	14.4 U	14.5 U	12.1 U	9.70 U	26.3 U
PCB-044/047/065	ng/kg	258 UJ	31.1 U	31.3 U	26.1 U	21.0 U	56.9 U
PCB-045/051	ng/kg	28.2 J-	8.98 U	9.05 U	7.54 U	6.06 U	16.4 U
PCB-046	ng/kg	12.3 UJ	4.11 U	4.14 U	3.45 U	2.77 U	7.52 U
PCB-048	ng/kg	28.5 J-	5.13 U	5.17 U	4.62 J	3.46 U	9.39 U
PCB-049/069	ng/kg	49.1 J-	15.0 U	15.1 U	12.6 U	10.1 U	27.4 U
PCB-050/053	ng/kg	23.9 UJ	8.01 U	8.08 U	6.73 U	5.40 U	14.7 U
PCB-052	ng/kg	443 UJ	28.2 U	28.4 U	125 U	100 U	51.6 U
PCB-054	ng/kg	11.5 UJ	3.85 U	3.89 U	3.24 U	2.60 U	7.05 U
PCB-055	ng/kg	12.6 UJ	4.22 U	4.26 U	3.55 U	2.85 U	7.73 U
PCB-056	ng/kg	85.9 UJ	9.42 U	9.50 U	7.92 U	6.36 U	17.2 U
PCB-057	ng/kg	11.4 UJ	3.83 U	3.86 U	3.22 U	2.59 U	7.01 U
PCB-058	ng/kg	10.2 UJ	3.42 U	3.45 U	2.87 U	2.31 U	6.25 U
PCB-059/062/075	ng/kg	33.8 UJ	11.3 U	11.4 U	9.52 U	7.64 U	20.7 U
PCB-060	ng/kg	32.9 J-	7.69 U	7.75 U	6.46 U	5.19 U	14.1 U
PCB-061/070/074/076	ng/kg	344 UJ	32.7 U	33.0 U	27.5 U	22.0 U	59.8 U
PCB-063	ng/kg	9.97 UJ	3.34 U	3.36 U	2.80 U	2.25 U	6.11 U
PCB-064	ng/kg	85.9 UJ	11.7 U	11.8 U	9.87 U	7.92 U	21.5 U
PCB-066	ng/kg	81.9 J-	20.1 U	20.3 U	16.9 U	13.6 U	36.9 U
PCB-067	ng/kg	10.4 UJ	3.49 U	3.52 U	2.93 U	2.35 U	6.38 U
PCB-068	ng/kg	9.42 UJ	3.15 U	3.18 U	2.65 U	2.13 U	5.77 U
PCB-072	ng/kg	9.42 UJ	3.15 U	3.18 U	2.65 U	2.13 U	5.77 U
PCB-077	ng/kg	11.4 UJ	3.83 U	3.86 U	3.22 U	2.59 U	7.01 U
PCB-078	ng/kg	10.0 UJ	3.35 U	3.38 U	2.81 U	2.26 U	6.13 U

Table 4. Soil Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

Location		SB-04	SB-04	SB-04	SB-05	SB-05	SB-05
Sample ID		SB-04-26-28-250207	SB-04-30-32-250207	SB-04-32-34-250207	SB-05-08-10-250207	SB-05-15-16-250207	SB-05-16-18-250207
Lab Sample ID		10723332020	10723332021	10723332022	10723332009	10723332010	10723332011
Sample Date		02/07/2025	02/07/2025	02/07/2025	02/07/2025	02/07/2025	02/07/2025
Sample Depth (feet below ground surface)		26.0-28.0	30.0-32.0	32.0-34.0	8.0-10.0	15.0-16.0	16.0-18.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Primary	Primary	Primary
PCB-079	ng/kg	9.04 UJ	3.03 U	3.05 U	2.54 U	2.04 U	5.54 U
PCB-080	ng/kg	8.11 UJ	2.72 U	2.74 U	2.28 U	1.83 U	4.97 U
PCB-081	ng/kg	9.66 UJ	3.23 U	3.26 U	2.72 U	2.18 U	5.92 U
PCB-082	ng/kg	26.4 UJ	8.85 U	8.92 U	7.44 U	5.97 U	16.2 U
PCB-083	ng/kg	14.5 UJ	4.81 U	4.91 U	4.04 U	3.24 U	8.80 U
PCB-084	ng/kg	17.2 UJ	5.76 U	5.81 U	9.93 J	4.92 J	10.6 U
PCB-085/116/117	ng/kg	34.7 UJ	11.6 U	11.7 U	9.77 U	7.84 U	21.3 U
PCB-086/087/097/108/119/125	ng/kg	67.0 UJ	22.4 U	22.6 U	18.9 U	15.1 U	41.1 U
PCB-088/091	ng/kg	23.2 UJ	7.76 U	7.82 U	6.76 J	5.23 U	14.2 U
PCB-089	ng/kg	14.1 UJ	4.73 U	4.77 U	3.98 U	3.19 U	8.65 U
PCB-090/101/113	ng/kg	49.8 J-	14.3 U	14.4 U	32.5 J	17.8 J	26.1 U
PCB-092	ng/kg	14.6 J-	4.49 U	4.52 U	8.33 J	4.57 J	8.21 U
PCB-093/098/100/102	ng/kg	48.1 UJ	16.1 U	16.2 U	13.5 U	10.9 U	29.5 U
PCB-094	ng/kg	11.6 UJ	3.89 U	3.92 U	3.27 U	2.62 U	7.12 U
PCB-095	ng/kg	55.4 UJ	18.5 U	18.7 U	61.7 J	26.4 J	33.9 U
PCB-096	ng/kg	14.7 UJ	4.91 U	4.95 U	4.13 U	3.31 U	8.99 U
PCB-099	ng/kg	22.3 UJ	7.47 U	7.53 U	14.2 J	8.92 J	13.7 U
PCB-103	ng/kg	13.6 UJ	4.57 U	4.61 U	3.84 U	3.08 U	8.36 U
PCB-104	ng/kg	10.3 UJ	3.33 U	4.13 U	2.80 U	2.24 U	6.09 U
PCB-105	ng/kg	20.3 J-	5.67 U	5.72 U	9.49 J	6.53 J	10.4 U
PCB-106	ng/kg	9.08 UJ	3.04 U	3.06 U	2.55 U	2.05 U	5.56 U
PCB107/124	ng/kg	19.3 UJ	6.44 U	6.50 U	5.42 U	4.35 U	11.8 U
PCB-109	ng/kg	11.8 UJ	3.96 U	3.99 U	3.33 U	2.67 U	7.24 U
PCB-110/115	ng/kg	172 UJ	16.6 U	16.7 U	54.5 J+	38.8 U	30.3 U
PCB-111	ng/kg	11.6 UJ	3.87 U	3.90 U	3.25 U	2.61 U	7.08 U
PCB-112	ng/kg	15.2 UJ	5.09 U	5.13 U	4.28 U	3.43 U	9.31 U
PCB-114	ng/kg	9.49 UJ	3.18 U	3.20 U	2.67 U	2.14 U	5.81 U
PCB-118	ng/kg	134 UJ	9.87 U	9.95 U	37.7 U	30.3 U	18.1 U
PCB-120	ng/kg	12.5 UJ	4.19 U	4.22 U	3.52 U	2.83 U	7.67 U
PCB-121	ng/kg	13.3 UJ	4.44 U	4.48 U	3.73 U	3.00 U	8.13 U
PCB-122	ng/kg	11.0 UJ	3.67 U	3.70 U	3.09 U	2.48 U	6.72 U
PCB-123	ng/kg	12.3 UJ	4.12 U	4.15 U	3.46 U	2.78 U	7.54 U
PCB-126	ng/kg	10.9 UJ	3.66 U	3.69 U	3.08 U	2.47 U	6.70 U
PCB-127	ng/kg	9.94 UJ	3.33 U	3.35 U	2.8 U	2.24 U	6.09 U
PCB-128/166	ng/kg	18.9 UJ	6.32 U	6.37 U	16.9 J	6.77 J	11.6 U
PCB-129/138/163	ng/kg	67.5 J-	12.9 U	13.0 U	171	75.1	23.6 U
PCB-130	ng/kg	20.5 UJ	4.05 U	4.08 U	9.88 J	3.86 J	7.41 U
PCB-131	ng/kg	21.1 UJ	4.02 U	4.05 U	3.38 U	2.71 U	7.35 U
PCB-132	ng/kg	19.6 UJ	4.17 U	4.20 U	64.8	27.7	8.48 J
PCB-133	ng/kg	19.9 UJ	3.68 U	3.71 U	3.89 J	2.48 U	6.74 U
PCB-134/143	ng/kg	21.2 UJ	6.24 U	6.29 U	9.83 J	4.21 U	11.4 U
PCB-135/151	ng/kg	27.1 UJ	9.06 U	9.13 U	94.9	42.8	16.6 U
PCB-136	ng/kg	16.4 UJ	4.71 U	4.75 U	34.5	14.7 J	8.61 U
PCB-137	ng/kg	18.3 UJ	3.52 U	3.55 U	4.08 J	2.38 U	6.44 U
PCB-139/140	ng/kg	19.0 UJ	6.36 U	6.42 U	5.35 U	4.29 U	11.6 U
PCB-141	ng/kg	16.2 UJ	3.56 U	3.59 U	33.3	15.8 J	6.51 U
PCB-142	ng/kg	21.3 UJ	3.44 U	3.47 U	2.89 U	2.32 U	6.30 U
PCB-144	ng/kg	21.6 UJ	4.28 U	4.32 U	12.7 J	5.62 J	7.83 U
PCB-145	ng/kg	15.5 UJ	4.27 U	4.30 U	3.59 U	2.88 U	7.81 U
PCB-146	ng/kg	15.0 UJ	4.03 U	4.06 U	28.3	11.4 J	7.37 U
PCB-147/149	ng/kg	48.5 J-	9.67 U	9.75 U	182	79.3	17.7 U
PCB-148	ng/kg	21.6 UJ	6.85 U	6.90 U	5.75 U	4.62 U	12.5 U
PCB-150	ng/kg	15.0 UJ	3.76 U	3.79 U	3.16 U	2.54 U	6.89 U
PCB-152	ng/kg	16.4 UJ	4.81 U	4.85 U	4.04 U	3.24 U	8.80 U
PCB-153/168	ng/kg	47.9 J-	8.15 U	8.21 U	153	63.2	14.9 U
PCB-154	ng/kg	15.7 UJ	3.96 U	3.99 U	3.33 U	2.67 U	7.24 U
PCB-155	ng/kg	21.1 J-	3.08 U	3.11 U	2.59 U	2.35 J	5.64 U
PCB-156/157	ng/kg	18.9 UJ	6.29 U	6.35 U	9.55 J	5.29 J	11.5 U
PCB-158	ng/kg	10.8 UJ	3.15 U	3.18 U	14.5 J	6.88 J	5.77 U
PCB-159	ng/kg	14.3 UJ	4.08 U	4.12 U	4.38 J	2.76 U	7.48 U
PCB-160	ng/kg	13.1 UJ	3.01 U	3.04 U	2.53 U	2.03 U	5.52 U
PCB-161	ng/kg	13.4 UJ	2.67 U	2.69 U	2.24 U	1.80 U	4.89 U
PCB-162	ng/kg	14.6 UJ	3.56 U	3.59 U	2.99 U	2.40 U	6.51 U
PCB-164	ng/kg	12.0 UJ	4.03 U	4.06 U	13.9 J	5.48 J	7.37 U
PCB-165	ng/kg	14.6 UJ	3.28 U	3.31 U	2.76 U	2.21 U	6.00 U
PCB-167	ng/kg	11.4 UJ	3.81 U	3.84 U	7.43 J	2.67 J	6.97 U
PCB-169	ng/kg	15.8 UJ	3.37 U	3.40 U	2.83 U	2.27 U	6.17 U
PCB-170	ng/kg	29.4 J-	5.07 U	5.12 U	80.4	36.1	9.29 U
PCB-171/173	ng/kg	27.0 UJ	6.95 U	7.01 U	23.9 J	11.3 J	12.7 U
PCB-172	ng/kg	27.9 UJ	4.13 U	4.58 U	17.2 J	8.02 J	7.56 U
PCB-174	ng/kg	30.7 J-	4.97 U	5.01 U	82.8	40.4	9.10 U
PCB-175	ng/kg	18.8 UJ	3.43 U	3.46 U	3.96 J	2.31 U	6.28 U

Table 4. Soil Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

Location		SB-04	SB-04	SB-04	SB-05	SB-05	SB-05
Sample ID		SB-04-26-28-250207	SB-04-30-32-250207	SB-04-32-34-250207	SB-05-08-10-250207	SB-05-15-16-250207	SB-05-16-18-250207
Lab Sample ID		10723332020	10723332021	10723332022	10723332009	10723332010	10723332011
Sample Date		02/07/2025	02/07/2025	02/07/2025	02/07/2025	02/07/2025	02/07/2025
Sample Depth (feet below ground surface)		26.0-28.0	30.0-32.0	32.0-34.0	8.0-10.0	15.0-16.0	16.0-18.0
Matrix		Soil	Soil	Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Primary	Primary	Primary
PCB-176	ng/kg	14.2 UJ	4.25 U	4.28 U	11.3 J	5.61 J	7.77 U
PCB-177	ng/kg	28.9 UJ	4.32 U	4.74 U	53.0	24.9	7.90 U
PCB-178	ng/kg	20.0 UJ	4.63 U	4.66 U	18.7 J	9.23 J	8.47 U
PCB-179	ng/kg	14.2 UJ	4.64 U	4.68 U	41.0	19.2 J	8.49 U
PCB-180/193	ng/kg	35.9 J-	9.17 U	9.25 U	188	89.2	16.8 U
PCB-181	ng/kg	27.2 UJ	3.92 U	4.46 U	3.3 U	2.65 U	7.18 U
PCB-182	ng/kg	16.3 UJ	3.82 U	3.85 U	3.21 U	2.58 U	6.99 U
PCB-183/185	ng/kg	26.3 UJ	7.54 U	7.60 U	64.0	30.3 J	13.8 U
PCB-184	ng/kg	13.5 UJ	3.45 U	3.48 U	2.90 U	2.33 U	6.32 U
PCB-186	ng/kg	14.3 UJ	4.04 U	4.07 U	3.39 U	2.72 U	7.39 U
PCB-187	ng/kg	36.9 J-	4.68 U	4.72 U	114	52.5	8.57 U
PCB-188	ng/kg	13.3 UJ	3.46 U	3.49 U	2.91 U	2.34 U	6.34 U
PCB-189	ng/kg	19.3 UJ	4.32 U	4.35 U	3.63 U	2.91 U	7.90 U
PCB-190	ng/kg	20.1 UJ	4.46 U	4.50 U	18.4 J	7.82 J	8.17 U
PCB-191	ng/kg	19.9 UJ	3.83 U	3.86 U	3.22 U	2.59 U	7.01 U
PCB-192	ng/kg	22.4 UJ	4.58 U	4.62 U	3.85 U	3.09 U	8.38 U
PCB-194	ng/kg	22.4 UJ	4.92 U	4.97 U	48.8	20.1	9.01 U
PCB-195	ng/kg	23.8 UJ	4.99 U	5.04 U	21.1 J	9.43 J	9.14 U
PCB-196	ng/kg	30.5 UJ	4.65 U	6.29 U	24.2	11.7 J	8.51 U
PCB-197/200	ng/kg	23.9 UJ	8.00 U	8.06 U	8.97 J	5.40 U	14.6 U
PCB-198/199	ng/kg	31.4 UJ	8.23 U	8.30 U	54.6	24.0 J	15.1 U
PCB-201	ng/kg	22.3 UJ	3.56 U	4.61 U	6.67 J	3.57 J	6.51 U
PCB-202	ng/kg	21.5 UJ	3.21 U	5.07 U	10.5 J	4.36 J	5.88 U
PCB-203	ng/kg	28.7 UJ	4.61 U	5.92 U	32.8	14.9 J	8.44 U
PCB-204	ng/kg	23.0 UJ	3.34 U	4.75 U	2.80 U	2.25 U	6.11 U
PCB-205	ng/kg	21.4 UJ	3.53 U	3.56 U	3.01 J	2.38 U	6.46 U
PCB-206	ng/kg	42.6 UJ	5.16 U	5.2 U	21.3 J	7.29 J	9.43 U
PCB-207	ng/kg	23.9 UJ	4.38 U	4.42 U	3.69 U	2.96 U	8.02 U
PCB-208	ng/kg	21.5 UJ	3.46 U	3.49 U	6.92 J	2.34 U	6.34 U
PCB-209	ng/kg	34.1 UJ	4.57 U	4.61 U	11.5 J	4.22 J	8.36 U

Table 4. Soil Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

Location		SB-05	SB-05	SB-05	SB-05
Sample ID		SB-05-18-20-250207	SB-05-28-30-250207	SB-05-30-32-250207	SB-05-32-34-250207
Lab Sample ID		10723332012	10723332013	10723332014	10723332015
Sample Date		02/07/2025	02/07/2025	02/07/2025	02/07/2025
Sample Depth (feet below ground surface)		18.0-20.0	28.0-30.0	30.0-32.0	32.0-34.0
Matrix		Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Primary
Analyte	Unit				
PHSS Total PCBs					
Sediment CUL	9 ug/kg				
PHSS Total PCBs					
Sediment Site-wide					
RAL	75 ug/kg				
PHSS Total PCBs					
Sediment PTW					
Threshold	200 ug/kg				
Percent Moisture	%	69.3	30.4	43.9	38.3
Total PCB Congeners	ug/kg	1.82 J	1.40 J	1.33 J	0.824 J
Total PCB Congeners	ng/kg	1,820 J	1,400 J	1,330 J	824 J
PCB-001	ng/kg	10.6 U	4.89 U	4.75 U	5.02 U
PCB-002	ng/kg	14.7 U	11.3 J	8.20 J	7.01 U
PCB-003	ng/kg	18.9 U	8.75 U	8.49 U	8.97 U
PCB-004	ng/kg	11.5 U	6.72 U	6.18 U	5.53 J
PCB-005	ng/kg	7.95 U	3.68 U	3.57 U	3.78 U
PCB-006	ng/kg	7.45 U	3.45 U	3.35 U	3.54 U
PCB-007	ng/kg	6.93 U	3.21 U	3.11 U	3.29 U
PCB-008	ng/kg	62.3 U	28.8 UJ	28.0 U	29.6 U
PCB-009	ng/kg	8.17 U	3.78 U	3.67 U	3.88 U
PCB-010	ng/kg	9.62 U	4.45 U	4.32 U	4.57 U
PCB-011	ng/kg	610 U	283 U	320 J+	290 U
PCB-012/013	ng/kg	14.7 U	6.82 U	6.62 U	6.99 U
PCB-014	ng/kg	7.40 U	3.43 U	3.32 U	3.52 U
PCB-015	ng/kg	14.6 U	6.74 U	8.53 J	6.91 U
PCB-016	ng/kg	18.3 J	7.14 U	7.31 J	7.89 J
PCB-017	ng/kg	19.0 J	7.90 J	9.01 J	8.36 J
PCB-018/030	ng/kg	32.1 U	14.9 U	14.4 U	15.3 U
PCB-019	ng/kg	9.84 U	4.56 U	4.42 U	4.67 U
PCB-020/028	ng/kg	81.0 U	37.5 U	40.7 J	38.5 U
PCB-021/033	ng/kg	46.1 U	21.3 U	21.9 J	21.9 U
PCB-022	ng/kg	38.9 U	18.0 U	17.5 U	18.5 U
PCB-023	ng/kg	8.40 U	3.89 U	3.77 U	3.99 U
PCB-024	ng/kg	8.87 U	4.11 U	3.99 U	4.21 U
PCB-025	ng/kg	9.19 U	4.26 U	4.13 U	4.37 U
PCB-026/029	ng/kg	18.2 U	8.45 U	8.19 U	8.66 U
PCB-027	ng/kg	10.2 U	4.72 U	4.58 U	4.84 U
PCB-031	ng/kg	68.0 U	31.5 U	31.3 J	32.3 U
PCB-032	ng/kg	14.8 J	6.80 U	6.72 J	7.38 J
PCB-034	ng/kg	8.52 U	3.95 U	3.83 U	4.05 U
PCB-035	ng/kg	9.14 U	4.23 U	28.0 U	29.6 U
PCB-036	ng/kg	7.85 U	3.63 U	3.53 U	3.73 U
PCB-037	ng/kg	20.7 U	9.59 U	59.3 U	9.84 U
PCB-038	ng/kg	7.30 U	3.38 U	3.28 U	3.47 U
PCB-039	ng/kg	8.65 U	4.00 U	3.88 U	4.11 U
PCB-040/041/071	ng/kg	31.6 U	14.7 U	14.2 U	15.0 U
PCB-042	ng/kg	17.8 U	8.24 U	7.99 U	8.45 U
PCB-043/73	ng/kg	31.1 U	14.4 U	14.0 U	14.8 U
PCB-044/047/065	ng/kg	67.3 U	31.2 U	30.2 U	32.0 U
PCB-045/051	ng/kg	19.4 U	9.00 U	8.73 U	9.23 U
PCB-046	ng/kg	8.89 U	4.12 U	4.00 U	4.23 U
PCB-048	ng/kg	11.1 U	5.15 U	4.99 U	5.28 U
PCB-049/069	ng/kg	32.4 U	15.0 U	14.6 U	15.4 U
PCB-050/053	ng/kg	17.3 U	8.03 U	7.79 U	8.24 U
PCB-052	ng/kg	321 U	149 U	144 U	153 U
PCB-054	ng/kg	8.35 U	3.87 U	3.75 U	3.96 U
PCB-055	ng/kg	9.14 U	4.23 U	4.11 U	4.34 U
PCB-056	ng/kg	20.4 U	9.45 U	9.17 U	9.69 U
PCB-057	ng/kg	8.30 U	3.84 U	3.73 U	3.94 U
PCB-058	ng/kg	7.40 U	3.43 U	3.32 U	3.52 U
PCB-059/062/075	ng/kg	24.5 U	11.4 U	11.0 U	11.6 U
PCB-060	ng/kg	16.6 U	7.71 U	7.48 U	7.91 U
PCB-061/070/074/076	ng/kg	70.8 U	32.8 U	31.8 U	33.6 U
PCB-063	ng/kg	7.23 U	3.35 U	3.25 U	3.43 U
PCB-064	ng/kg	25.4 U	11.8 U	11.4 U	12.1 U
PCB-066	ng/kg	43.6 U	20.2 U	19.6 U	20.7 U
PCB-067	ng/kg	7.55 U	3.50 U	3.39 U	3.59 U
PCB-068	ng/kg	6.83 U	3.16 U	3.07 U	3.24 U
PCB-072	ng/kg	6.83 U	3.16 U	3.07 U	3.24 U
PCB-077	ng/kg	8.30 U	3.84 U	3.73 U	3.94 U
PCB-078	ng/kg	7.25 U	3.36 U	3.26 U	3.44 U

Table 4. Soil Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

Location		SB-05	SB-05	SB-05	SB-05
Sample ID		SB-05-18-20-250207	SB-05-28-30-250207	SB-05-30-32-250207	SB-05-32-34-250207
Lab Sample ID		10723332012	10723332013	10723332014	10723332015
Sample Date		02/07/2025	02/07/2025	02/07/2025	02/07/2025
Sample Depth (feet below ground surface)		18.0-20.0	28.0-30.0	30.0-32.0	32.0-34.0
Matrix		Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Primary
PCB-079	ng/kg	6.55 U	3.03 U	2.94 U	3.11 U
PCB-080	ng/kg	5.88 U	2.72 U	2.64 U	2.79 U
PCB-081	ng/kg	7.00 U	3.24 U	3.15 U	3.33 U
PCB-082	ng/kg	19.2 U	8.87 U	8.61 U	9.10 U
PCB-083	ng/kg	10.4 U	4.82 U	4.68 U	4.95 U
PCB-084	ng/kg	12.5 U	5.78 U	5.61 U	5.93 U
PCB-085/116/117	ng/kg	25.2 U	11.7 U	11.3 U	12.0 U
PCB-086/087/097/108/119/125	ng/kg	48.6 U	22.5 U	21.8 U	23.1 U
PCB-088/091	ng/kg	16.8 U	7.78 U	7.55 U	7.98 U
PCB-089	ng/kg	10.2 U	4.74 U	4.60 U	4.86 U
PCB-090/101/113	ng/kg	30.9 U	14.3 U	13.9 U	14.7 U
PCB-092	ng/kg	9.72 U	4.50 U	4.37 U	4.62 U
PCB-093/098/100/102	ng/kg	34.9 U	16.2 U	15.7 U	16.6 U
PCB-094	ng/kg	8.42 U	3.90 U	3.78 U	4.00 U
PCB-095	ng/kg	40.1 U	26.8 J	18.0 U	19.1 U
PCB-096	ng/kg	10.6 U	4.93 U	4.78 U	5.05 U
PCB-099	ng/kg	16.2 U	7.49 U	7.27 U	7.68 U
PCB-103	ng/kg	9.89 U	4.58 U	4.44 U	4.70 U
PCB-104	ng/kg	7.20 U	3.33 U	3.24 U	3.42 U
PCB-105	ng/kg	15.5 J	5.69 U	5.52 U	5.83 U
PCB-106	ng/kg	6.58 U	3.05 U	2.96 U	3.12 U
PCB107/124	ng/kg	14.0 U	6.46 U	6.27 U	6.63 U
PCB-109	ng/kg	8.57 U	3.97 U	3.85 U	4.07 U
PCB-110/115	ng/kg	35.9 U	57.7 U	56.0 U	17.0 U
PCB-111	ng/kg	8.37 U	3.88 U	3.76 U	3.98 U
PCB-112	ng/kg	11.0 U	5.10 U	4.95 U	5.23 U
PCB-114	ng/kg	6.88 U	3.18 U	3.09 U	3.27 U
PCB-118	ng/kg	97.2 U	9.90 U	43.7 U	10.2 U
PCB-120	ng/kg	9.07 U	4.20 U	4.08 U	4.31 U
PCB-121	ng/kg	9.62 U	4.45 U	4.32 U	4.57 U
PCB-122	ng/kg	7.95 U	3.68 U	3.57 U	3.78 U
PCB-123	ng/kg	8.92 U	4.13 U	4.01 U	4.24 U
PCB-126	ng/kg	7.92 U	3.67 U	3.56 U	3.76 U
PCB-127	ng/kg	7.20 U	3.33 U	3.24 U	3.42 U
PCB-128/166	ng/kg	13.7 U	6.33 U	6.15 U	6.50 U
PCB-129/138/163	ng/kg	43.6 J	58.6 J	36.0 J	13.3 U
PCB-130	ng/kg	8.77 U	4.06 U	3.94 U	4.17 U
PCB-131	ng/kg	8.70 U	4.03 U	3.91 U	4.13 U
PCB-132	ng/kg	16.5 J	25.2 J	14.1 J	6.81 J
PCB-133	ng/kg	7.97 U	3.69 U	3.58 U	3.79 U
PCB-134/143	ng/kg	13.5 U	6.25 U	6.07 U	6.41 U
PCB-135/151	ng/kg	19.6 U	42.6 J	20.6 J	9.31 U
PCB-136	ng/kg	10.2 U	16.3 J	7.58 J	4.84 U
PCB-137	ng/kg	7.62 U	3.53 U	3.43 U	3.62 U
PCB-139/140	ng/kg	13.8 U	6.38 U	6.19 U	6.54 U
PCB-141	ng/kg	9.44 J	12.9 J	6.42 J	3.66 U
PCB-142	ng/kg	7.45 U	3.45 U	3.35 U	3.54 U
PCB-144	ng/kg	9.27 U	5.75 J	4.16 U	4.40 U
PCB-145	ng/kg	9.24 U	4.28 U	4.15 U	4.39 U
PCB-146	ng/kg	8.72 U	9.62 J	5.45 J	4.14 U
PCB-147/149	ng/kg	26.6 J	81.3	39.1 J	9.94 U
PCB-148	ng/kg	14.8 U	6.87 U	6.66 U	7.04 U
PCB-150	ng/kg	8.15 U	3.77 U	3.66 U	3.87 U
PCB-152	ng/kg	10.4 U	4.82 U	4.68 U	4.95 U
PCB-153/168	ng/kg	31.5 J	52.8 J	29.8 J	9.01 J
PCB-154	ng/kg	8.57 U	3.97 U	3.85 U	4.07 U
PCB-155	ng/kg	6.68 U	3.15 J	3.46 J	3.87 J
PCB-156/157	ng/kg	13.6 U	6.31 U	6.12 U	6.47 U
PCB-158	ng/kg	6.83 U	5.11 J	3.21 J	3.24 U
PCB-159	ng/kg	8.84 U	4.10 U	3.97 U	4.20 U
PCB-160	ng/kg	6.53 U	3.02 U	2.93 U	3.10 U
PCB-161	ng/kg	5.78 U	2.68 U	2.60 U	2.75 U
PCB-162	ng/kg	7.70 U	3.57 U	3.46 U	3.66 U
PCB-164	ng/kg	8.72 U	5.09 J	3.92 U	4.14 U
PCB-165	ng/kg	7.1 U	3.29 U	3.19 U	3.37 U
PCB-167	ng/kg	8.25 U	3.82 U	3.71 U	3.92 U
PCB-169	ng/kg	7.30 U	3.38 U	3.28 U	3.47 U
PCB-170	ng/kg	11.0 U	28.4 J	16.3 J	5.22 U
PCB-171/173	ng/kg	15.0 U	9.84 J	6.76 U	7.15 U
PCB-172	ng/kg	8.94 U	6.37 J	4.02 U	4.25 U
PCB-174	ng/kg	10.8 U	36.4	17.8 J	5.11 U
PCB-175	ng/kg	7.42 U	3.44 U	3.34 U	3.53 U

Table 4. Soil Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

Location		SB-05	SB-05	SB-05	SB-05
Sample ID		SB-05-18-20-250207	SB-05-28-30-250207	SB-05-30-32-250207	SB-05-32-34-250207
Lab Sample ID		10723332012	10723332013	10723332014	10723332015
Sample Date		02/07/2025	02/07/2025	02/07/2025	02/07/2025
Sample Depth (feet below ground surface)		18.0-20.0	28.0-30.0	30.0-32.0	32.0-34.0
Matrix		Soil	Soil	Soil	Soil
Sample Type		Primary	Primary	Primary	Primary
PCB-176	ng/kg	9.19 U	6.43 J	4.13 U	4.37 U
PCB-177	ng/kg	9.34 U	22.5 J	11.0 J	4.44 U
PCB-178	ng/kg	10.0 U	9.02 J	4.50 U	4.76 U
PCB-179	ng/kg	10.0 U	18.5 J	8.64 J	4.77 U
PCB-180/193	ng/kg	19.9 U	70.8	36.0 J	9.43 U
PCB-181	ng/kg	8.50 U	3.93 U	3.82 U	4.04 U
PCB-182	ng/kg	8.27 U	3.83 U	3.72 U	3.93 U
PCB-183/185	ng/kg	16.3 U	28.9 J	13.9 J	7.75 U
PCB-184	ng/kg	7.47 U	3.46 U	3.36 U	3.55 U
PCB-186	ng/kg	8.75 U	4.05 U	3.93 U	4.15 U
PCB-187	ng/kg	10.6 J	47.3	23.2 J	4.82 U
PCB-188	ng/kg	7.50 U	3.47 U	3.37 U	3.56 U
PCB-189	ng/kg	9.34 U	4.33 U	4.20 U	4.44 U
PCB-190	ng/kg	9.67 U	5.46 J	4.34 U	4.59 U
PCB-191	ng/kg	8.30 U	3.84 U	3.73 U	3.94 U
PCB-192	ng/kg	9.92 U	4.59 U	4.46 U	4.71 U
PCB-194	ng/kg	10.7 U	13.7 J	8.56 J	5.07 U
PCB-195	ng/kg	10.8 U	7.36 J	4.86 U	5.14 U
PCB-196	ng/kg	10.1 U	8.58 J	4.69 J	4.78 U
PCB-197/200	ng/kg	17.3 U	8.02 U	7.78 U	8.23 U
PCB-198/199	ng/kg	17.8 U	19.0 J	9.64 J	8.46 U
PCB-201	ng/kg	7.70 U	3.57 U	3.46 U	3.66 U
PCB-202	ng/kg	6.95 U	3.71 J	3.12 U	3.3 U
PCB-203	ng/kg	9.99 U	10.6 J	6.14 J	4.75 U
PCB-204	ng/kg	7.23 U	3.35 U	3.25 U	3.43 U
PCB-205	ng/kg	7.65 U	3.54 U	3.44 U	3.63 U
PCB-206	ng/kg	11.2 U	5.17 U	5.02 U	5.68 U
PCB-207	ng/kg	9.49 U	4.40 U	4.27 U	4.51 U
PCB-208	ng/kg	7.50 U	3.47 U	3.37 U	3.56 U
PCB-209	ng/kg	9.89 U	4.58 U	4.44 U	4.70 U

Table 4. Soil Analytical Results
2025 SMP PCB Assessment Report
SMP Terminal, Portland Oregon

Notes:

All concentrations are reported on a dry weight basis

Non-detects are reported as the EML (Method Reporting/Quantitation limit)

Total PCB concentrations calculated using 1/2 the EML for non-detected compounds

Total PCB concentrations exceeding PHSS criteria are highlighted, with colors corresponding to the highest criterion exceeded

CUL = clean up level

EPA RSL = Environmental Protection Agency's Regional Screening Level (November 2024)

U = non-detect

J = estimated result

J+ = estimated result concentration may be biased high

ng/kg = nanograms per kilogram

PCB = polychlorinated biphenyl

PHSS = Portland Harbor Superfund Site

PTW = principal threat waste

RAL = remedial action level

ug/kg = micrograms per kilogram

Appendix A

Field Notes and Boring Logs

SMP Terminal PCB Assessment 2/6/25

7:00 Tail gate and Safety Meeting

8:00 Review locations. Set Up

9:00 Begin airknifing at SB-01. Ran into rocks

Turns out we are right on the edge of the OWS

(we can survey it next week 26' to other end of OWS)

10:30 Moved about 6' North to drill SB-01

Vacuum not working well,

11:00 Set up to sample MW-17

11:30 Depth to water = 20.5' Depth to bottom = 26'

set pump at 23' down

using LDPE tubing (not teflon)

Purge and stabilize GW parameters

sample time = 1246

12:30 Collected sample GW-MW17-250206 (2.1-L Ambers)

Finished airknifing to 6.5' bgs. set up for coring SB-01

13:00 start sampling SB-01

collect samples from 10'-32' bgs

Field duplicate samples from

did not get much recovery from 10'-20'.

assume what we got is 10'-14' and the remainder

is void space. No samples (no recovery) from 14' to 28.5'

Will also sample 6'-8' and 8'-10' to get more

6.5-8.0' = sample SB-01-06-08-250206

Samples

28.5-30' = sample SB-01-28-30-250206

Field dup from 30-32' = sample SB-01-FID-250206

1520 Determine that we will not be able to collect anymore samples today.

Drillers are grouting the borehole SB-01

1545 Leave to deliver one coker to FedEx
other crew are cleaning up.

Lana McWilliam

SMP Terminal PCB Assessment

2/7/25

700 Onsite Safety Meeting

730 Rig is already set up on SB-05.

Crew cleared the top 6.5' yesterday afternoon

Today's plan also includes sampling P-24

Primary and Field Dup

920 to 950 = collected samples from

8-10, 15-16, 16-18, 18-20, 28-30, 30-32, 32-34

Had 2 distinct Filling events with

a silty layer in between (≈ 10 ft bgs)

lost a bunch of the sample both above

and below the silty layer.

Reached native sediment ≈ 31.5 ft bgs

1000 = Pumping very slowly on P-24 to prevent drawdown

945 = G.W.-P24-250207

depth to water: 15.71

956 = G.W.-P24-FD-250207

bottom of well: not measured

Back-filled SB-05

set tubing at: 23' tubing

1100 Airknifing SB-04

1145 Begin Drilling SB-04.

1230 Down to 40'. Little Recovery from 10'-30'

Potential Petroleum layer 19.5-20' bgs sampled separately

6.5-8.0' $\rightarrow$ SB-04-06-08-250207 @ 1240

collected 8-10', then no recovery to approx 17' bgs.

17'-19.5' $\rightarrow$ SB-04-17-19-250207

segregated out small layer with odor 19.5-20' bgs
19.5-20' $\Rightarrow$ SB-04-19-20-250207

In the 20-30' run, only got 2' recovery. Don't
know where from except it's shallower than 29'.

Will assume it's approx ~~28-30' bgs~~ 26'-28' LBM

then collect 30-32' and 32-34' bgs

1330 Pack up two coders to ship to PACE

1400 Laura McWilliams off site

Laura McWilliams

SMP Terminal PCB Assessment

2/11/25

7:00 Safety Mtg

8:00 Set Up on SB-02. Lots of Safety Precautions

9:30 Begin drilling SB-02, 3ft of stick-up

- CDF expanded 7ft $\rightarrow$ 10.5ft

- Did find $\approx$ 1.5ft of concrete

- Then another 1.5ft of CDF that seems to have flowed around the edge of the concrete revetment and underneath

- then $\approx$ 1ft of dark fill. Seen to have lost the remainder of the run.

- 17 to 27 run only recovered 3ft. Don't know what depth is represented.

- 27 to 37 run had very nice recovery in bottom 8ft. Don't think we had recovery from 27 to 29. Missing contact between fill and silt

* SB-02-FD-25021 was from 11-12' bgs

1200 Backfilling bin hole

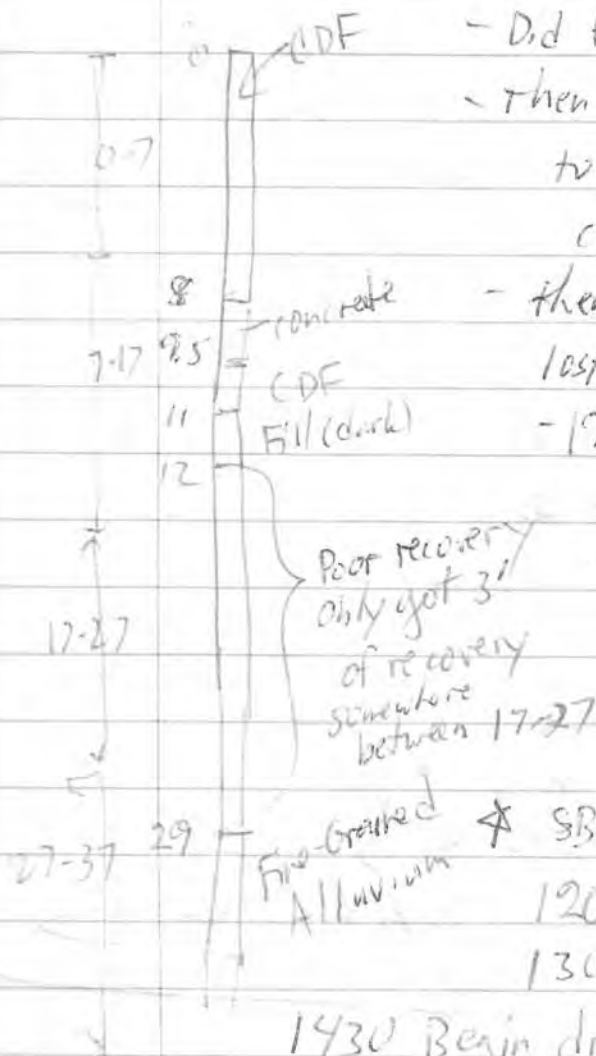
1300 Move plat form

1430 Begin drilling SB-03, 3ft of stickup

Again, encountered concrete 8ft bgs

Got good recovery down to 27' bgs

* SB-03-FD-250211 is from 25-27' bgs



1600 the bottom of the run from 27'-37' bgs
a bunch of wood got stuck in the shoe.
Assuming that the sandy fill above the wood
had similar compaction at that above it, assume
1 foot insitu is about 0.6 ft recovered.

Therefore the wood is at about 32.5 to 33' bgs.

Missing the 4 feet below that.

[Next run is 37'-47'; is entirely silt (river bottom)]

there was also a woody debris layer
from 30-31' bgs, then silty, from 31-32.5'

1730 Packing up cooler

18 pairs of soil jars left over

1800 Pack up coders.

1830 Offsite

Laura
McWilliam

Monitoring Well Sampling Field Log - Low Flow

Well Number:

214-17

Date:

2/6/2025

Project Information

Project Name:

SUP Terminal PCB Screening

AECOM Project Number:

60733311

Sampling Information

Field Team:

214/CW

Purge Method:

Flow

Sampling Method:

Flow

Water Quality Meter:

Model: Horiba U-50

Serial Number: 61088337+

Purge Water Disposition:

On site treatment system

Comments

Well Construction Information

Stick-up or Flush

Well Diameter (in)

Total Depth (ft bto)

Screen Interval (ft bgs or bto)

2

26.26

Monitoring Information

Initial DTW (ft bto)

Saturated Screen Interval (ft bgs or bto)

Pump Intake Depth (ft bto): (Mid Sat. Screen Interval)

20.51

23'

Sample Containers

Number

Type

Preservative

Analysis Required

Filtered?

2

16-liter Nalgene

PCB, 1008

N

Well Purge Data

Time	Volume Purged (L)	Purge Rate (L/min) (<0.5 L/min)	DTW (ft bto)	Temp. (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity	D.O. (mg/L)	Comments (i.e. odor, sediment, color)
1201	Pump On		20.51		±0.1	±10mv	±3%	± 10% (> 5) 3 values < 5	± 10% (> 0.5) 3 values < 0.5	<= Stabilization Criteria EPA 2017
1204		250	20.52	7.75	9.47	-43	0.748	3.2	3.56	
1209			20.52	10.34	8.58	-103	0.679	7.5	2.45	
1214			20.52	11.35	7.62	-112	0.661	4.6	2.05	
1219			20.52	11.81	7.38	-116	0.652	2.2	2.00	
1224			20.52	12.11	7.25	-118	0.643	0.6	2.00	
1229			20.52	12.42	7.10	-114	0.656	0.4	2.00	
1234			20.52	12.72	7.11	-111	0.621	0.3	2.00	
1239			20.52	12.58	7.06	-110	0.621	0.3	2.00	
1244	BL		20.52	12.62	7.09	-110	0.622	0.3	2.00	CL
Start Sampling 12:40 Sample ID: 60733311-250200 Sample Time: End Sampling 1:309 QA/QC Sample ID: QA/QC Sample Time:										

Note: bgs= below ground surface bto=below top of casing DTW=depth to water
Clarity: VC=very cloudy CI=cloudy SC=slightly cloudy AC=almost clear C=clear CC=crystal clear

Monitoring Well Sampling Field Log - Low Flow

Well Number:

P-24

Date:

2/7/2025

Project Information	
Project Name:	Superfund PCB Screening
AECOM Project Number:	0733311
Sampling Information	
Field Team:	EL/CW
Purge Method:	Pump
Sampling Method:	Low Flow
Water Quality Meter:	Model: Horiba U-50
	Serial Number: U108837x
Purge Water Disposition:	On site treatment system
Comments	
Minimum purge rate for pump 400 L/hr through well, taking 3 min readings & comparing every other one 0.931 able to increase purge rate	

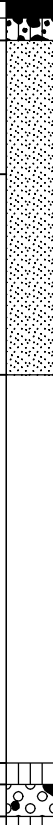
Well Construction Information				
Stick-up or Flushy	Well Diameter (in)	Total Depth (ft btoc)	Screen Interval (ft bgs or btoc)	
15.73	1.5		15'-30'	
Monitoring Information				
Initial DTW (ft btoc)	Saturated Screen Interval (ft bgs or btoc)	Pump Intake Depth (ft btoc): (Mid Sat. Screen Interval)		
15.73	15.73-30	23'		
Sample Containers				
Number	Type	Preservative	Analysis Required	Filtered?
4	16.4ml	None	PCB, 16.48	N

Well Purge Data										
Time	Volume Purged (L)	Purge Rate (L/min) (<0.5 L/min)	DTW (ft btoc)	Temp. (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity	D.O. (mg/L)	Comments (i.e. odor, sediment, color)
0908	Pump On		15.73		±0.1	±10mv	±3%	±10% (> 5) 3 values < 5	±10% (> 0.5) 3 values < 0.5	<= Stabilization Criteria EPA 2017
0907		0.93	16.40	6.26	7.31	-53	0.824	16.6	0.75	
0910			16.51	6.67	7.13	-67	0.767	21.1	0.73	
0913			16.56	9.11	7.08	-70	0.758	21.1	0.58	
0916			16.64	10.19	6.99	-70	0.761	20.2	0.26	
0919			16.70	10.21	6.93	-72	0.766	12.7	0.20	
0922			16.72	10.67	6.96	-71	0.766	12.6	0.20	
0925			16.72	10.99	6.94	-75	0.766	15.7	0.20	
0928			16.72	11.20	6.92	-78	0.769	14.8	0.20	
0931		0.93	16.81	11.49	6.91	-80	0.767	13.5	0.20	
0934			16.81	11.98	6.90	-82	0.763	11.7	0.20	
0937			16.84	12.17	6.89	-83	0.765	11.0	0.20	
0940			16.88	12.21	6.88	-84	0.769	7.8	0.20	
0943	3L		16.89	12.35	6.88	-85	0.769	7.1	0.20	
Start Sampling 0945			Sample ID: 6W-P24-250707			Sample Time: 0945				
End Sampling 1041			QA/QC Sample ID: 6W-P24-FD-250707			QA/QC Sample Time: 0950				

Note: bgs= below ground surface btoc=below top of casing DTW=depth to water
 Clarity: VC=very cloudy Cl=cloudy SC=slightly cloudy AC=almost clear C=clear CC=crystal clear

PROJECT NAME: Seaport 2025 PCB Screening	DATES DRILLED: 2/6/25	LOG NO: SB-01 PAGE 1 OF 1 AECOM
PROJECT NO: 60733311	SURFACE ELEVATION (ft CPD): 29.77	
LOCATION: 9930 NW St. Helens Rd., Portland, OR 97210	TOTAL DEPTH (ft): 40	

DRILLING COMPANY: Yellow Jacket Drilling Services, LLC	INCLINATION (deg): N/A	LOGGED BY: B. Webb
DRILLER:	AZIMUTH (deg): N/A	CHECKED BY:
DRILL EQUIP: TSi 150CC	CASING DEPTH (ft bgs): N/A	HOLE LOCATION:
DRILL METHOD: Resonate sonic	GROUNDWATER (ft bgs):	LATITUDE (deg) 45.595386 (deg) or NORTHING (ft): 711399.4 (ft)
BIT SIZE/TYPE: 4-inch	COMPLETION (ft): Bentonite Grout	LONGITUDE (deg) -122.779892 (deg) or EASTING (ft): 7618591.17 (ft)

ELEVATION (ft CPD)	DEPTH (ft)	SOIL SAMPLES			MATERIAL DESCRIPTION AND REMARKS	STRATIGRAPHY	LABORATORY TESTING RESULTS							
		SAMPLE SYMBOL	SAMPLE	RECOVERY (%)			Natural Moisture Content (%)	Total Unit Weight (pcf)	Liquid Limit	Plasticity Index	GRAVEL (%)	SAND (%)	FINES - Passing No. 200 Sieve (%)	CLAY - Passing 2 microns (%)
29.77	0				Two ~4-inch thick layers of asphalt									
				NA (air knife)	Brown, dry, dense, silty gravel. Gravels are subangular to angular and up to 1-inch in diameter.									
					Grey, dry to moist, medium-dense, gravelly sand, with minor sub-angular to sub-rounded cobbles up to 6 inches in diameter.									
		SB-01-06-08-250206		75	Grey, dry to moist, loose, gravelly sand, with minor sub-angular to sub-rounded cobbles up to 6 inches in diameter.									
19.77	10	SB-01-08-10-250206												
		SB-01-10-12-250206		50										
		SB-01-12-14-250206												
					No recovery. Assume a continuation of loose sand--same as above.									
9.77	20			0										
-0.23	30	SB-01-28-30-250206; SB-01-28-30-250206 field dup			Grey, very wet, very soft, clayey silt with woody fragments.									
		SB-01-30-32-250206			Woody debris.									
		SB-01-32-34-250226		80	Grey, moist, soft to medium-soft, clayey silt [native, fine-grained alluvial sediments].									
-10.23	40													

Bottom of hole at 40.0 feet. Boring terminated at 40 feet bgs. Backfilled with bentonite grout

PROJECT NAME: Seaport 2025 PCB Screening	DATES DRILLED: 2/11/25	LOG NO: SB-02 PAGE 1 OF 1 AECOM
PROJECT NO: 60733311	SURFACE ELEVATION (ft CPD): 28.25	
LOCATION: 9930 NW St. Helens Rd., Portland, OR 97210	TOTAL DEPTH (ft): 37	

DRILLING COMPANY: Yellow Jacket Drilling Services, LLC	INCLINATION (deg): N/A	LOGGED BY: B. Webb
DRILLER:	AZIMUTH (deg): N/A	CHECKED BY:
DRILL EQUIP: TSi 150CC	CASING DEPTH (ft bgs): N/A	HOLE LOCATION:
DRILL METHOD: Resonate sonic	GROUNDWATER (ft bgs):	LATITUDE (deg) 45.595386 (deg) or NORTHING (ft): 711399.08 (ft)
BIT SIZE/TYPE: 4-inch	COMPLETION (ft): Bentonite Grout	LONGITUDE (deg) -122.779829 (deg) or EASTING (ft): 7618607.31 (ft)

ELEVATION (ft CPD)	DEPTH (ft)	SOIL SAMPLES			MATERIAL DESCRIPTION AND REMARKS	STRATIGRAPHY	LABORATORY TESTING RESULTS							
		SAMPLE SYMBOL	SAMPLE	RECOVERY (%)			Natural Moisture Content (%)	Total Unit Weight (pcf)	Liquid Limit	Plasticity Index	GRAVEL (%)	SAND (%)	FINES - Passing No. 200 Sieve (%)	CLAY - Passing 2 microns (%)
28.25	0				Grey, Controlled Density Fill (CDF).									
18.25	10			95										
			SB-02-06-08-250211											
			SB-02-08-9.5-250211		Concrete.									
			SB-02-9.5-11-250211	50	Dark grey, dry, loose sand with minor silt.									
			SB-02-11-12-250211; field dup		No recovery. Presumably the same as above.									
				0										
8.25	20				Only ~30% of core was recovered between 17 feet bgs and 27 feet bgs and the stratigraphic position of the recovered interval is not known. Recovered core is grey, loose, silty sand with minor gravels up to 1-inch in diameter.									
			SB-02-17-27-250211	30										
				0	No recovery.									
-1.75	30		SB-02-29-31-250211		Grey, moist, medium-soft, clayey silt [native, fine-grained alluvial sediments].									
			SB-02-31-33-250211	75										

Bottom of hole at 37.0 feet. Boring terminated at 37 feet bgs. Backfilled with bentonite grout

PROJECT NAME: Seaport 2025 PCB Screening	DATES DRILLED: 2/7/25	LOG NO: SB-04 PAGE 1 OF 1 AECOM
PROJECT NO: 60733311	SURFACE ELEVATION (ft CPD): 29.96	
LOCATION: 9930 NW St. Helens Rd., Portland, OR 97210	TOTAL DEPTH (ft): 40	

DRILLING COMPANY: Yellow Jacket Drilling Services, LLC	INCLINATION (deg): N/A	LOGGED BY: B. Webb
DRILLER:	AZIMUTH (deg): N/A	CHECKED BY:
DRILL EQUIP: Tsi 150CC	CASING DEPTH (ft bgs): N/A	HOLE LOCATION:
DRILL METHOD: Resonate sonic	GROUNDWATER (ft bgs):	LATITUDE (deg) 45.595321 (deg) or NORTHING (ft): 711375.41 (ft)
BIT SIZE/TYPE: 4-inch	COMPLETION (ft): Bentonite Grout	LONGITUDE (deg) -122.779878 (deg) or EASTING (ft): 7618594.07 (ft)

ELEVATION (ft CPD)	DEPTH (ft)	SOIL SAMPLES			MATERIAL DESCRIPTION AND REMARKS	STRATIGRAPHY	LABORATORY TESTING RESULTS							
		SAMPLE SYMBOL	SAMPLE	RECOVERY (%)			Natural Moisture Content (%)	Total Unit Weight (pcf)	Liquid Limit	Plasticity Index	GRAVEL (%)	SAND (%)	FINES - Passing No. 200 Sieve (%)	CLAY - Passing 2 microns (%)
29.96	0				Two ~4-inch thick layers of asphalt									
				NA (air knife)	Brown, dry, dense, silty gravel. Gravels are subangular to angular and up to 1-inch in diameter.									
					Brown, dry, loose, silty sand with minor gravel. Gravels are well-rounded up to 2-inches in diameter.									
					...becomes grey.									
		SB-04-06-08-250207		75										
19.96	10	SB-04-08-10-250207												
				0	Only ~20% of core from 10-20 ft. bgs was recovered and the stratigraphic position of the core recovered is not known but assumed to be bottom of interval. The upper 1.66 feet of recovered core is the same as described above: Grey, dry, loose silty sand with minor, well-rounded gravels up to 2-inches in diameter [sample SB-04-17-19]. The lower 0.33 feet of recovered core is brown, loose, woody debris that has a distinctive hydrocarbon odor [sample SB-04-19-20].									
		SB-04-17-19-250207		60										
9.96	20	SB-04-19-20-250207												
				20	Only ~20% of core from 20-30 ft. bgs was recovered and the stratigraphic position of the core recovered is not known. The 2-foot recovered core consists of brown, loose, woody debris.									
		SB-04-26-28-250207												
-0.04	30													
		SB-04-30-32-250207		90	Grey, moist, medium-soft clayey silt [native, fine-grained alluvial sediments].									
		SB-04-32-34-250207												
-10.04	40													

Bottom of hole at 40.0 feet. Boring terminated at 40 feet bgs. Backfilled with bentonite grout

PROJECT NAME: Seaport 2025 PCB Screening	DATES DRILLED: 2/7/25	LOG NO: SB-05 PAGE 1 OF 1 AECOM
PROJECT NO: 60733311	SURFACE ELEVATION (ft CPD): 29.77	
LOCATION: 9930 NW St. Helens Rd., Portland, OR 97210	TOTAL DEPTH (ft): 40	

DRILLING COMPANY: Yellow Jacket Drilling Services, LLC	INCLINATION (deg): N/A	LOGGED BY: B. Webb
DRILLER:	AZIMUTH (deg): N/A	CHECKED BY:
DRILL EQUIP: Tsi 150CC	CASING DEPTH (ft bgs): N/A	HOLE LOCATION:
DRILL METHOD: Resonate sonic	GROUNDWATER (ft bgs):	LATITUDE (deg) 45.595293 (deg) or NORTHING (ft): 711364.82 (ft)
BIT SIZE/TYPE: 4-inch	COMPLETION (ft): Bentonite Grout	LONGITUDE (deg) -122.779781 (deg) or EASTING (ft): 7618618.76 (ft)

ELEVATION (ft CPD)	DEPTH (ft)	SOIL SAMPLES			MATERIAL DESCRIPTION AND REMARKS	STRATIGRAPHY	LABORATORY TESTING RESULTS							
		SAMPLE SYMBOL	SAMPLE	RECOVERY (%)			Natural Moisture Content (%)	Total Unit Weight (pcf)	Liquid Limit	Plasticity Index	GRAVEL (%)	SAND (%)	FINES - Passing No. 200 Sieve (%)	CLAY - Passing 2 microns (%)
29.77	0				Two ~4-inch thick layers of asphalt									
				NA (air knife)	Brown, dry, dense, silty gravel. Gravels are subangular up to 1-inch in diameter.									
					Brown, dry to moist, loose sand.									
				75										
19.77	10		SB-05-08-10-250207		Grey, dry to moist, loose sand with woody fragments.									
				0	No recovery. Presumably the same as above.									
			SB-05-15-16-250207		Grey, moist, medium-soft, sandy silt with minor clay and woody fragments.									
			SB-05-16-18-250207	75	Dark brown, loose, dry, woody debris with minor silt.									
			SB-05-18-20-250207											
9.77	20													
				0	No recovery from 20-28 ft. bgs. Likely a continuation of loose sand and/or woody debris.									
			SB-05-28-30-250207	75	Dark brown, woody debris with minor grey, soft silt.									
-0.23	30		SB-05-30-32-250207											
			SB-05-32-34-250207		Grey, moist, medium-soft, clayey silt [native, fine-grained alluvial sediments].									
				60										
					Grey, soft, moist, silt with minor clay and wood fragments.									
-10.23	40													

Bottom of hole at 40.0 feet. Boring terminated at 40 feet bgs. Backfilled with bentonite grout

Appendix B

Photographic Record

Project:

SMP PCB Assessment

Site Location:

SMP Bulk Fueling Terminal, Portland, Oregon

Date:

February 6, 2025

Photo Number:

1

Description:

SB-01
Drill rig position


Photo Number:

2

Description:

SB-01
6.5-10ft bgs



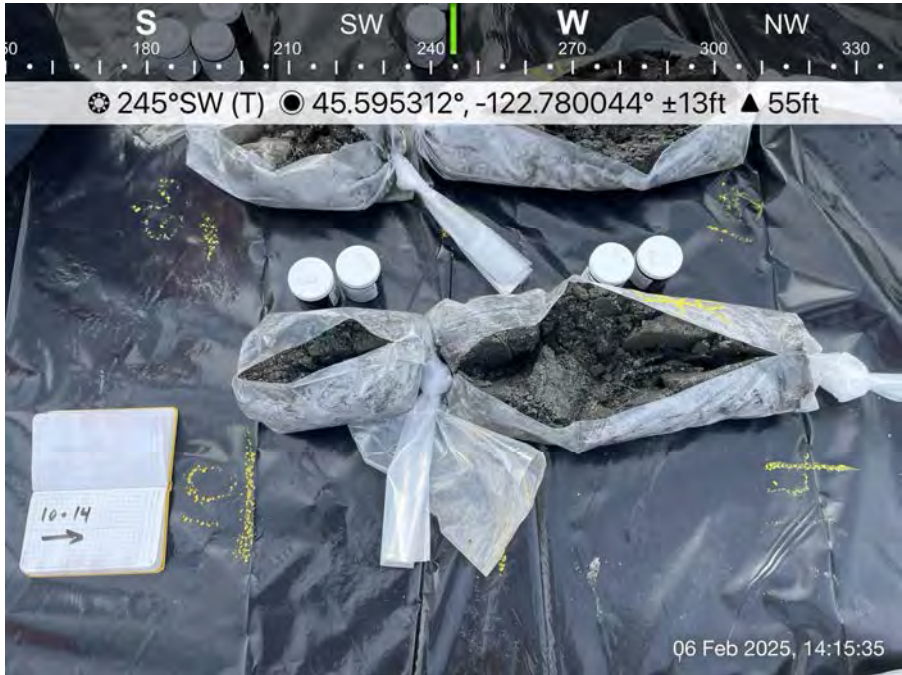
Project: SMP PCB Assessment	Site Location: SMP Bulk Fueling Terminal, Portland, Oregon	Date: February 6, 2025
Photo Number: 3		
Description: SB-01 10-14ft bgs		

Photo Number: 4		
Description: SB-01 28.5-40ft bgs		

Project: SMP PCB Assessment	Site Location: SMP Bulk Fueling Terminal, Portland, Oregon	Date: Feb 6, 2025, Feb 11, 2025
Photo Number: 5		
Description: SB-01 28.5-40ft bgs (continued)		

Photo Number: 6		
Description: SB-02 0-2ft bgs		

Project: SMP PCB Assessment	Site Location: SMP Bulk Fueling Terminal, Portland, Oregon	Date: February 11, 2025
Photo Number: 7	North East Elevation ☉ 233°SW (T) ☉ 45.595218°, -122.779681° ±13ft ▲ 42ft  11 Feb 2025, 11:54:19	
Description: SB-02 2.5-4ft bgs (bottom) 7-10ft bgs (top)		

Photo Number: 8	North East Elevation ☉ 233°SW (T) ☉ 45.595213°, -122.779678° ±13ft ▲ 42ft  11 Feb 2025, 11:54:23	
Description: SB-02 5-7ft bgs (bottom) 10-12ft bgs (top)		

Project: SMP PCB Assessment	Site Location: SMP Bulk Fueling Terminal, Portland, Oregon	Date: February 11, 2025
Photo Number: 9	North East Elevation ☉ 232°SW (T) ● 45.595194°, -122.779715° ±13ft ▲ 42ft  11 Feb 2025, 11:54:26	
Description: SB-02 17-27ft bgs (middle) 33-37ft bgs (top)		

Photo Number: 10	North East Elevation ☉ 231°SW (T) ● 45.595189°, -122.779697° ±13ft ▲ 42ft  11 Feb 2025, 11:54:33	
Description: SB-02 29-31ft bgs		

Project: SMP PCB Assessment	Site Location: SMP Bulk Fueling Terminal, Portland, Oregon	Date: February 11, 2025
Photo Number: 11	North East Elevation ☉ 231°SW (T) ☉ 45.595195°, -122.779698° ±13ft ▲ 43ft 	
Description: SB-02 31-34ft bgs		

Photo Number: 12	North East Elevation ☉ 237°SW (T) ☉ 45.595203°, -122.779708° ±13ft ▲ 40ft 	
Description: SB-02 34-37ft bgs (top)		

Project: SMP PCB Assessment	Site Location: SMP Bulk Fueling Terminal, Portland, Oregon	Date: February 11, 2025
Photo Number: 13	South East Elevation ☉ 299°NW (T) ● 45.595208°, -122.779736° ±13ft ▲ 42ft 	
Description: SB-03 Drill rig positioning		

Photo Number: 14	North East Elevation ☉ 218°SW (T) ● 45.595175°, -122.779659° ±9ft ▲ 42ft 	
Description: SB-03 0-3ft bgs (bottom) 7-10ft bgs (top)		

Project: SMP PCB Assessment	Site Location: SMP Bulk Fueling Terminal, Portland, Oregon	Date: Feb 11, 2025
Photo Number: 15	North East Elevation ☼ 213°SW (T) ● 45.595194°, -122.779701° ±9ft ▲ 36ft 	
Description: SB-03 3-7ft bgs (bottom) 10-17ft bgs (top)		

Photo Number: 16	North East Elevation ☼ 214°SW (T) ● 45.595199°, -122.779723° ±13ft ▲ 25ft 	
Description: SB-03 17-23ft bgs (bottom) 27-29ft bgs (top)		

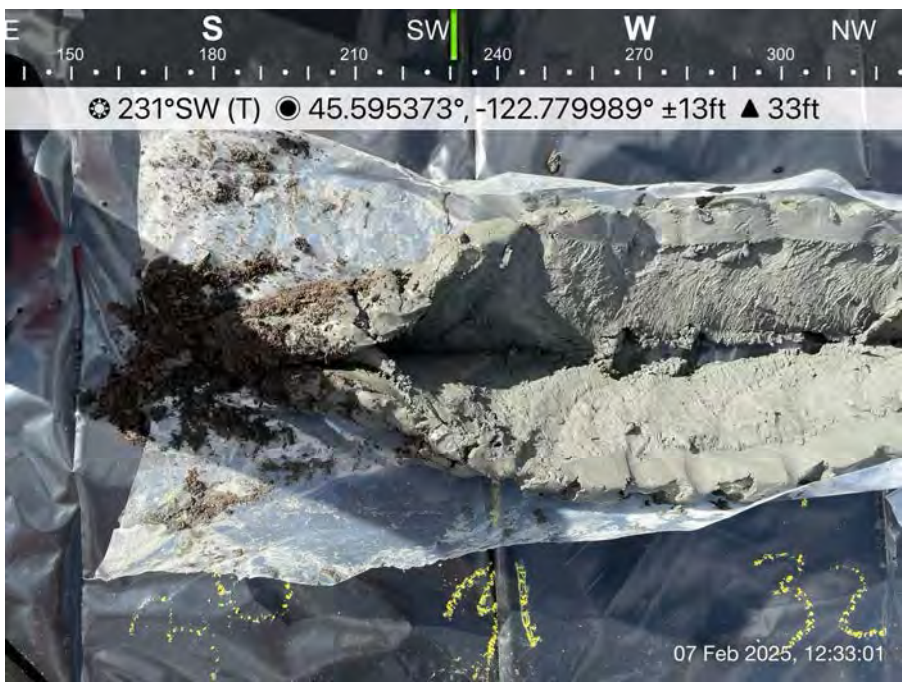
Project: SMP PCB Assessment	Site Location: SMP Bulk Fueling Terminal, Portland, Oregon	Date: February 11, 2025
Photo Number: 17	North East Elevation ☀ 211°SW (T) ● 45.595197°, -122.779738° ±13ft ▲ 27ft  11 Feb 2025, 16:54:34	
Description: SB-03 22-27ft bgs (bottom) 27-33ft bgs (top)		

Photo Number: 18	South West Elevation ☀ 35°NE (T) ● 45.595163°, -122.779734° ±13ft ▲ 35ft  11 Feb 2025, 17:13:17	
Description: SB-03 Showing wood at bottom of core from 27-33ft bgs (downward is to the left in this photograph)		

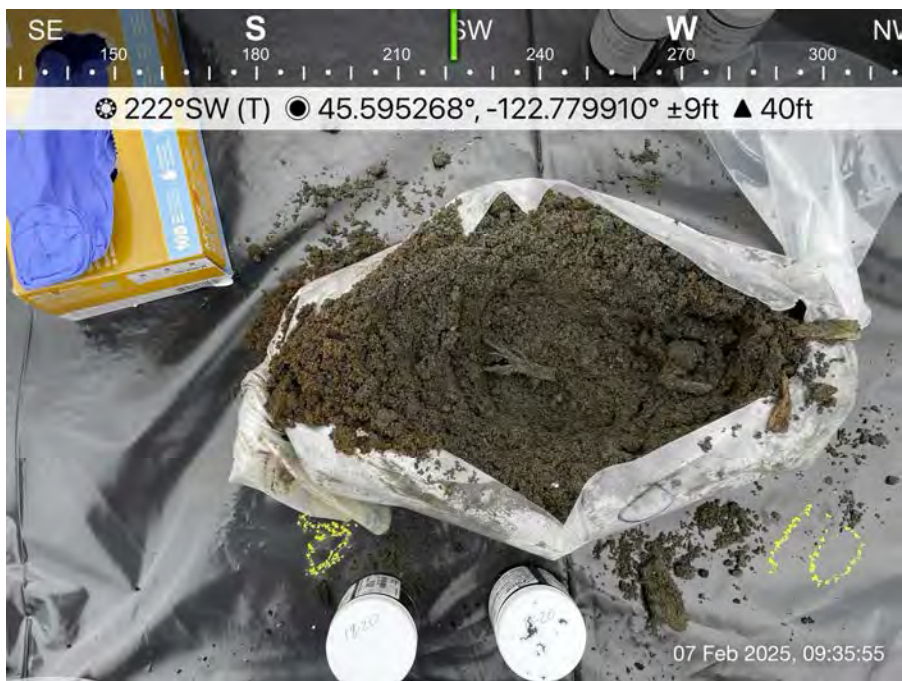
Project: SMP PCB Assessment	Site Location: SMP Bulk Fueling Terminal, Portland, Oregon	Date: Feb 11, 2025, Feb 7, 2025
Photo Number: 19	North East Elevation ☼ 212°SW (T) ● 45.595150°, -122.779681° ±13ft ▲ 31ft  11 Feb 2025, 17:13:26	
Description: SB-03 37-41ft bgs		

Photo Number: 20	S SW W NW 150 180 210 240 270 300 ☼ 232°SW (T) ● 45.595338°, -122.780044° ±9ft ▲ 34ft  07 Feb 2025, 12:13:03	
Description: SB-04 6.5-10ft bgs (top) 17-20ft bgs (bottom)		

Project: SMP PCB Assessment	Site Location: SMP Bulk Fueling Terminal, Portland, Oregon	Date: February 7, 2025
Photo Number: 21		
Description: SB-04 20-30ft bgs		

Photo Number: 22		
Description: SB-04 30-32ft bgs		

Project: SMP PCB Assessment	Site Location: SMP Bulk Fueling Terminal, Portland, Oregon	Date: February 7, 2025
Photo Number: 23		
Description: SB-04 38-40ft bgs		

Photo Number: 24		
Description: SB-05 8-10ft bgs		

Project: SMP PCB Assessment	Site Location: SMP Bulk Fueling Terminal, Portland, Oregon	Date: February 7, 2025
Photo Number: 25		
Description: SB-05 15-18ft bgs		

Photo Number: 26		
Description: SB-05 18-20ft bgs		

Project: SMP PCB Assessment	Site Location: SMP Bulk Fueling Terminal, Portland, Oregon	Date: February 7, 2025
Photo Number: 27	 SE 150 S 180 SW 210 240 W 270 300 N ☀ 219°SW (T) ● 45.595284°, -122.779934° ±13ft ▲ 41ft 07 Feb 2025, 09:37:01	
Description: SB-05 28-30ft bgs (center)		

Photo Number: 28	 SE 150 S 180 SW 210 240 W 270 300 N ☀ 217°SW (T) ● 45.595296°, -122.779918° ±13ft ▲ 41ft 07 Feb 2025, 09:37:09	
Description: SB-05 30-35ft bgs		



PHOTOGRAPHIC LOG

Project:

SMP PCB Assessment

Site Location:

SMP Bulk Fueling Terminal, Portland, Oregon

Date:

February 7, 2025

Photo Number:

29

Description:

SB-05
30-35ft bgs



Appendix C

Laboratory Analytical Reports

Report Prepared for:

Laura McWilliams
BP-LM Consulting
6420 S Macadam Ave
Portland OR 972393517

REPORT OF LABORATORY ANALYSIS FOR PCBs

Report Prepared Date:

March 5, 2025

Report Information:

Pace Project #: 10723330
Sample Receipt Date: 02/10/2025
Client Project #: BP Remediation
Client Sub PO #: ENFOS
State Cert #: MN200001

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 Carolynne Trout, your Pace Project Manager.

This report has been reviewed by:



March 06, 2025

Kirsten Johnson, Project Manager
(612) 607-6407
(612) 607-6444 (fax)
kirsten.johnson@pacelabs.com



Report of Laboratory Analysis

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

The results relate only to the samples included in this report.

DISCUSSION

This report presents the results from the analyses performed on four samples submitted by a representative of BP-LM Consulting. The samples were analyzed for the presence or absence of selected polychlorinated biphenyl (PCB) congeners using USEPA Method 1668A. Reporting limits were set to the statistical method detection limits and were adjusted for the amount of sample extracted. Quantitation limits were also provided on the results tables. Reporting limits determined based on the signal to noise ratio were flagged "A", with levels below the calibration range flagged "J" as estimated concentrations.

All of the recoveries obtained for this project were 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 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 contain trace levels of selected PCB congeners. The sample extracts contained similar levels of some congeners, 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 the sample batch using reference material that had been fortified with native standards. The results show that the spiked native compounds were recovered at 83-132%, with relative percent differences of 0.0-7.0%. These values were within method limits. Matrix spikes were not prepared with the sample batch.

REPORT OF LABORATORY ANALYSIS

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Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Mississippi	MN00064
Alabama	40770	Missouri	10100
Alaska-DW	MN00064	Montana	CERT0092
Alaska-UST	17-009	Nebraska	NE-OS-18-06
Arizona	AZ0014	Nevada	MN00064
Arkansas - WW	88-0680	New Hampshire	2081
Arkansas-DW	MN00064	New Jersey	MN002
California	2929	New York	11647
Colorado	MN00064	North Carolina-DW	27700
Connecticut	PH-0256	North Carolina-WW	530
Florida	E87605	North Dakota	R-036
Georgia	959	Ohio-DW	41244
Hawaii	MN00064	Ohio-VAP (1700)	CL101
Idaho	MN00064	Ohio-VAP (1800)	CL110
Illinois	200011	Oklahoma	9507
Indiana	C-MN-01	Oregon-Primary	MN300001
Iowa	368	Oregon-Secondary	MN200001
Kansas	E-10167	Pennsylvania	68-00563
Kentucky-DW	90062	Puerto Rico	MN00064
Kentucky-WW	90062	South Carolina	74003
Louisiana-DEQ	AI-84596	Tennessee	TN02818
Louisiana-DW	MN00064	Texas	T104704192
Maine	MN00064	Utah	MN00064
Maryland	322	Vermont	VT-027053137
Michigan	9909	Virginia	460163
Minnesota	027-053-137	Washington	C486
Minnesota-Ag	via MN 027-053-137	West Virginia-DEP	382
Minnesota-Petrofund	1240	West Virginia-DW	9952C
		Wisconsin	999407970
		Wyoming-UST	via A2LA 2926.01

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Appendix A

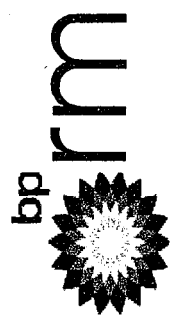
Sample Management

REPORT OF LABORATORY ANALYSIS

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17dd for samples arriving
Feb 8, 2025 Page 1 of 1

Laboratory Management Program (LAMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples



Req Due Date (mm/dd/yyyy): _____ Rush TAT Yes _____ No _____
Lab Work Order Number: _____

Lab Name: Pace Analytical
Lab Address: 1700 Elm St SE, Suite 200, Minneapolis, MN 55414
Lab PM: Julia Fogarty
Lab Phone: 612-656-1141
Lab Shipping Acct: _____
Lab Bottle Order No: **profile 47704 (EZ# 3210903)**
Other Info: _____

BP/ARC Facility Address: _____
City, State, ZIP Code: _____
Lead Regulatory Agency: _____
California Global ID No.: _____
Enfos Proposal No: 00BX4-0085
Accounting Mode: Provision _____ OOC-BU _____ OOC-RM _____
Stage _____ Activity _____
Invoice To: ENFOS BP-RM _____ BP-Other _____

Consultant/Contractor: LM consulting
Consultant/Contractor Project No: BP Remediation
Address: _____
Consultant/Contractor PM: Laura McWilliams
Phone: 858-228-7223 Email: laura@lmconsultingsd.com
Send/Submit EDD to: EQUIS

Sample Details				Requested Analyses										Report Type & QC Level	
Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	Pres	Filt	166A 209 PCB Conge	Dry Weight	Comments
	GW-MW17-250206	2/6/25	1246	W					2	X					001
	RB-MW17-250206	2/6/25	1345	W					2	X					002 JMF 2/11/25

Sampler's Name: Laura McWilliams
Sampler's Company: LM consulting
Ship Method: FedEx
Ship Date: 2/6/25

Relinquished By / Affiliation: Laura McWilliams
Date: 2/6/25 4pm
Accepted By / Affiliation: William Pace
Date: 2-10-25 8:50

Time

Special Instructions: **Freeze 1 of the jars on receipt

THIS LINE - LAB USE ONLY: Custody Seals In Place ☒ Yes / No | Temp Blank: ☒ Yes / No | Cooler Temp on Receipt: 9.4 °F/C | Trip Blank: Yes ☒ No | MS/MSD Sample Submitted: Yes ☒ No

Proprietary and Confidential
Property of BP and its Affiliates

Page 1 of 1 No

Req Due Date (mm/dd/yy):

Lab Work Order Number:

BP Site Node Path:

BP/RM Facility No:

	Rush TAT	Yes	No
1			
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BP LaMP Soil/H2O COC July 2018

[illegible]

ENV-FRM-MIN4-0149 v11_Sample Condition Upon Receipt - ESI

CLIENT NAME: LM Consulting

PROJECT #:

WO#: **10723330**

COURIER: ☐ Client ☐ Commercial ☒ FedEx ☐ Pace
☐ Speedee ☐ UPS ☐ USPS

PM: JMF Due Date: 03/03/25
 CLIENT: BP-LM Cons.

TRACKING NUMBER: 704814640654 ☐ See Exceptions form 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 Bags ☐ Bubble Wrap ☐ None ☐ Other Temp Blank: ☒ YES ☐ NO Type of Ice: ☐ Blue ☐ Dry ☒ Wet
 Thermometer: ☒ T1 (0461) ☐ T2 (0436) ☐ T3 (0459) ☐ T4 (0402) ☐ T5 (0178) ☐ T6 (0235)
☐ T7 (0042) ☐ T8 (0775) ☐ T9 (0727) ☐ 01339252 (1710) ☐ Melted ☐ None

Correction Factor: -0.1 Cooler Temp Read w/Temp Blank: 0.5 °C Average Corrected Temp (no Temp Blank Only): _____ °C
 Cooler Temp Corrected w/Temp Blank: 0.4 °C
 NOTE: Temp should be above freezing to 6°C. ☐ See Exceptions Form ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: ☒ N/A ☐ Water Sample/Other (describe): _____ Initials & Date of Person Examining Contents: EC 2-10-25
 Did Samples originate from one of the following states (check maps) – AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA: ☐ YES ☐ NO Did samples originate from a foreign source (international, including Hawaii and Puerto Rico): ☐ YES ☐ NO
 NOTE: 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	YES	NO	N/A	COMMENT(S)								
Chain of Custody Present and Filled Out?	☒	☐	☐	1.								
Chain of Custody Relinquished?	☒	☐	☐	2.								
Sampler Name and/or Signature on COC?	☒	☐	☐	3.								
Samples Arrived within Hold Time?	☒	☐	☐	4.								
Short Hold Time Analysis (<72 hr)?	☐	☒	☐	5. ☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom ☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos ☐ Total coliform/E. coli ☐ Other: _____								
Rush Turn Around Time Requested?	☐	☒	☐	6.								
Sufficient Sample Volume?	☒	☐	☐	7.								
Trip Volume Provided for MS/MSD (if more than 10 samples)?	☐	☐	☒									
Correct Containers Used?	☒	☐	☐	8.								
– Pace Containers Used?	☒	☐	☐									
Containers Intact?	☒	☐	☐	9.								
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☒	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO								
Is sufficient information available to reconcile the samples to the COC? NOTE: If ID/Date/Time don't match fill out section 11. Matrix: ☐ Oil ☐ Soil ☒ Water ☐ Other	☒	☐	☐	11. If NO, write ID/Date/Time of container below: ☐ See Exceptions form ENV-FRM-MIN4-0142								
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil & Grease, DRO/8015 (water) and Dioxins/PFAS NOTE: If adding preservation to the container, verify with the PM first. Clients may require adding preservative to the field and equipment blanks when this occurs.	☐	☐	☒	12. Sample #: ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ Zinc Acetate Positive for Residual Chlorine: ☐ YES ☐ NO pH Paper Lot # <table border="1"> <tr> <th>Residual Chlorine</th> <th>0-6 Roll</th> <th>0-6 Strip</th> <th>0-14 Strip</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> ☐ See Exceptions form ENV-FRM-MIN4-0142	Residual Chlorine	0-6 Roll	0-6 Strip	0-14 Strip				
Residual Chlorine	0-6 Roll	0-6 Strip	0-14 Strip									
Extra labels present on soil VOA or WIDRO containers?	☐	☐	☒	13.								
Headspace in VOA Vials (greater than 6mm)?	☐	☐	☒	☐ See Exceptions form ENV-FRM-MIN4-0140								
3 Trip Blanks Present?	☐	☐	☒	14.								
Trip Blank Custody Seals Present?	☐	☐	☒	Pace Trip Blank Lot # (if purchased): _____								

Temp Log: Temp must be maintained at <6°C during login, record temp every 20 mins		
Opened Time: <u>12:00</u>	Temp: <u>0.5</u>	Corrected Temp: <u>0.4</u>
Time: _____	Put in Cooler: <u>220</u>	
Time: _____	Temp: _____	Corrected Temp: _____

FIELD DATA REQUIRED: ☐ YES ☐ NO

CLIENT NOTIFICATION / RESOLUTION

Person Contacted: _____

Date & Time: _____

Comments / Resolution: _____

Project Manager Review: Julia Fogarty

Date: 2/11/25

NOTE: When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office (i.e., out of hold, incorrect preservative, but of temp incorrect containers).

Labeled By: EC

Line: 2



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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

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Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **GW-MW17-250206**

Lab Sample ID: 10723330001

Lab File ID: P250304A_09

Matrix: Water

Percent Solids: N/A

Date Collected: 02/06/2025 12:46

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 12:48

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117705

Prep. Technique: Liquid/Liq

Total Amount Extracted: 970mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	10.01	3.18	2.00	0.615	31	
1	PCB-003L	12.74	3.16	2.00	0.576	29	
2	PCB-004L	13.03	1.56	2.00	0.851	43	
2	PCB-015L	20.04	1.61	2.00	1.07	53	
3	PCB-019L	16.79	1.03	2.00	0.931	47	
3	PCB-037L	27.77	1.09	2.00	1.07	54	
4	PCB-054L	20.42	0.78	2.00	0.698	35	
4	PCB-077L	35.50	0.81	2.00	1.43	71	
4	PCB-081L	34.92	0.82	2.00	1.36	68	
5	PCB-104L	26.47	1.59	2.00	0.795	40	
5	PCB-105L	39.14	1.62	2.00	1.40	70	
5	PCB-114L	38.48	1.62	2.00	1.33	67	
5	PCB-118L	37.93	1.63	2.00	1.34	67	
5	PCB-123L	37.59	1.60	2.00	1.35	67	
5	PCB-126L	42.32	1.65	2.00	1.58	79	
6	PCB-155L	32.54	1.24	2.00	0.858	43	
6	PCB-156/157L	45.43	1.29	4.00	2.87	72	
6	PCB-167L	44.24	1.29	2.00	1.44	72	
6	PCB-169L	48.73	1.28	2.00	1.46	73	
7	PCB-188L	38.48	1.03	2.00	1.49	75	
7	PCB-189L	51.32	1.07	2.00	1.57	79	
8	PCB-202L	44.00	0.89	2.00	1.75	87	
8	PCB-205L	53.95	0.89	2.00	1.51	76	
9	PCB-206L	55.71	0.79	2.00	1.51	75	
9	PCB-208L	50.82	0.79	2.00	1.69	84	
10	PCB-209L	57.37	0.69	2.00	1.52	76	
Recovery Standards							
2	PCB-009L	15.44	1.63	2.00	1.50	N/A	
4	PCB-052L	25.43	0.78	2.00	2.30	N/A	
5	PCB-101L	32.74	1.57	2.00	2.32	N/A	
6	PCB-138L	41.15	1.28	2.00	2.43	N/A	
8	PCB-194L	53.45	0.93	2.00	2.01	N/A	
Cleanup Standards							
3	PCB-028L	23.44	1.07	2.00	1.06	53	
5	PCB-111L	35.56	1.56	2.00	1.37	68	
7	PCB-178L	41.60	1.05	2.00	1.65	82	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **GW-MW17-250206**

Lab Sample ID: 10723330001

Lab File ID: P250304A_09

Matrix: Water

Percent Solids: N/A

Date Collected: 02/06/2025 12:46

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 12:48

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 970mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
1	PCB-001	10.03	4.52 *	0.0239	JI	0.0412	0.0109	0.0239
1	PCB-002	12.53	2.81	0.0131	J	0.0412	0.00783	
1	PCB-003	12.76	3.73 *	0.0155	JI	0.0412	0.0138	0.0155
2	PCB-004			ND		0.0412	0.0128	
2	PCB-005			ND		0.0412	0.00996	
2	PCB-006			ND		0.0412	0.00618	
2	PCB-007			ND		0.0412	0.00521	
2	PCB-008			ND		0.0412	0.0181	
2	PCB-009			ND		0.0412	0.00577	
2	PCB-010			ND		0.0412	0.00666	
2	PCB-011			ND		0.404	0.158	
2	PCB-012/013			ND		0.0824	0.00989	
2	PCB-014			ND		0.0412	0.00579	
2	PCB-015			ND		0.0544	0.0107	
3	PCB-016			ND		0.0412	0.0101	
3	PCB-017			ND		0.0412	0.00948	
3	PCB-018/030			ND		0.0824	0.0206	
3	PCB-019			ND		0.0412	0.00816	
3	PCB-020/028			ND		0.213	0.0307	
3	PCB-021/033			ND		0.223	0.0309	
3	PCB-022			ND		0.157	0.0247	
3	PCB-023			ND		0.0412	0.00453	
3	PCB-024			ND		0.0412	0.00583	
3	PCB-025			ND		0.0412	0.00629	
3	PCB-026/029			ND		0.0824	0.0102	
3	PCB-027			ND		0.0412	0.00651	
3	PCB-031			ND		0.214	0.0416	
3	PCB-032			ND		0.0412	0.00660	
3	PCB-034			ND		0.0412	0.00629	
3	PCB-035			ND		0.0412	0.00577	
3	PCB-036			ND		0.0412	0.00573	
3	PCB-037			ND		0.0874	0.0125	
3	PCB-038			ND		0.0412	0.00577	
3	PCB-039			ND		0.0412	0.00524	

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Sample Analysis Summary

Method 1668A

Page 3 of 7

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Lab Sample ID: 10723330001

Lab File ID: P250304A_09

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Date Received: 02/10/2025 08:50

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Date Analyzed: 03/04/2025 12:48

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 970mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
4	PCB-040/041/071			ND		0.124	0.0223	
4	PCB-042			ND		0.0412	0.00779	
4	PCB-043/073			ND		0.0824	0.0137	
4	PCB-044/047/065			ND		0.124	0.0258	
4	PCB-045/051			ND		0.0824	0.0122	
4	PCB-046			ND		0.0412	0.00631	
4	PCB-048			ND		0.0412	0.00726	
4	PCB-069/049			ND		0.0824	0.0188	
4	PCB-050/053			ND		0.0824	0.0112	
4	PCB-052			ND		0.213	0.0577	
4	PCB-054			ND		0.0412	0.00791	
4	PCB-055			ND		0.0412	0.00660	
4	PCB-056			ND		0.0412	0.00866	
4	PCB-057			ND		0.0412	0.00563	
4	PCB-058			ND		0.0412	0.00783	
4	PCB-059/062/075			ND		0.124	0.0183	
4	PCB-060			ND		0.0412	0.00653	
4	PCB-061/070/074/076			ND		0.165	0.0350	
4	PCB-063			ND		0.0412	0.00612	
4	PCB-064			ND		0.0412	0.00989	
4	PCB-066			ND		0.0973	0.0157	
4	PCB-067			ND		0.0412	0.00546	
4	PCB-068			ND		0.0412	0.00552	
4	PCB-072			ND		0.0412	0.00519	
4	PCB-077			ND		0.0412	0.00561	
4	PCB-078			ND		0.0412	0.00653	
4	PCB-079			ND		0.0412	0.00639	
4	PCB-080			ND		0.0412	0.00577	
4	PCB-081			ND		0.0412	0.00515	
5	PCB-082			ND		0.0412	0.00930	
5	PCB-083			ND		0.0412	0.00938	
5	PCB-084			ND		0.0412	0.0105	
5	PCB-085/116/117			ND		0.124	0.0229	
5	PCB-086/087/097/108/119/12			ND		0.247	0.0507	

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Sample Analysis Summary

Method 1668A

Page 4 of 7

Client Sample ID: **GW-MW17-250206**

Lab Sample ID: 10723330001

Lab File ID: P250304A_09

Matrix: Water

Percent Solids: N/A

Date Collected: 02/06/2025 12:46

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 12:48

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 970mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
5	PCB-088/091			ND		0.0824	0.0169	
5	PCB-089			ND		0.0412	0.00742	
5	PCB-090/101/113			ND		0.124	0.0412	
5	PCB-092			ND		0.0412	0.00866	
5	PCB-093/098/100/102			ND		0.165	0.0324	
5	PCB-094			ND		0.0412	0.00761	
5	PCB-095			ND		0.115	0.0375	
5	PCB-096			ND		0.0412	0.00907	
5	PCB-099			ND		0.0412	0.0155	
5	PCB-103			ND		0.0412	0.00868	
5	PCB-104			ND		0.0412	0.00989	
5	PCB-105			ND		0.0412	0.00750	
5	PCB-106			ND		0.0412	0.00608	
5	PCB-107/124			ND		0.0824	0.0110	
5	PCB-109			ND		0.0412	0.00517	
5	PCB-110/115			ND		0.0824	0.0309	
5	PCB-111			ND		0.0412	0.00752	
5	PCB-112			ND		0.0412	0.00888	
5	PCB-114			ND		0.0412	0.00524	
5	PCB-118			ND		0.0643	0.0153	
5	PCB-120			ND		0.0412	0.00934	
5	PCB-121			ND		0.0412	0.00765	
5	PCB-122			ND		0.0412	0.00660	
5	PCB-123			ND		0.0412	0.00653	
5	PCB-126			ND		0.0412	0.00662	
5	PCB-127			ND		0.0412	0.00443	
6	PCB-128/166			ND		0.0824	0.0131	
6	PCB-129/138/163	41.18	1.26	0.0725	BJ	0.124	0.0229	
6	PCB-130			ND		0.0412	0.00758	
6	PCB-131			ND		0.0412	0.00754	
6	PCB-132	38.06	1.24	0.0288	BJ	0.0412	0.00930	
6	PCB-133			ND		0.0412	0.00775	
6	PCB-134/143			ND		0.0824	0.0148	
6	PCB-135/151	35.81	1.28	0.0380	BJ	0.0824	0.0204	

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Sample Analysis Summary

Method 1668A

Page 5 of 7

Client Sample ID: **GW-MW17-250206**

Lab Sample ID: 10723330001

Lab File ID: P250304A_09

Matrix: Water

Percent Solids: N/A

Date Collected: 02/06/2025 12:46

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 12:48

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 970mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
6	PCB-136	33.28	1.21	0.0141	J	0.0412	0.0111	
6	PCB-137			ND		0.0412	0.00829	
6	PCB-139/140			ND		0.0824	0.0119	
6	PCB-141	40.09	1.35	0.0207	BJ	0.0412	0.00969	
6	PCB-142			ND		0.0412	0.00604	
6	PCB-144			ND		0.0412	0.0111	
6	PCB-145			ND		0.0412	0.00913	
6	PCB-146	39.25	1.09	0.00829	J	0.0412	0.00763	
6	PCB-147/149	36.77	1.24	0.0683	BJ	0.0824	0.0243	
6	PCB-148			ND		0.0412	0.00927	
6	PCB-150			ND		0.0412	0.00882	
6	PCB-152			ND		0.0412	0.00911	
6	PCB-153/168	39.89	1.27	0.0625	BJ	0.0824	0.0221	
6	PCB-154			ND		0.0412	0.00851	
6	PCB-155			ND		0.0412	0.0109	
6	PCB-156/157			ND		0.0824	0.0110	
6	PCB-158			ND		0.0412	0.00639	
6	PCB-159			ND		0.0412	0.00633	
6	PCB-160			ND		0.0412	0.00600	
6	PCB-161			ND		0.0412	0.00783	
6	PCB-162			ND		0.0412	0.00635	
6	PCB-164			ND		0.0412	0.00660	
6	PCB-165			ND		0.0412	0.00641	
6	PCB-167			ND		0.0412	0.00610	
6	PCB-169			ND		0.0412	0.00606	
7	PCB-170	48.15	1.00	0.0120	J	0.0412	0.00866	
7	PCB-171/173			ND		0.0824	0.0135	
7	PCB-172			ND		0.0412	0.00826	
7	PCB-174	43.43	1.03	0.0321	BJ	0.0412	0.0101	
7	PCB-175			ND		0.0412	0.00810	
7	PCB-176			ND		0.0412	0.00874	
7	PCB-177	43.90	0.95	0.0200	BJ	0.0412	0.00835	
7	PCB-178			ND		0.0412	0.00987	
7	PCB-179	38.83	1.05	0.0199	BJ	0.0412	0.00903	

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Sample Analysis Summary

Method 1668A

Page 6 of 7

Client Sample ID: **GW-MW17-250206**

Lab Sample ID: 10723330001

Lab File ID: P250304A_09

Matrix: Water

Percent Solids: N/A

Date Collected: 02/06/2025 12:46

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 12:48

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 970mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
7	PCB-180/193	46.87	0.98	0.0307	BJ	0.0824	0.0159	
7	PCB-181			ND		0.0412	0.00750	
7	PCB-182			ND		0.0412	0.00847	
7	PCB-183/185	43.22	1.06	0.0228	J	0.0824	0.0145	
7	PCB-184			ND		0.0412	0.00864	
7	PCB-186			ND		0.0412	0.00878	
7	PCB-187	42.57	1.06	0.0363	BJ	0.0412	0.0133	
7	PCB-188			ND		0.0412	0.00783	
7	PCB-189			ND		0.0412	0.00796	
7	PCB-190			ND		0.0412	0.00723	
7	PCB-191			ND		0.0412	0.00678	
7	PCB-192			ND		0.0412	0.00796	
8	PCB-194			ND		0.0412	0.00769	
8	PCB-195			ND		0.0412	0.00711	
8	PCB-196			ND		0.0412	0.00892	
8	PCB-197/200			ND		0.0824	0.0171	
8	PCB-198/199			ND		0.0824	0.0129	
8	PCB-201			ND		0.0412	0.00824	
8	PCB-202			ND		0.0412	0.00789	
8	PCB-203			ND		0.0412	0.00713	
8	PCB-204			ND		0.0412	0.00647	
8	PCB-205			ND		0.0412	0.00769	
9	PCB-206			ND		0.0412	0.0126	
9	PCB-207			ND		0.0412	0.00967	
9	PCB-208			ND		0.0412	0.00824	
10	PCB-209			ND		0.0412	0.0129	

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **GW-MW17-250206**

Lab Sample ID: 10723330001

Lab File ID: P250304A_09

Matrix: Water

Percent Solids: N/A

Date Collected: 02/06/2025 12:46

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 12:48

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 970mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

Homologue	Concentration (ng/L)	Q
Total MoCB	0.0131	J
Total DiCB	ND	
Total TrCB	ND	
Total TeCB	ND	
Total PeCB	ND	
Total HxCB	0.313	J
Total HpCB	0.174	J
Total OcCB	ND	
Total NoCB	ND	
DeCB	ND	
Total PCBs	0.500	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **RB-MW17-250206**

Lab Sample ID: 10723330002

Lab File ID: P250304A_10

Matrix: Water

Percent Solids: N/A

Date Collected: 02/06/2025 13:45

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 13:50

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117705

Prep. Technique: Liquid/Liq

Total Amount Extracted: 979mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.83	3.27	2.00	0.707	35	
1	PCB-003L	12.61	3.21	2.00	0.869	43	
2	PCB-004L	12.92	1.57	2.00	0.968	48	
2	PCB-015L	19.97	1.63	2.00	1.28	64	
3	PCB-019L	16.72	1.05	2.00	1.04	52	
3	PCB-037L	27.77	1.08	2.00	1.21	60	
4	PCB-054L	20.31	0.79	2.00	0.874	44	
4	PCB-077L	35.50	0.82	2.00	1.57	79	
4	PCB-081L	34.93	0.80	2.00	1.56	78	
5	PCB-104L	26.46	1.59	2.00	0.900	45	
5	PCB-105L	39.14	1.62	2.00	1.44	72	
5	PCB-114L	38.48	1.60	2.00	1.40	70	
5	PCB-118L	37.93	1.62	2.00	1.42	71	
5	PCB-123L	37.60	1.63	2.00	1.40	70	
5	PCB-126L	42.32	1.62	2.00	1.57	78	
6	PCB-155L	32.54	1.25	2.00	0.937	47	
6	PCB-156/157L	45.43	1.27	4.00	2.94	73	
6	PCB-167L	44.24	1.28	2.00	1.47	74	
6	PCB-169L	48.74	1.27	2.00	1.54	77	
7	PCB-188L	38.48	1.05	2.00	1.44	72	
7	PCB-189L	51.32	1.06	2.00	1.50	75	
8	PCB-202L	44.01	0.91	2.00	1.54	77	
8	PCB-205L	53.95	0.91	2.00	1.51	75	
9	PCB-206L	55.74	0.79	2.00	1.54	77	
9	PCB-208L	50.84	0.79	2.00	1.61	81	
10	PCB-209L	57.38	0.69	2.00	1.53	77	
Recovery Standards							
2	PCB-009L	15.36	1.62	2.00	1.71	N/A	
4	PCB-052L	25.42	0.78	2.00	2.24	N/A	
5	PCB-101L	32.74	1.59	2.00	2.32	N/A	
6	PCB-138L	41.15	1.27	2.00	2.36	N/A	
8	PCB-194L	53.47	0.92	2.00	2.28	N/A	
Cleanup Standards							
3	PCB-028L	23.41	1.07	2.00	1.18	59	
5	PCB-111L	35.56	1.56	2.00	1.43	71	
7	PCB-178L	41.60	1.05	2.00	1.70	85	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **RB-MW17-250206**

Lab Sample ID: 10723330002

Lab File ID: P250304A_10

Matrix: Water

Percent Solids: N/A

Date Collected: 02/06/2025 13:45

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 13:50

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 979mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
1	PCB-001			ND		0.0409	0.0108	
1	PCB-002			ND		0.0409	0.00776	
1	PCB-003			ND		0.0409	0.0137	
2	PCB-004			ND		0.0409	0.0127	
2	PCB-005			ND		0.0409	0.00987	
2	PCB-006			ND		0.0409	0.00613	
2	PCB-007			ND		0.0409	0.00517	
2	PCB-008			ND		0.0409	0.0180	
2	PCB-009			ND		0.0409	0.00572	
2	PCB-010			ND		0.0409	0.00660	
2	PCB-011			ND		0.400	0.157	
2	PCB-012/013			ND		0.0817	0.00981	
2	PCB-014			ND		0.0409	0.00574	
2	PCB-015			ND		0.0539	0.0106	
3	PCB-016			ND		0.0409	0.0100	
3	PCB-017			ND		0.0409	0.00940	
3	PCB-018/030			ND		0.0817	0.0204	
3	PCB-019			ND		0.0409	0.00809	
3	PCB-020/028			ND		0.211	0.0304	
3	PCB-021/033			ND		0.221	0.0306	
3	PCB-022			ND		0.155	0.0245	
3	PCB-023			ND		0.0409	0.00450	
3	PCB-024			ND		0.0409	0.00578	
3	PCB-025			ND		0.0409	0.00623	
3	PCB-026/029			ND		0.0817	0.0101	
3	PCB-027			ND		0.0409	0.00646	
3	PCB-031			ND		0.212	0.0413	
3	PCB-032			ND		0.0409	0.00654	
3	PCB-034			ND		0.0409	0.00623	
3	PCB-035			ND		0.0409	0.00572	
3	PCB-036			ND		0.0409	0.00568	
3	PCB-037			ND		0.0866	0.0124	
3	PCB-038			ND		0.0409	0.00572	
3	PCB-039			ND		0.0409	0.00519	

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **RB-MW17-250206**

Lab Sample ID: 10723330002

Lab File ID: P250304A_10

Matrix: Water

Percent Solids: N/A

Date Collected: 02/06/2025 13:45

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 13:50

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 979mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
4	PCB-040/041/071			ND		0.123	0.0221	
4	PCB-042			ND		0.0409	0.00772	
4	PCB-043/073			ND		0.0817	0.0136	
4	PCB-044/047/065			ND		0.123	0.0255	
4	PCB-045/051			ND		0.0817	0.0121	
4	PCB-046			ND		0.0409	0.00625	
4	PCB-048			ND		0.0409	0.00719	
4	PCB-069/049			ND		0.0817	0.0186	
4	PCB-050/053			ND		0.0817	0.0111	
4	PCB-052			ND		0.211	0.0572	
4	PCB-054			ND		0.0409	0.00785	
4	PCB-055			ND		0.0409	0.00654	
4	PCB-056			ND		0.0409	0.00858	
4	PCB-057			ND		0.0409	0.00558	
4	PCB-058			ND		0.0409	0.00776	
4	PCB-059/062/075			ND		0.123	0.0181	
4	PCB-060			ND		0.0409	0.00648	
4	PCB-061/070/074/076			ND		0.163	0.0347	
4	PCB-063			ND		0.0409	0.00607	
4	PCB-064			ND		0.0409	0.00981	
4	PCB-066			ND		0.0964	0.0155	
4	PCB-067			ND		0.0409	0.00541	
4	PCB-068			ND		0.0409	0.00548	
4	PCB-072			ND		0.0409	0.00515	
4	PCB-077			ND		0.0409	0.00556	
4	PCB-078			ND		0.0409	0.00648	
4	PCB-079			ND		0.0409	0.00633	
4	PCB-080			ND		0.0409	0.00572	
4	PCB-081			ND		0.0409	0.00511	
5	PCB-082			ND		0.0409	0.00921	
5	PCB-083			ND		0.0409	0.00930	
5	PCB-084			ND		0.0409	0.0104	
5	PCB-085/116/117			ND		0.123	0.0227	
5	PCB-086/087/097/108/119/12			ND		0.245	0.0503	

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Sample Analysis Summary

Method 1668A

Page 4 of 7

Client Sample ID: **RB-MW17-250206**

Lab Sample ID: 10723330002

Lab File ID: P250304A_10

Matrix: Water

Percent Solids: N/A

Date Collected: 02/06/2025 13:45

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 13:50

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 979mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
5	PCB-088/091			ND		0.0817	0.0168	
5	PCB-089			ND		0.0409	0.00736	
5	PCB-090/101/113			ND		0.123	0.0409	
5	PCB-092			ND		0.0409	0.00858	
5	PCB-093/098/100/102			ND		0.163	0.0321	
5	PCB-094			ND		0.0409	0.00754	
5	PCB-095			ND		0.114	0.0372	
5	PCB-096			ND		0.0409	0.00899	
5	PCB-099			ND		0.0409	0.0153	
5	PCB-103			ND		0.0409	0.00860	
5	PCB-104			ND		0.0409	0.00981	
5	PCB-105			ND		0.0409	0.00744	
5	PCB-106			ND		0.0409	0.00603	
5	PCB-107/124			ND		0.0817	0.0109	
5	PCB-109			ND		0.0409	0.00513	
5	PCB-110/115			ND		0.0817	0.0306	
5	PCB-111			ND		0.0409	0.00746	
5	PCB-112			ND		0.0409	0.00881	
5	PCB-114			ND		0.0409	0.00519	
5	PCB-118			ND		0.0637	0.0151	
5	PCB-120			ND		0.0409	0.00926	
5	PCB-121			ND		0.0409	0.00758	
5	PCB-122			ND		0.0409	0.00654	
5	PCB-123			ND		0.0409	0.00648	
5	PCB-126			ND		0.0409	0.00656	
5	PCB-127			ND		0.0409	0.00439	
6	PCB-128/166			ND		0.0817	0.0130	
6	PCB-129/138/163			ND		0.123	0.0227	
6	PCB-130			ND		0.0409	0.00752	
6	PCB-131			ND		0.0409	0.00748	
6	PCB-132			ND		0.0409	0.00921	
6	PCB-133			ND		0.0409	0.00768	
6	PCB-134/143			ND		0.0817	0.0147	
6	PCB-135/151			ND		0.0817	0.0202	

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Sample Analysis Summary

Method 1668A

Page 5 of 7

Client Sample ID: **RB-MW17-250206**

Lab Sample ID: 10723330002

Lab File ID: P250304A_10

Matrix: Water

Percent Solids: N/A

Date Collected: 02/06/2025 13:45

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 13:50

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 979mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
6	PCB-136			ND		0.0409	0.0110	
6	PCB-137			ND		0.0409	0.00821	
6	PCB-139/140			ND		0.0817	0.0117	
6	PCB-141			ND		0.0409	0.00960	
6	PCB-142			ND		0.0409	0.00599	
6	PCB-144			ND		0.0409	0.0110	
6	PCB-145			ND		0.0409	0.00905	
6	PCB-146			ND		0.0409	0.00756	
6	PCB-147/149			ND		0.0817	0.0241	
6	PCB-148			ND		0.0409	0.00919	
6	PCB-150			ND		0.0409	0.00874	
6	PCB-152			ND		0.0409	0.00903	
6	PCB-153/168			ND		0.0817	0.0219	
6	PCB-154			ND		0.0409	0.00844	
6	PCB-155			ND		0.0409	0.0108	
6	PCB-156/157			ND		0.0817	0.0109	
6	PCB-158			ND		0.0409	0.00633	
6	PCB-159			ND		0.0409	0.00627	
6	PCB-160			ND		0.0409	0.00595	
6	PCB-161			ND		0.0409	0.00776	
6	PCB-162			ND		0.0409	0.00629	
6	PCB-164			ND		0.0409	0.00654	
6	PCB-165			ND		0.0409	0.00635	
6	PCB-167			ND		0.0409	0.00605	
6	PCB-169			ND		0.0409	0.00601	
7	PCB-170			ND		0.0409	0.00858	
7	PCB-171/173			ND		0.0817	0.0133	
7	PCB-172			ND		0.0409	0.00819	
7	PCB-174			ND		0.0409	0.00997	
7	PCB-175			ND		0.0409	0.00803	
7	PCB-176			ND		0.0409	0.00866	
7	PCB-177			ND		0.0409	0.00828	
7	PCB-178			ND		0.0409	0.00979	
7	PCB-179			ND		0.0409	0.00895	

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Sample Analysis Summary

Method 1668A

Page 6 of 7

Client Sample ID: **RB-MW17-250206**

Lab Sample ID: 10723330002

Lab File ID: P250304A_10

Matrix: Water

Percent Solids: N/A

Date Collected: 02/06/2025 13:45

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 13:50

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 979mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
7	PCB-180/193			ND		0.0817	0.0158	
7	PCB-181			ND		0.0409	0.00744	
7	PCB-182			ND		0.0409	0.00840	
7	PCB-183/185			ND		0.0817	0.0144	
7	PCB-184			ND		0.0409	0.00856	
7	PCB-186			ND		0.0409	0.00870	
7	PCB-187			ND		0.0409	0.0132	
7	PCB-188			ND		0.0409	0.00776	
7	PCB-189			ND		0.0409	0.00789	
7	PCB-190			ND		0.0409	0.00717	
7	PCB-191			ND		0.0409	0.00672	
7	PCB-192			ND		0.0409	0.00789	
8	PCB-194			ND		0.0409	0.00762	
8	PCB-195			ND		0.0409	0.00705	
8	PCB-196			ND		0.0409	0.00885	
8	PCB-197/200			ND		0.0817	0.0169	
8	PCB-198/199			ND		0.0817	0.0127	
8	PCB-201			ND		0.0409	0.00817	
8	PCB-202			ND		0.0409	0.00783	
8	PCB-203			ND		0.0409	0.00707	
8	PCB-204			ND		0.0409	0.00642	
8	PCB-205			ND		0.0409	0.00762	
9	PCB-206			ND		0.0409	0.0125	
9	PCB-207			ND		0.0409	0.00958	
9	PCB-208			ND		0.0409	0.00817	
10	PCB-209			ND		0.0409	0.0128	

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **RB-MW17-250206**

Lab Sample ID: 10723330002

Lab File ID: P250304A_10

Matrix: Water

Percent Solids: N/A

Date Collected: 02/06/2025 13:45

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 13:50

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 979mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

Homologue	Concentration (ng/L)	Q
Total MoCB	ND	
Total DiCB	ND	
Total TrCB	ND	
Total TeCB	ND	
Total PeCB	ND	
Total HxCB	ND	
Total HpCB	ND	
Total OcCB	ND	
Total NoCB	ND	
DeCB	ND	
Total PCBs	ND	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **GW-P24-250207**

Lab Sample ID: 10723330003

Lab File ID: P250304A_11

Matrix: Water

Percent Solids: N/A

Date Collected: 02/07/2025 09:45

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 14:52

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117705

Prep. Technique: Liquid/Liq

Total Amount Extracted: 1000mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.84	3.20	2.00	0.594	30	
1	PCB-003L	12.62	3.39	2.00	0.581	29	
2	PCB-004L	12.93	1.57	2.00	0.781	39	
2	PCB-015L	19.99	1.62	2.00	0.979	49	
3	PCB-019L	16.73	1.04	2.00	0.825	41	
3	PCB-037L	27.78	1.08	2.00	0.983	49	
4	PCB-054L	20.34	0.78	2.00	0.637	32	
4	PCB-077L	35.53	0.81	2.00	1.33	66	
4	PCB-081L	34.94	0.81	2.00	1.27	64	
5	PCB-104L	26.47	1.58	2.00	0.750	37	
5	PCB-105L	39.17	1.63	2.00	1.28	64	
5	PCB-114L	38.51	1.60	2.00	1.24	62	
5	PCB-118L	37.96	1.61	2.00	1.23	61	
5	PCB-123L	37.61	1.62	2.00	1.23	62	
5	PCB-126L	42.34	1.65	2.00	1.41	71	
6	PCB-155L	32.56	1.23	2.00	0.812	41	
6	PCB-156/157L	45.45	1.29	4.00	2.50	62	
6	PCB-167L	44.27	1.30	2.00	1.25	63	
6	PCB-169L	48.75	1.28	2.00	1.25	62	
7	PCB-188L	38.50	1.03	2.00	1.32	66	
7	PCB-189L	51.34	1.06	2.00	1.27	64	
8	PCB-202L	44.02	0.88	2.00	1.41	70	
8	PCB-205L	53.97	0.90	2.00	1.32	66	
9	PCB-206L	55.76	0.79	2.00	1.36	68	
9	PCB-208L	50.86	0.77	2.00	1.39	69	
10	PCB-209L	57.39	0.71	2.00	1.35	67	
Recovery Standards							
2	PCB-009L	15.38	1.58	2.00	1.77	N/A	
4	PCB-052L	25.43	0.77	2.00	2.51	N/A	
5	PCB-101L	32.77	1.57	2.00	2.50	N/A	
6	PCB-138L	41.16	1.26	2.00	2.65	N/A	
8	PCB-194L	53.49	0.92	2.00	2.41	N/A	
Cleanup Standards							
3	PCB-028L	23.42	1.05	2.00	1.04	52	
5	PCB-111L	35.57	1.58	2.00	1.36	68	
7	PCB-178L	41.63	1.06	2.00	1.51	75	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **GW-P24-250207**

Lab Sample ID: 10723330003

Lab File ID: P250304A_11

Matrix: Water

Percent Solids: N/A

Date Collected: 02/07/2025 09:45

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 14:52

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 1000mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
1	PCB-001			ND		0.0399	0.0106	
1	PCB-002			ND		0.0399	0.00758	
1	PCB-003			ND		0.0399	0.0134	
2	PCB-004			ND		0.0399	0.0124	
2	PCB-005			ND		0.0399	0.00964	
2	PCB-006			ND		0.0399	0.00599	
2	PCB-007			ND		0.0399	0.00505	
2	PCB-008			ND		0.0399	0.0176	
2	PCB-009			ND		0.0399	0.00559	
2	PCB-010			ND		0.0399	0.00645	
2	PCB-011			ND		0.391	0.153	
2	PCB-012/013			ND		0.0798	0.00958	
2	PCB-014			ND		0.0399	0.00561	
2	PCB-015			ND		0.0527	0.0104	
3	PCB-016			ND		0.0399	0.00978	
3	PCB-017			ND		0.0399	0.00918	
3	PCB-018/030			ND		0.0798	0.0200	
3	PCB-019			ND		0.0399	0.00790	
3	PCB-020/028			ND		0.206	0.0297	
3	PCB-021/033			ND		0.216	0.0299	
3	PCB-022			ND		0.152	0.0239	
3	PCB-023			ND		0.0399	0.00439	
3	PCB-024			ND		0.0399	0.00565	
3	PCB-025			ND		0.0399	0.00609	
3	PCB-026/029			ND		0.0798	0.00986	
3	PCB-027			ND		0.0399	0.00631	
3	PCB-031			ND		0.208	0.0403	
3	PCB-032			ND		0.0399	0.00639	
3	PCB-034			ND		0.0399	0.00609	
3	PCB-035			ND		0.0399	0.00559	
3	PCB-036			ND		0.0399	0.00555	
3	PCB-037			ND		0.0846	0.0121	
3	PCB-038			ND		0.0399	0.00559	
3	PCB-039			ND		0.0399	0.00507	

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **GW-P24-250207**

Lab Sample ID: 10723330003

Lab File ID: P250304A_11

Matrix: Water

Percent Solids: N/A

Date Collected: 02/07/2025 09:45

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 14:52

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 1000mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
4	PCB-040/041/071			ND		0.120	0.0216	
4	PCB-042			ND		0.0399	0.00754	
4	PCB-043/073			ND		0.0798	0.0133	
4	PCB-044/047/065			ND		0.120	0.0249	
4	PCB-045/051			ND		0.0798	0.0118	
4	PCB-046			ND		0.0399	0.00611	
4	PCB-048			ND		0.0399	0.00702	
4	PCB-069/049			ND		0.0798	0.0182	
4	PCB-050/053			ND		0.0798	0.0108	
4	PCB-052			ND		0.206	0.0559	
4	PCB-054			ND		0.0399	0.00766	
4	PCB-055			ND		0.0399	0.00639	
4	PCB-056			ND		0.0399	0.00838	
4	PCB-057			ND		0.0399	0.00545	
4	PCB-058			ND		0.0399	0.00758	
4	PCB-059/062/075			ND		0.120	0.0177	
4	PCB-060			ND		0.0399	0.00633	
4	PCB-061/070/074/076			ND		0.160	0.0339	
4	PCB-063			ND		0.0399	0.00593	
4	PCB-064			ND		0.0399	0.00958	
4	PCB-066			ND		0.0942	0.0152	
4	PCB-067			ND		0.0399	0.00529	
4	PCB-068			ND		0.0399	0.00535	
4	PCB-072			ND		0.0399	0.00503	
4	PCB-077			ND		0.0399	0.00543	
4	PCB-078			ND		0.0399	0.00633	
4	PCB-079			ND		0.0399	0.00619	
4	PCB-080			ND		0.0399	0.00559	
4	PCB-081			ND		0.0399	0.00499	
5	PCB-082			ND		0.0399	0.00900	
5	PCB-083			ND		0.0399	0.00908	
5	PCB-084			ND		0.0399	0.0102	
5	PCB-085/116/117			ND		0.120	0.0221	
5	PCB-086/087/097/108/119/12			ND		0.239	0.0491	

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Sample Analysis Summary

Method 1668A

Page 4 of 7

Client Sample ID: **GW-P24-250207**

Lab Sample ID: 10723330003

Lab File ID: P250304A_11

Matrix: Water

Percent Solids: N/A

Date Collected: 02/07/2025 09:45

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 14:52

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 1000mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
5	PCB-088/091			ND		0.0798	0.0164	
5	PCB-089			ND		0.0399	0.00718	
5	PCB-090/101/113			ND		0.120	0.0399	
5	PCB-092			ND		0.0399	0.00838	
5	PCB-093/098/100/102			ND		0.160	0.0313	
5	PCB-094			ND		0.0399	0.00736	
5	PCB-095			ND		0.112	0.0363	
5	PCB-096			ND		0.0399	0.00878	
5	PCB-099			ND		0.0399	0.0150	
5	PCB-103			ND		0.0399	0.00840	
5	PCB-104			ND		0.0399	0.00958	
5	PCB-105			ND		0.0399	0.00726	
5	PCB-106			ND		0.0399	0.00589	
5	PCB-107/124			ND		0.0798	0.0106	
5	PCB-109			ND		0.0399	0.00501	
5	PCB-110/115			ND		0.0798	0.0299	
5	PCB-111			ND		0.0399	0.00728	
5	PCB-112			ND		0.0399	0.00860	
5	PCB-114			ND		0.0399	0.00507	
5	PCB-118			ND		0.0623	0.0148	
5	PCB-120			ND		0.0399	0.00904	
5	PCB-121			ND		0.0399	0.00740	
5	PCB-122			ND		0.0399	0.00639	
5	PCB-123			ND		0.0399	0.00633	
5	PCB-126			ND		0.0399	0.00641	
5	PCB-127			ND		0.0399	0.00429	
6	PCB-128/166			ND		0.0798	0.0127	
6	PCB-129/138/163	41.20	1.30	0.0450	BJ	0.120	0.0221	
6	PCB-130			ND		0.0399	0.00734	
6	PCB-131			ND		0.0399	0.00730	
6	PCB-132	38.08	1.21	0.0215	BJ	0.0399	0.00900	
6	PCB-133			ND		0.0399	0.00750	
6	PCB-134/143			ND		0.0798	0.0143	
6	PCB-135/151	35.82	1.11	0.0384	BJ	0.0798	0.0197	

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Sample Analysis Summary

Method 1668A

Page 5 of 7

Client Sample ID: **GW-P24-250207**

Lab Sample ID: 10723330003

Lab File ID: P250304A_11

Matrix: Water

Percent Solids: N/A

Date Collected: 02/07/2025 09:45

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 14:52

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 1000mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
6	PCB-136	33.30	1.08	0.0138	J	0.0399	0.0108	
6	PCB-137			ND		0.0399	0.00802	
6	PCB-139/140			ND		0.0798	0.0115	
6	PCB-141	40.11	1.21	0.0107	BJ	0.0399	0.00938	
6	PCB-142			ND		0.0399	0.00585	
6	PCB-144			ND		0.0399	0.0107	
6	PCB-145			ND		0.0399	0.00884	
6	PCB-146	39.27	1.23	0.00828	J	0.0399	0.00738	
6	PCB-147/149	36.79	1.27	0.0631	BJ	0.0798	0.0235	
6	PCB-148			ND		0.0399	0.00898	
6	PCB-150			ND		0.0399	0.00854	
6	PCB-152			ND		0.0399	0.00882	
6	PCB-153/168	39.92	1.29	0.0377	BJ	0.0798	0.0214	
6	PCB-154			ND		0.0399	0.00824	
6	PCB-155			ND		0.0399	0.0105	
6	PCB-156/157			ND		0.0798	0.0107	
6	PCB-158			ND		0.0399	0.00619	
6	PCB-159			ND		0.0399	0.00613	
6	PCB-160			ND		0.0399	0.00581	
6	PCB-161			ND		0.0399	0.00758	
6	PCB-162			ND		0.0399	0.00615	
6	PCB-164			ND		0.0399	0.00639	
6	PCB-165			ND		0.0399	0.00621	
6	PCB-167			ND		0.0399	0.00591	
6	PCB-169			ND		0.0399	0.00587	
7	PCB-170	48.18	1.09	0.0204	J	0.0399	0.00838	
7	PCB-171/173			ND		0.0798	0.0130	
7	PCB-172			ND		0.0399	0.00800	
7	PCB-174	43.47	0.99	0.0279	BJ	0.0399	0.00974	
7	PCB-175			ND		0.0399	0.00784	
7	PCB-176			ND		0.0399	0.00846	
7	PCB-177	43.90	1.16	0.0171	BJ	0.0399	0.00808	
7	PCB-178			ND		0.0399	0.00956	
7	PCB-179	38.87	1.03	0.0151	BJ	0.0399	0.00874	

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Sample Analysis Summary

Method 1668A

Page 6 of 7

Client Sample ID: **GW-P24-250207**

Lab Sample ID: 10723330003

Lab File ID: P250304A_11

Matrix: Water

Percent Solids: N/A

Date Collected: 02/07/2025 09:45

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 14:52

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 1000mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
7	PCB-180/193	46.89	1.06	0.0456	BJ	0.0798	0.0154	
7	PCB-181			ND		0.0399	0.00726	
7	PCB-182			ND		0.0399	0.00820	
7	PCB-183/185	43.23	1.07	0.0189	J	0.0798	0.0141	
7	PCB-184			ND		0.0399	0.00836	
7	PCB-186			ND		0.0399	0.00850	
7	PCB-187	42.59	1.06	0.0344	BJ	0.0399	0.0129	
7	PCB-188			ND		0.0399	0.00758	
7	PCB-189			ND		0.0399	0.00770	
7	PCB-190			ND		0.0399	0.00700	
7	PCB-191			ND		0.0399	0.00656	
7	PCB-192			ND		0.0399	0.00770	
8	PCB-194	53.51	1.02	0.00854	J	0.0399	0.00744	
8	PCB-195			ND		0.0399	0.00688	
8	PCB-196			ND		0.0399	0.00864	
8	PCB-197/200			ND		0.0798	0.0165	
8	PCB-198/199			ND		0.0798	0.0125	
8	PCB-201			ND		0.0399	0.00798	
8	PCB-202			ND		0.0399	0.00764	
8	PCB-203			ND		0.0399	0.00690	
8	PCB-204			ND		0.0399	0.00627	
8	PCB-205			ND		0.0399	0.00744	
9	PCB-206			ND		0.0399	0.0122	
9	PCB-207			ND		0.0399	0.00936	
9	PCB-208			ND		0.0399	0.00798	
10	PCB-209			ND		0.0399	0.0125	

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **GW-P24-250207**

Lab Sample ID: 10723330003

Lab File ID: P250304A_11

Matrix: Water

Percent Solids: N/A

Date Collected: 02/07/2025 09:45

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 14:52

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 1000mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

Homologue	Concentration (ng/L)	Q
Total MoCB	ND	
Total DiCB	ND	
Total TrCB	ND	
Total TeCB	ND	
Total PeCB	ND	
Total HxCB	0.238	JB
Total HpCB	0.179	JB
Total OcCB	0.00854	JB
Total NoCB	ND	
DeCB	ND	
Total PCBs	0.426	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **GW-P24-FD-250207**

Lab Sample ID: 10723330004

Lab File ID: P250304A_12

Matrix: Water

Percent Solids: N/A

Date Collected: 02/07/2025 09:52

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 15:54

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117705

Prep. Technique: Liquid/Liq

Total Amount Extracted: 992mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.93	3.17	2.00	0.668	33	
1	PCB-003L	12.69	3.25	2.00	0.668	33	
2	PCB-004L	12.98	1.57	2.00	0.928	46	
2	PCB-015L	20.03	1.64	2.00	1.14	57	
3	PCB-019L	16.76	1.04	2.00	0.994	50	
3	PCB-037L	27.80	1.09	2.00	1.27	63	
4	PCB-054L	20.37	0.79	2.00	0.795	40	
4	PCB-077L	35.53	0.83	2.00	1.62	81	
4	PCB-081L	34.94	0.82	2.00	1.62	81	
5	PCB-104L	26.49	1.56	2.00	1.05	52	
5	PCB-105L	39.17	1.63	2.00	1.46	73	
5	PCB-114L	38.51	1.63	2.00	1.47	74	
5	PCB-118L	37.96	1.61	2.00	1.49	74	
5	PCB-123L	37.61	1.59	2.00	1.50	75	
5	PCB-126L	42.36	1.63	2.00	1.65	83	
6	PCB-155L	32.56	1.25	2.00	1.29	65	
6	PCB-156/157L	45.45	1.29	4.00	3.12	78	
6	PCB-167L	44.27	1.28	2.00	1.58	79	
6	PCB-169L	48.77	1.27	2.00	1.58	79	
7	PCB-188L	38.50	1.06	2.00	1.73	87	
7	PCB-189L	51.36	1.07	2.00	1.61	81	
8	PCB-202L	44.02	0.91	2.00	1.78	89	
8	PCB-205L	53.99	0.91	2.00	1.58	79	
9	PCB-206L	55.76	0.80	2.00	1.62	81	
9	PCB-208L	50.86	0.79	2.00	1.73	87	
10	PCB-209L	57.39	0.70	2.00	1.66	83	
Recovery Standards							
2	PCB-009L	15.43	1.62	2.00	1.52	N/A	
4	PCB-052L	25.43	0.78	2.00	2.15	N/A	
5	PCB-101L	32.77	1.59	2.00	2.19	N/A	
6	PCB-138L	41.16	1.26	2.00	2.20	N/A	
8	PCB-194L	53.49	0.90	2.00	1.98	N/A	
Cleanup Standards							
3	PCB-028L	23.45	1.08	2.00	1.14	57	
5	PCB-111L	35.57	1.56	2.00	1.47	74	
7	PCB-178L	41.63	1.05	2.00	1.82	91	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **GW-P24-FD-250207**

Lab Sample ID: 10723330004

Lab File ID: P250304A_12

Matrix: Water

Percent Solids: N/A

Date Collected: 02/07/2025 09:52

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 15:54

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 992mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
1	PCB-001			ND		0.0403	0.0107	
1	PCB-002			ND		0.0403	0.00766	
1	PCB-003			ND		0.0403	0.0135	
2	PCB-004			ND		0.0403	0.0125	
2	PCB-005			ND		0.0403	0.00974	
2	PCB-006			ND		0.0403	0.00605	
2	PCB-007			ND		0.0403	0.00510	
2	PCB-008			ND		0.0403	0.0177	
2	PCB-009			ND		0.0403	0.00565	
2	PCB-010			ND		0.0403	0.00651	
2	PCB-011			ND		0.395	0.155	
2	PCB-012/013			ND		0.0807	0.00968	
2	PCB-014			ND		0.0403	0.00567	
2	PCB-015			ND		0.0532	0.0105	
3	PCB-016			ND		0.0403	0.00988	
3	PCB-017			ND		0.0403	0.00928	
3	PCB-018/030			ND		0.0807	0.0202	
3	PCB-019			ND		0.0403	0.00799	
3	PCB-020/028			ND		0.208	0.0300	
3	PCB-021/033			ND		0.218	0.0302	
3	PCB-022			ND		0.153	0.0242	
3	PCB-023			ND		0.0403	0.00444	
3	PCB-024			ND		0.0403	0.00571	
3	PCB-025			ND		0.0403	0.00615	
3	PCB-026/029			ND		0.0807	0.00996	
3	PCB-027			ND		0.0403	0.00637	
3	PCB-031			ND		0.210	0.0407	
3	PCB-032			ND		0.0403	0.00645	
3	PCB-034			ND		0.0403	0.00615	
3	PCB-035			ND		0.0403	0.00565	
3	PCB-036			ND		0.0403	0.00561	
3	PCB-037			ND		0.0855	0.0122	
3	PCB-038			ND		0.0403	0.00565	
3	PCB-039			ND		0.0403	0.00512	

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **GW-P24-FD-250207**

Lab Sample ID: 10723330004

Lab File ID: P250304A_12

Matrix: Water

Percent Solids: N/A

Date Collected: 02/07/2025 09:52

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 15:54

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 992mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
4	PCB-040/041/071			ND		0.121	0.0218	
4	PCB-042			ND		0.0403	0.00762	
4	PCB-043/073			ND		0.0807	0.0135	
4	PCB-044/047/065			ND		0.121	0.0252	
4	PCB-045/051			ND		0.0807	0.0119	
4	PCB-046			ND		0.0403	0.00617	
4	PCB-048			ND		0.0403	0.00710	
4	PCB-069/049			ND		0.0807	0.0184	
4	PCB-050/053			ND		0.0807	0.0110	
4	PCB-052			ND		0.208	0.0565	
4	PCB-054			ND		0.0403	0.00774	
4	PCB-055			ND		0.0403	0.00645	
4	PCB-056			ND		0.0403	0.00847	
4	PCB-057			ND		0.0403	0.00551	
4	PCB-058			ND		0.0403	0.00766	
4	PCB-059/062/075			ND		0.121	0.0179	
4	PCB-060			ND		0.0403	0.00639	
4	PCB-061/070/074/076			ND		0.161	0.0343	
4	PCB-063			ND		0.0403	0.00599	
4	PCB-064			ND		0.0403	0.00968	
4	PCB-066			ND		0.0952	0.0153	
4	PCB-067			ND		0.0403	0.00534	
4	PCB-068			ND		0.0403	0.00540	
4	PCB-072			ND		0.0403	0.00508	
4	PCB-077			ND		0.0403	0.00549	
4	PCB-078			ND		0.0403	0.00639	
4	PCB-079			ND		0.0403	0.00625	
4	PCB-080			ND		0.0403	0.00565	
4	PCB-081			ND		0.0403	0.00504	
5	PCB-082			ND		0.0403	0.00910	
5	PCB-083			ND		0.0403	0.00918	
5	PCB-084			ND		0.0403	0.0103	
5	PCB-085/116/117			ND		0.121	0.0224	
5	PCB-086/087/097/108/119/12			ND		0.242	0.0496	

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Sample Analysis Summary

Method 1668A

Page 4 of 7

Client Sample ID: **GW-P24-FD-250207**

Lab Sample ID: 10723330004

Lab File ID: P250304A_12

Matrix: Water

Percent Solids: N/A

Date Collected: 02/07/2025 09:52

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 15:54

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 992mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
5	PCB-088/091			ND		0.0807	0.0165	
5	PCB-089			ND		0.0403	0.00726	
5	PCB-090/101/113			ND		0.121	0.0403	
5	PCB-092			ND		0.0403	0.00847	
5	PCB-093/098/100/102			ND		0.161	0.0317	
5	PCB-094			ND		0.0403	0.00744	
5	PCB-095			ND		0.113	0.0367	
5	PCB-096			ND		0.0403	0.00887	
5	PCB-099			ND		0.0403	0.0151	
5	PCB-103			ND		0.0403	0.00849	
5	PCB-104			ND		0.0403	0.00968	
5	PCB-105			ND		0.0403	0.00734	
5	PCB-106			ND		0.0403	0.00595	
5	PCB-107/124			ND		0.0807	0.0107	
5	PCB-109			ND		0.0403	0.00506	
5	PCB-110/115			ND		0.0807	0.0302	
5	PCB-111			ND		0.0403	0.00736	
5	PCB-112			ND		0.0403	0.00869	
5	PCB-114			ND		0.0403	0.00512	
5	PCB-118			ND		0.0629	0.0149	
5	PCB-120			ND		0.0403	0.00914	
5	PCB-121			ND		0.0403	0.00748	
5	PCB-122			ND		0.0403	0.00645	
5	PCB-123			ND		0.0403	0.00639	
5	PCB-126			ND		0.0403	0.00647	
5	PCB-127			ND		0.0403	0.00434	
6	PCB-128/166			ND		0.0807	0.0128	
6	PCB-129/138/163	41.20	1.25	0.0256	BJ	0.121	0.0224	
6	PCB-130			ND		0.0403	0.00742	
6	PCB-131			ND		0.0403	0.00738	
6	PCB-132	38.08	1.33	0.0125	BJ	0.0403	0.00910	
6	PCB-133			ND		0.0403	0.00758	
6	PCB-134/143			ND		0.0807	0.0145	
6	PCB-135/151	35.82	1.37	0.0201	BJ	0.0807	0.0199	

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Sample Analysis Summary

Method 1668A

Page 5 of 7

Client Sample ID: **GW-P24-FD-250207**

Lab Sample ID: 10723330004

Lab File ID: P250304A_12

Matrix: Water

Percent Solids: N/A

Date Collected: 02/07/2025 09:52

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 15:54

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 992mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
6	PCB-136			ND		0.0403	0.0109	
6	PCB-137			ND		0.0403	0.00811	
6	PCB-139/140			ND		0.0807	0.0116	
6	PCB-141			ND		0.0403	0.00948	
6	PCB-142			ND		0.0403	0.00591	
6	PCB-144			ND		0.0403	0.0108	
6	PCB-145			ND		0.0403	0.00893	
6	PCB-146			ND		0.0403	0.00746	
6	PCB-147/149	36.79	1.25	0.0338	BJ	0.0807	0.0238	
6	PCB-148			ND		0.0403	0.00907	
6	PCB-150			ND		0.0403	0.00863	
6	PCB-152			ND		0.0403	0.00891	
6	PCB-153/168	39.92	1.22	0.0218	BJ	0.0807	0.0216	
6	PCB-154			ND		0.0403	0.00833	
6	PCB-155			ND		0.0403	0.0106	
6	PCB-156/157			ND		0.0807	0.0108	
6	PCB-158			ND		0.0403	0.00625	
6	PCB-159			ND		0.0403	0.00619	
6	PCB-160			ND		0.0403	0.00587	
6	PCB-161			ND		0.0403	0.00766	
6	PCB-162			ND		0.0403	0.00621	
6	PCB-164			ND		0.0403	0.00645	
6	PCB-165			ND		0.0403	0.00627	
6	PCB-167			ND		0.0403	0.00597	
6	PCB-169			ND		0.0403	0.00593	
7	PCB-170			ND		0.0403	0.00847	
7	PCB-171/173			ND		0.0807	0.0132	
7	PCB-172			ND		0.0403	0.00809	
7	PCB-174	43.47	0.95	0.0126	BJ	0.0403	0.00984	
7	PCB-175			ND		0.0403	0.00793	
7	PCB-176			ND		0.0403	0.00855	
7	PCB-177			ND		0.0403	0.00817	
7	PCB-178			ND		0.0403	0.00966	
7	PCB-179			ND		0.0403	0.00883	

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Sample Analysis Summary

Method 1668A

Page 6 of 7

Client Sample ID: **GW-P24-FD-250207**

Lab Sample ID: 10723330004

Lab File ID: P250304A_12

Matrix: Water

Percent Solids: N/A

Date Collected: 02/07/2025 09:52

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 15:54

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 992mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
7	PCB-180/193	46.90	1.06	0.0174	BJ	0.0807	0.0155	
7	PCB-181			ND		0.0403	0.00734	
7	PCB-182			ND		0.0403	0.00829	
7	PCB-183/185			ND		0.0807	0.0142	
7	PCB-184			ND		0.0403	0.00845	
7	PCB-186			ND		0.0403	0.00859	
7	PCB-187	42.59	1.08	0.0144	BJ	0.0403	0.0130	
7	PCB-188			ND		0.0403	0.00766	
7	PCB-189			ND		0.0403	0.00778	
7	PCB-190			ND		0.0403	0.00708	
7	PCB-191			ND		0.0403	0.00663	
7	PCB-192			ND		0.0403	0.00778	
8	PCB-194			ND		0.0403	0.00752	
8	PCB-195			ND		0.0403	0.00696	
8	PCB-196			ND		0.0403	0.00873	
8	PCB-197/200			ND		0.0807	0.0167	
8	PCB-198/199			ND		0.0807	0.0126	
8	PCB-201			ND		0.0403	0.00807	
8	PCB-202			ND		0.0403	0.00772	
8	PCB-203			ND		0.0403	0.00698	
8	PCB-204			ND		0.0403	0.00633	
8	PCB-205			ND		0.0403	0.00752	
9	PCB-206			ND		0.0403	0.0123	
9	PCB-207			ND		0.0403	0.00946	
9	PCB-208			ND		0.0403	0.00807	
10	PCB-209			ND		0.0403	0.0126	

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **GW-P24-FD-250207**

Lab Sample ID: 10723330004

Lab File ID: P250304A_12

Matrix: Water

Percent Solids: N/A

Date Collected: 02/07/2025 09:52

Date Received: 02/10/2025 08:50

Date Extracted: 02/25/2025 13:00

Date Analyzed: 03/04/2025 15:54

Method Blank ID: BLANK-117703

Lab Spike ID(s): LCS-117704/LCSD-117

Prep. Technique: Liquid/Liq

Total Amount Extracted: 992mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: CVS

Instrument ID: 10MSHR09 (P)

GC Column ID: 285758-02

Ical ID: P250304A02

CCal File(s): P250304A_01

Homologue	Concentration (ng/L)	Q
Total MoCB	ND	
Total DiCB	ND	
Total TrCB	ND	
Total TeCB	ND	
Total PeCB	ND	
Total HxCB	0.114	JB
Total HpCB	0.0445	JB
Total OcCB	ND	
Total NoCB	ND	
DeCB	ND	
Total PCBs	0.158	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **CBLKDR**
 Lab Sample ID: BLANK-117703
 Lab File ID: P250229A_06
 Matrix: Water
 Percent Solids: N/A
 Date Collected: 02/25/2025 10:01
 Date Received: 02/25/2025 10:01
 Date Extracted: 02/25/2025 13:00
 Date Analyzed: 03/01/2025 10:19

Prep. Technique: Liquid/Liq
 Total Amount Extracted: 1000mL
 Dry Weight Extracted: N/A
 Extract Volume: 20 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: CVS
 Instrument ID: 10MSHR09 (P)
 GC Column ID: 285758-02
 Ical ID: P250229A02
 CCal File(s): P250229A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	10.21	3.20	2.00	0.765	38	
1	PCB-003L	13.00	3.21	2.00	0.939	47	
2	PCB-004L	13.31	1.56	2.00	0.904	45	
2	PCB-015L	20.38	1.66	2.00	1.24	62	
3	PCB-019L	17.12	1.07	2.00	0.941	47	
3	PCB-037L	28.16	1.07	2.00	1.25	62	
4	PCB-054L	20.73	0.79	2.00	0.754	38	
4	PCB-077L	35.90	0.83	2.00	1.64	82	
4	PCB-081L	35.31	0.80	2.00	1.60	80	
5	PCB-104L	26.86	1.56	2.00	0.765	38	
5	PCB-105L	39.54	1.62	2.00	1.70	85	
5	PCB-114L	38.87	1.63	2.00	1.61	80	
5	PCB-118L	38.31	1.62	2.00	1.62	81	
5	PCB-123L	37.98	1.61	2.00	1.56	78	
5	PCB-126L	42.70	1.60	2.00	1.79	89	
6	PCB-155L	32.93	1.28	2.00	0.791	40	
6	PCB-156/157L	45.80	1.29	4.00	3.22	81	
6	PCB-167L	44.60	1.30	2.00	1.62	81	
6	PCB-169L	49.08	1.30	2.00	1.59	80	
7	PCB-188L	38.87	1.07	2.00	1.56	78	
7	PCB-189L	51.66	1.09	2.00	1.79	89	
8	PCB-202L	44.37	0.88	2.00	1.83	92	
8	PCB-205L	54.27	0.91	2.00	1.60	80	
9	PCB-206L	56.04	0.81	2.00	1.47	73	
9	PCB-208L	51.19	0.80	2.00	1.75	88	
10	PCB-209L	57.68	0.71	2.00	1.36	68	
Recovery Standards							
2	PCB-009L	15.76	1.63	2.00	1.92	N/A	
4	PCB-052L	25.81	0.79	2.00	2.53	N/A	
5	PCB-101L	33.13	1.56	2.00	2.45	N/A	
6	PCB-138L	41.53	1.27	2.00	2.66	N/A	
8	PCB-194L	53.80	0.92	2.00	2.15	N/A	
Cleanup Standards							
3	PCB-028L	23.80	1.06	2.00	1.17	58	
5	PCB-111L	35.95	1.59	2.00	1.43	71	
7	PCB-178L	41.98	1.04	2.00	1.51	75	

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Method Blank Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **CBLKDR**
 Lab Sample ID: BLANK-117703
 Lab File ID: P250229A_06
 Matrix: Water
 Percent Solids: N/A
 Date Collected: 02/25/2025 10:01
 Date Received: 02/25/2025 10:01
 Date Extracted: 02/25/2025 13:00
 Date Analyzed: 03/01/2025 10:19

Prep. Technique: Liquid/Liq
 Total Amount Extracted: 1000mL
 Dry Weight Extracted: N/A
 Extract Volume: 20 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: CVS
 Instrument ID: 10MSHR09 (P)
 GC Column ID: 285758-02
 Ical ID: P250229A02
 CCal File(s): P250229A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
1	PCB-001			ND		0.0400	0.0106	
1	PCB-002			ND		0.0400	0.00760	
1	PCB-003			ND		0.0400	0.0134	
2	PCB-004			ND		0.0400	0.0124	
2	PCB-005			ND		0.0400	0.00966	
2	PCB-006			ND		0.0400	0.00600	
2	PCB-007			ND		0.0400	0.00506	
2	PCB-008			ND		0.0400	0.0176	
2	PCB-009			ND		0.0400	0.00560	
2	PCB-010			ND		0.0400	0.00646	
2	PCB-011			ND		0.392	0.154	
2	PCB-012/013			ND		0.0800	0.00960	
2	PCB-014			ND		0.0400	0.00562	
2	PCB-015			ND		0.0528	0.0104	
3	PCB-016			ND		0.0400	0.00980	
3	PCB-017			ND		0.0400	0.00920	
3	PCB-018/030			ND		0.0800	0.0200	
3	PCB-019			ND		0.0400	0.00792	
3	PCB-020/028			ND		0.206	0.0298	
3	PCB-021/033			ND		0.216	0.0300	
3	PCB-022			ND		0.152	0.0240	
3	PCB-023			ND		0.0400	0.00440	
3	PCB-024			ND		0.0400	0.00566	
3	PCB-025			ND		0.0400	0.00610	
3	PCB-026/029			ND		0.0800	0.00988	
3	PCB-027			ND		0.0400	0.00632	
3	PCB-031			ND		0.208	0.0404	
3	PCB-032			ND		0.0400	0.00640	
3	PCB-034			ND		0.0400	0.00610	
3	PCB-035			ND		0.0400	0.00560	
3	PCB-036			ND		0.0400	0.00556	
3	PCB-037			ND		0.0848	0.0121	
3	PCB-038			ND		0.0400	0.00560	
3	PCB-039			ND		0.0400	0.00508	

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Method Blank Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **CBLKDR**
 Lab Sample ID: BLANK-117703
 Lab File ID: P250229A_06
 Matrix: Water
 Percent Solids: N/A
 Date Collected: 02/25/2025 10:01
 Date Received: 02/25/2025 10:01
 Date Extracted: 02/25/2025 13:00
 Date Analyzed: 03/01/2025 10:19

Prep. Technique: Liquid/Liq
 Total Amount Extracted: 1000mL
 Dry Weight Extracted: N/A
 Extract Volume: 20 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: CVS
 Instrument ID: 10MSHR09 (P)
 GC Column ID: 285758-02
 Ical ID: P250229A02
 CCal File(s): P250229A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
4	PCB-040/041/071			ND		0.120	0.0216	
4	PCB-042			ND		0.0400	0.00756	
4	PCB-043/073			ND		0.0800	0.0133	
4	PCB-044/047/065			ND		0.120	0.0250	
4	PCB-045/051			ND		0.0800	0.0118	
4	PCB-046			ND		0.0400	0.00612	
4	PCB-048			ND		0.0400	0.00704	
4	PCB-069/049			ND		0.0800	0.0182	
4	PCB-050/053			ND		0.0800	0.0109	
4	PCB-052			ND		0.206	0.0560	
4	PCB-054			ND		0.0400	0.00768	
4	PCB-055			ND		0.0400	0.00640	
4	PCB-056			ND		0.0400	0.00840	
4	PCB-057			ND		0.0400	0.00546	
4	PCB-058			ND		0.0400	0.00760	
4	PCB-059/062/075			ND		0.120	0.0177	
4	PCB-060			ND		0.0400	0.00634	
4	PCB-061/070/074/076			ND		0.160	0.0340	
4	PCB-063			ND		0.0400	0.00594	
4	PCB-064			ND		0.0400	0.00960	
4	PCB-066			ND		0.0944	0.0152	
4	PCB-067			ND		0.0400	0.00530	
4	PCB-068			ND		0.0400	0.00536	
4	PCB-072			ND		0.0400	0.00504	
4	PCB-077			ND		0.0400	0.00544	
4	PCB-078			ND		0.0400	0.00634	
4	PCB-079			ND		0.0400	0.00620	
4	PCB-080			ND		0.0400	0.00560	
4	PCB-081			ND		0.0400	0.00500	
5	PCB-082			ND		0.0400	0.00902	
5	PCB-083			ND		0.0400	0.00910	
5	PCB-084			ND		0.0400	0.0102	
5	PCB-085/116/117			ND		0.120	0.0222	
5	PCB-086/087/097/108/119/12			ND		0.240	0.0492	

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Method Blank Analysis Summary

Method 1668A

Page 4 of 7

Client Sample ID: **CBLKDR**
 Lab Sample ID: BLANK-117703
 Lab File ID: P250229A_06
 Matrix: Water
 Percent Solids: N/A
 Date Collected: 02/25/2025 10:01
 Date Received: 02/25/2025 10:01
 Date Extracted: 02/25/2025 13:00
 Date Analyzed: 03/01/2025 10:19

Prep. Technique: Liquid/Liq
 Total Amount Extracted: 1000mL
 Dry Weight Extracted: N/A
 Extract Volume: 20 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: CVS
 Instrument ID: 10MSHR09 (P)
 GC Column ID: 285758-02
 Ical ID: P250229A02
 CCal File(s): P250229A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
5	PCB-088/091			ND		0.0800	0.0164	
5	PCB-089			ND		0.0400	0.00720	
5	PCB-090/101/113			ND		0.120	0.0400	
5	PCB-092			ND		0.0400	0.00840	
5	PCB-093/098/100/102			ND		0.160	0.0314	
5	PCB-094			ND		0.0400	0.00738	
5	PCB-095			ND		0.112	0.0364	
5	PCB-096			ND		0.0400	0.00880	
5	PCB-099			ND		0.0400	0.0150	
5	PCB-103			ND		0.0400	0.00842	
5	PCB-104			ND		0.0400	0.00960	
5	PCB-105			ND		0.0400	0.00728	
5	PCB-106			ND		0.0400	0.00590	
5	PCB-107/124			ND		0.0800	0.0106	
5	PCB-109			ND		0.0400	0.00502	
5	PCB-110/115			ND		0.0800	0.0300	
5	PCB-111			ND		0.0400	0.00730	
5	PCB-112			ND		0.0400	0.00862	
5	PCB-114			ND		0.0400	0.00508	
5	PCB-118			ND		0.0624	0.0148	
5	PCB-120			ND		0.0400	0.00906	
5	PCB-121			ND		0.0400	0.00742	
5	PCB-122			ND		0.0400	0.00640	
5	PCB-123			ND		0.0400	0.00634	
5	PCB-126			ND		0.0400	0.00642	
5	PCB-127			ND		0.0400	0.00430	
6	PCB-128/166			ND		0.0800	0.0127	
6	PCB-129/138/163	41.55	1.17	0.0486	J	0.120	0.0222	
6	PCB-130			ND		0.0400	0.00736	
6	PCB-131			ND		0.0400	0.00732	
6	PCB-132	38.45	1.25	0.0185	J	0.0400	0.00902	
6	PCB-133			ND		0.0400	0.00752	
6	PCB-134/143			ND		0.0800	0.0144	
6	PCB-135/151	36.19	1.32	0.0212	J	0.0800	0.0198	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
 1700 Elm Street
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444
 www.pacelabs.com

Method Blank Analysis Summary

Method 1668A

Page 5 of 7

Client Sample ID: **CBLKDR**
 Lab Sample ID: BLANK-117703
 Lab File ID: P250229A_06
 Matrix: Water
 Percent Solids: N/A
 Date Collected: 02/25/2025 10:01
 Date Received: 02/25/2025 10:01
 Date Extracted: 02/25/2025 13:00
 Date Analyzed: 03/01/2025 10:19

Prep. Technique: Liquid/Liq
 Total Amount Extracted: 1000mL
 Dry Weight Extracted: N/A
 Extract Volume: 20 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: CVS
 Instrument ID: 10MSHR09 (P)
 GC Column ID: 285758-02
 Ical ID: P250229A02
 CCal File(s): P250229A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
6	PCB-136			ND		0.0400	0.0108	
6	PCB-137			ND		0.0400	0.00804	
6	PCB-139/140			ND		0.0800	0.0115	
6	PCB-141	40.47	1.14	0.0119	J	0.0400	0.00940	
6	PCB-142			ND		0.0400	0.00586	
6	PCB-144			ND		0.0400	0.0107	
6	PCB-145			ND		0.0400	0.00886	
6	PCB-146			ND		0.0400	0.00740	
6	PCB-147/149	37.15	1.22	0.0614	J	0.0800	0.0236	
6	PCB-148			ND		0.0400	0.00900	
6	PCB-150			ND		0.0400	0.00856	
6	PCB-152			ND		0.0400	0.00884	
6	PCB-153/168	40.27	1.25	0.0441	J	0.0800	0.0214	
6	PCB-154			ND		0.0400	0.00826	
6	PCB-155			ND		0.0400	0.0106	
6	PCB-156/157			ND		0.0800	0.0107	
6	PCB-158			ND		0.0400	0.00620	
6	PCB-159			ND		0.0400	0.00614	
6	PCB-160			ND		0.0400	0.00582	
6	PCB-161			ND		0.0400	0.00760	
6	PCB-162			ND		0.0400	0.00616	
6	PCB-164			ND		0.0400	0.00640	
6	PCB-165			ND		0.0400	0.00622	
6	PCB-167			ND		0.0400	0.00592	
6	PCB-169			ND		0.0400	0.00588	
7	PCB-170			ND		0.0400	0.00840	
7	PCB-171/173			ND		0.0800	0.0131	
7	PCB-172			ND		0.0400	0.00802	
7	PCB-174	43.82	1.02	0.0173	J	0.0400	0.00976	
7	PCB-175			ND		0.0400	0.00786	
7	PCB-176			ND		0.0400	0.00848	
7	PCB-177	44.27	1.11	0.0108	J	0.0400	0.00810	
7	PCB-178			ND		0.0400	0.00958	
7	PCB-179	39.23	1.04	0.0103	J	0.0400	0.00876	

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Method Blank Analysis Summary

Method 1668A

Page 6 of 7

Client Sample ID: **CBLKDR**
Lab Sample ID: BLANK-117703
Lab File ID: P250229A_06
Matrix: Water
Percent Solids: N/A
Date Collected: 02/25/2025 10:01
Date Received: 02/25/2025 10:01
Date Extracted: 02/25/2025 13:00
Date Analyzed: 03/01/2025 10:19

Prep. Technique: Liquid/Liq
Total Amount Extracted: 1000mL
Dry Weight Extracted: N/A
Extract Volume: 20 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: CVS
Instrument ID: 10MSHR09 (P)
GC Column ID: 285758-02
Ical ID: P250229A02
Ccal File(s): P250229A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
7	PCB-180/193	47.22	1.01	0.0209	J	0.0800	0.0154	
7	PCB-181			ND		0.0400	0.00728	
7	PCB-182			ND		0.0400	0.00822	
7	PCB-183/185			ND		0.0800	0.0141	
7	PCB-184			ND		0.0400	0.00838	
7	PCB-186			ND		0.0400	0.00852	
7	PCB-187	42.94	1.06	0.0181	J	0.0400	0.0129	
7	PCB-188			ND		0.0400	0.00760	
7	PCB-189			ND		0.0400	0.00772	
7	PCB-190			ND		0.0400	0.00702	
7	PCB-191			ND		0.0400	0.00658	
7	PCB-192			ND		0.0400	0.00772	
8	PCB-194			ND		0.0400	0.00746	
8	PCB-195			ND		0.0400	0.00690	
8	PCB-196			ND		0.0400	0.00866	
8	PCB-197/200			ND		0.0800	0.0166	
8	PCB-198/199			ND		0.0800	0.0125	
8	PCB-201			ND		0.0400	0.00800	
8	PCB-202			ND		0.0400	0.00766	
8	PCB-203			ND		0.0400	0.00692	
8	PCB-204			ND		0.0400	0.00628	
8	PCB-205			ND		0.0400	0.00746	
9	PCB-206			ND		0.0400	0.0122	
9	PCB-207			ND		0.0400	0.00938	
9	PCB-208			ND		0.0400	0.00800	
10	PCB-209			ND		0.0400	0.0125	

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **CBLKDR**
Lab Sample ID: BLANK-117703
Lab File ID: P250229A_06
Matrix: Water
Percent Solids: N/A
Date Collected: 02/25/2025 10:01
Date Received: 02/25/2025 10:01
Date Extracted: 02/25/2025 13:00
Date Analyzed: 03/01/2025 10:19

Prep. Technique: Liquid/Liq
Total Amount Extracted: 1000mL
Dry Weight Extracted: N/A
Extract Volume: 20 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: CVS
Instrument ID: 10MSHR09 (P)
GC Column ID: 285758-02
Ical ID: P250229A02
CCal File(s): P250229A_01

Homologue	Concentration (ng/L)	Q
Total MoCB	ND	
Total DiCB	ND	
Total TrCB	ND	
Total TeCB	ND	
Total PeCB	ND	
Total HxCB	0.206	J
Total HpCB	0.0774	J
Total OcCB	ND	
Total NoCB	ND	
DeCB	ND	
Total PCBs	0.283	

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LCS Analysis Summary

Method 1668A

Lab Sample ID LCS-117704
 Matrix Water
 Run File Name P250229A_03
 Amount Extracted 1000mL
 Date Extracted 02/25/2025 13:00
 Date Analyzed 03/01/2025 07:00

Injected By CVS
 Instrument ID 10MSHR09 (P)
 Column ID 285758-02
 Ical ID P250229A02
 CCal ID P250229A_01
 Method Blank ID BLANK-117703

CI No	Analyte	Native Analytes				Labeled Analytes			
		Spiked (ng)	Found (ng)	% Recovery	Q	Spiked (ng)	Found (ng)	% Recovery	Q
1	PCB-001	1.00	1.16	116		2.00	0.871	44	
1	PCB-003	1.00	1.12	112		2.00	1.02	51	
2	PCB-004	1.00	1.18	118		2.00	0.986	49	
2	PCB-015	1.00	1.05	105		2.00	1.34	67	
3	PCB-019	1.00	1.17	117		2.00	1.01	50	
3	PCB-037	1.00	0.987	99		2.00	1.33	67	
4	PCB-054	1.00	1.12	112		2.00	0.824	41	
4	PCB-077	1.00	0.864	86		2.00	1.78	89	
4	PCB-081	1.00	0.890	89		2.00	1.68	84	
5	PCB-104	1.00	1.28	128		2.00	0.867	43	
5	PCB-105	1.00	0.891	89		2.00	1.80	90	
5	PCB-114	1.00	0.896	90		2.00	1.68	84	
5	PCB-118	1.00	0.862	86		2.00	1.70	85	
5	PCB-123	1.00	0.896	90		2.00	1.68	84	
5	PCB-126	1.00	0.860	86		2.00	1.96	98	
6	PCB-155	1.00	1.23	123		2.00	0.839	42	
6	PCB-156/157	2.00	1.76	88		4.00	3.30	83	
6	PCB-167	1.00	0.884	88		2.00	1.64	82	
6	PCB-169	1.00	0.845	85		2.00	1.68	84	
7	PCB-188	1.00	1.01	101		2.00	1.48	74	
7	PCB-189	1.00	0.864	86		2.00	1.72	86	
8	PCB-202	1.00	0.966	97		2.00	1.68	84	
8	PCB-205	1.00	0.893	89		2.00	1.64	82	
9	PCB-206	1.00	0.861	86		2.00	1.51	75	
9	PCB-208	1.00	0.909	91		2.00	1.66	83	
10	PCB-209	1.00	0.832	83		2.00	1.44	72	

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LCS Analysis Summary

Method 1668A

Lab Sample ID LCSD-117705
 Matrix Water
 Run File Name P250229A_04
 Amount Extracted 1000mL
 Date Extracted 02/25/2025 13:00
 Date Analyzed 03/01/2025 08:02

Injected By CVS
 Instrument ID 10MSHR09 (P)
 Column ID 285758-02
 Ical ID P250229A02
 CCal ID P250229A_01
 Method Blank ID BLANK-117703

CI No	Analyte	Native Analytes				Labeled Analytes			
		Spiked (ng)	Found (ng)	% Recovery	Q	Spiked (ng)	Found (ng)	% Recovery	Q
1	PCB-001	1.00	1.15	115		2.00	0.811	41	
1	PCB-003	1.00	1.10	110		2.00	0.997	50	
2	PCB-004	1.00	1.18	118		2.00	0.943	47	
2	PCB-015	1.00	1.04	104		2.00	1.31	65	
3	PCB-019	1.00	1.16	116		2.00	0.987	49	
3	PCB-037	1.00	0.987	99		2.00	1.25	62	
4	PCB-054	1.00	1.13	113		2.00	0.783	39	
4	PCB-077	1.00	0.886	89		2.00	1.63	81	
4	PCB-081	1.00	0.909	91		2.00	1.58	79	
5	PCB-104	1.00	1.28	128		2.00	0.771	39	
5	PCB-105	1.00	0.906	91		2.00	1.59	80	
5	PCB-114	1.00	0.890	89		2.00	1.51	76	
5	PCB-118	1.00	0.870	87		2.00	1.54	77	
5	PCB-123	1.00	0.945	94		2.00	1.47	73	
5	PCB-126	1.00	0.853	85		2.00	1.75	87	
6	PCB-155	1.00	1.32	132		2.00	0.755	38	
6	PCB-156/157	2.00	1.77	89		4.00	3.12	78	
6	PCB-167	1.00	0.895	89		2.00	1.57	78	
6	PCB-169	1.00	0.870	87		2.00	1.56	78	
7	PCB-188	1.00	1.08	108		2.00	1.41	71	
7	PCB-189	1.00	0.885	88		2.00	1.73	86	
8	PCB-202	1.00	0.980	98		2.00	1.72	86	
8	PCB-205	1.00	0.895	89		2.00	1.57	79	
9	PCB-206	1.00	0.882	88		2.00	1.39	70	
9	PCB-208	1.00	0.920	92		2.00	1.67	83	
10	PCB-209	1.00	0.842	84		2.00	1.29	64	

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Spike Recovery Relative Percent Difference (RPD) Results

Method 1668A

Spike 1 ID LCS-117704
Spike 1 Filename P250229A_03

Spike 2 ID LCSD-117705
Spike 2 Filename P250229A_04

Compound	Spike 1 %Rec.	Spike 2 %Rec.	RPD	Q
PCB-001	116	115	1.3	
PCB-003	112	110	1.3	
PCB-004	118	118	0.1	
PCB-015	105	104	1.0	
PCB-019	117	116	1.0	
PCB-037	99	99	0.0	
PCB-054	112	113	0.9	
PCB-077	86	89	2.5	
PCB-081	89	91	2.1	
PCB-104	128	128	0.2	
PCB-105	89	91	1.7	
PCB-114	90	89	0.7	
PCB-118	86	87	1.0	
PCB-123	90	94	5.3	
PCB-126	86	85	0.8	
PCB-155	123	132	7.0	
PCB-156/157	88	89	0.6	
PCB-167	88	89	1.2	
PCB-169	85	87	2.9	
PCB-188	101	108	6.8	
PCB-189	86	88	2.4	
PCB-202	97	98	1.5	
PCB-205	89	89	0.2	
PCB-206	86	88	2.3	
PCB-208	91	92	1.2	
PCB-209	83	84	1.1	

%REC = Percent Recovery

RPD = Relative Percent Difference

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April 30, 2025

Laura McWilliams
LM Consulting
6420 S Macadam Ave
Suite 100
Portland, OR 972393517

RE: Project: BP Remediation
Pace Project No.: 10723332

Dear Laura McWilliams:

Enclosed are the analytical results for sample(s) received by the laboratory on February 10, 2025. 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 - Minneapolis

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

Sincerely,

A handwritten signature in black ink, appearing to read "Julia Fogarty".

Julia Fogarty
julia.fogarty@pacelabs.com
(612)607-1700
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BP Remediation

Pace Project No.: 10723332

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

DoD Certification via A2LA #: 2926.01

EPA Region 8 Tribal Water Systems+Wyoming DW
Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

GMP+ Certification #: GMP050884

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

ISO/IEC 17025 Certification via A2LA #: 2926.01

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Approval: via MN 027-053-137

Minnesota Petrofund Registration #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification (A2LA) #: R-036

North Dakota Certification (MN) #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification (1700) #: CL101

Oklahoma Certification #: 9507

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification via A2LA #: 2926.01

USDA Permit #: P330-19-00208

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SAMPLE SUMMARY

Project: BP Remediation

Pace Project No.: 10723332

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10723332001	SB-01-06-08-250206	Solid	02/06/25 13:15	02/10/25 08:50
10723332002	SB-01-08-10-250206	Solid	02/06/25 13:20	02/10/25 08:50
10723332003	SB-01-10-12-250206	Solid	02/06/25 13:00	02/10/25 08:50
10723332004	SB-01-12-14-250206	Solid	02/06/25 13:05	02/10/25 08:50
10723332005	SB-01-28-30-250206	Solid	02/06/25 13:40	02/10/25 08:50
10723332006	SB-01-32-34-250206	Solid	02/06/25 13:30	02/10/25 08:50
10723332007	SB-01-30-32-250206	Solid	02/06/25 13:50	02/10/25 08:50
10723332008	SB-01-FD-250206	Solid	02/06/25 13:55	02/10/25 08:50
10723332009	SB-05-08-10-250207	Solid	02/07/25 09:20	02/10/25 08:50
10723332010	SB-05-15-16-250207	Solid	02/07/25 09:25	02/10/25 08:50
10723332011	SB-05-16-18-250207	Solid	02/07/25 09:30	02/10/25 08:50
10723332012	SB-05-18-20-250207	Solid	02/07/25 09:35	02/10/25 08:50
10723332013	SB-05-28-30-250207	Solid	02/07/25 09:40	02/10/25 08:50
10723332014	SB-05-30-32-250207	Solid	02/07/25 09:45	02/10/25 08:50
10723332015	SB-05-32-34-250207	Solid	02/07/25 09:50	02/10/25 08:50
10723332016	SB-04-06-08-250207	Solid	02/07/25 12:40	02/10/25 08:50
10723332017	SB-04-08-10-250207	Solid	02/07/25 12:45	02/10/25 08:50
10723332018	SB-04-17-19-250207	Solid	02/07/25 12:50	02/10/25 08:50
10723332019	SB-04-19-20-250207	Solid	02/07/25 12:55	02/10/25 08:50
10723332020	SB-04-26-28-250207	Solid	02/07/25 13:00	02/10/25 08:50
10723332021	SB-04-30-32-250207	Solid	02/07/25 13:05	02/10/25 08:50
10723332022	SB-04-32-34-250207	Solid	02/07/25 13:10	02/10/25 08:50

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SAMPLE ANALYTE COUNT

Project: BP Remediation

Pace Project No.: 10723332

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10723332001	SB-01-06-08-250206	ASTM D2974	JDL	1	PASI-M
10723332002	SB-01-08-10-250206	ASTM D2974	JDL	1	PASI-M
10723332003	SB-01-10-12-250206	ASTM D2974	JDL	1	PASI-M
10723332004	SB-01-12-14-250206	ASTM D2974	JDL	1	PASI-M
10723332005	SB-01-28-30-250206	ASTM D2974	JDL	1	PASI-M
10723332006	SB-01-32-34-250206	ASTM D2974	JDL	1	PASI-M
10723332007	SB-01-30-32-250206	ASTM D2974	JDL	1	PASI-M
10723332008	SB-01-FD-250206	ASTM D2974	JDL	1	PASI-M
10723332009	SB-05-08-10-250207	ASTM D2974	JDL	1	PASI-M
10723332010	SB-05-15-16-250207	ASTM D2974	JDL	1	PASI-M
10723332011	SB-05-16-18-250207	ASTM D2974	JDL	1	PASI-M
10723332012	SB-05-18-20-250207	ASTM D2974	JDL	1	PASI-M
10723332013	SB-05-28-30-250207	ASTM D2974	JDL	1	PASI-M
10723332014	SB-05-30-32-250207	ASTM D2974	JDL	1	PASI-M
10723332015	SB-05-32-34-250207	ASTM D2974	JDL	1	PASI-M
10723332016	SB-04-06-08-250207	ASTM D2974	JDL	1	PASI-M
10723332017	SB-04-08-10-250207	ASTM D2974	JDL	1	PASI-M
10723332018	SB-04-17-19-250207	ASTM D2974	JDL	1	PASI-M
10723332019	SB-04-19-20-250207	ASTM D2974	JDL	1	PASI-M
10723332020	SB-04-26-28-250207	ASTM D2974	JDL	1	PASI-M
10723332021	SB-04-30-32-250207	ASTM D2974	MER	1	PASI-M
10723332022	SB-04-32-34-250207	ASTM D2974	MER	1	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-01-06-08-250206** Lab ID: **10723332001** Collected: 02/06/25 13:15 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	14.1	%	0.10	0.10	1		02/18/25 09:40		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-01-08-10-250206** Lab ID: **10723332002** Collected: 02/06/25 13:20 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	9.3	%	0.10	0.10	1		02/18/25 09:40		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-01-10-12-250206** Lab ID: **10723332003** Collected: 02/06/25 13:00 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	12.9	%	0.10	0.10	1		02/18/25 09:40		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-01-12-14-250206** Lab ID: **10723332004** Collected: 02/06/25 13:05 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	12.7	%	0.10	0.10	1		02/18/25 09:40		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-01-28-30-250206** Lab ID: **10723332005** Collected: 02/06/25 13:40 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	32.4	%	0.10	0.10	1		02/18/25 09:40		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-01-32-34-250206** Lab ID: **10723332006** Collected: 02/06/25 13:30 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	32.8	%	0.10	0.10	1		02/18/25 09:41		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-01-30-32-250206** Lab ID: **10723332007** Collected: 02/06/25 13:50 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	36.6	%	0.10	0.10	1		02/18/25 09:41		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-01-FD-250206** Lab ID: **10723332008** Collected: 02/06/25 13:55 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	33.8	%	0.10	0.10	1		02/18/25 09:41		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-05-08-10-250207** Lab ID: **10723332009** Collected: 02/07/25 09:20 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	11.4	%	0.10	0.10	1		02/18/25 09:41		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-05-15-16-250207** Lab ID: **10723332010** Collected: 02/07/25 09:25 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	13.5	%	0.10	0.10	1		02/18/25 09:41		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-05-16-18-250207** Lab ID: **10723332011** Collected: 02/07/25 09:30 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	64.5	%	0.10	0.10	1		02/18/25 09:42		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-05-18-20-250207** Lab ID: **10723332012** Collected: 02/07/25 09:35 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	69.3	%	0.10	0.10	1		02/18/25 09:42		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-05-28-30-250207** Lab ID: **10723332013** Collected: 02/07/25 09:40 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	30.4	%	0.10	0.10	1		02/18/25 12:21		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-05-30-32-250207** Lab ID: **10723332014** Collected: 02/07/25 09:45 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	43.9	%	0.10	0.10	1		02/18/25 12:21		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-05-32-34-250207** Lab ID: **10723332015** Collected: 02/07/25 09:50 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	38.3	%	0.10	0.10	1		02/18/25 12:22		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-04-06-08-250207** Lab ID: **10723332016** Collected: 02/07/25 12:40 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	11.8	%	0.10	0.10	1		02/18/25 12:22		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-04-08-10-250207** Lab ID: **10723332017** Collected: 02/07/25 12:45 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	11.3	%	0.10	0.10	1		02/18/25 12:22		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-04-17-19-250207** Lab ID: **10723332018** Collected: 02/07/25 12:50 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	12.1	%	0.10	0.10	1		02/18/25 12:22		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-04-19-20-250207** Lab ID: **10723332019** Collected: 02/07/25 12:55 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	55.2	%	0.10	0.10	1		02/18/25 12:22		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-04-26-28-250207** Lab ID: **10723332020** Collected: 02/07/25 13:00 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	75.7	%	0.10	0.10	1		02/18/25 12:23		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-04-30-32-250207** Lab ID: **10723332021** Collected: 02/07/25 13:05 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	35.8	%	0.10	0.10	1		02/17/25 11:34		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723332

Sample: **SB-04-32-34-250207** Lab ID: **10723332022** Collected: 02/07/25 13:10 Received: 02/10/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	33.6	%	0.10	0.10	1		02/17/25 11:38		N2

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QUALITY CONTROL DATA

Project: BP Remediation

Pace Project No.: 10723332

QC Batch: 992419

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight / %M by ASTM D2974

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10723332021, 10723332022

SAMPLE DUPLICATE: 5178474

Parameter	Units	10723566001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	25.9	26.3	2	30	N2

SAMPLE DUPLICATE: 5178475

Parameter	Units	10723752002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	24.5	25.2	3	30	N2

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

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QUALITY CONTROL DATA

Project: BP Remediation

Pace Project No.: 10723332

QC Batch: 992601

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight / %M by ASTM D2974

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10723332001, 10723332002, 10723332003, 10723332004, 10723332005, 10723332006, 10723332007, 10723332008, 10723332009, 10723332010, 10723332011, 10723332012

SAMPLE DUPLICATE: 5178834

Parameter	Units	10723332012 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	69.3	69.9	1	30	N2

SAMPLE DUPLICATE: 5178846

Parameter	Units	10723851001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.8	4.8	0	30	N2

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QUALITY CONTROL DATA

Project: BP Remediation

Pace Project No.: 10723332

QC Batch: 992646

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight / %M by ASTM D2974

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10723332013, 10723332014, 10723332015, 10723332016, 10723332017, 10723332018, 10723332019, 10723332020

SAMPLE DUPLICATE: 5179093

Parameter	Units	10723332013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	30.4	27.2	11	30	N2

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QUALIFIERS

Project: BP Remediation

Pace Project No.: 10723332

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 adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

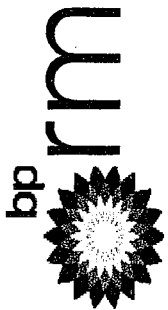
Project: BP Remediation

Pace Project No.: 10723332

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10723332001	SB-01-06-08-250206	ASTM D2974	992601		
10723332002	SB-01-08-10-250206	ASTM D2974	992601		
10723332003	SB-01-10-12-250206	ASTM D2974	992601		
10723332004	SB-01-12-14-250206	ASTM D2974	992601		
10723332005	SB-01-28-30-250206	ASTM D2974	992601		
10723332006	SB-01-32-34-250206	ASTM D2974	992601		
10723332007	SB-01-30-32-250206	ASTM D2974	992601		
10723332008	SB-01-FD-250206	ASTM D2974	992601		
10723332009	SB-05-08-10-250207	ASTM D2974	992601		
10723332010	SB-05-15-16-250207	ASTM D2974	992601		
10723332011	SB-05-16-18-250207	ASTM D2974	992601		
10723332012	SB-05-18-20-250207	ASTM D2974	992601		
10723332013	SB-05-28-30-250207	ASTM D2974	992646		
10723332014	SB-05-30-32-250207	ASTM D2974	992646		
10723332015	SB-05-32-34-250207	ASTM D2974	992646		
10723332016	SB-04-06-08-250207	ASTM D2974	992646		
10723332017	SB-04-08-10-250207	ASTM D2974	992646		
10723332018	SB-04-17-19-250207	ASTM D2974	992646		
10723332019	SB-04-19-20-250207	ASTM D2974	992646		
10723332020	SB-04-26-28-250207	ASTM D2974	992646		
10723332021	SB-04-30-32-250207	ASTM D2974	992419		
10723332022	SB-04-32-34-250207	ASTM D2974	992419		

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Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

Hold for samples arriving
Feb 8, 2025 Page 1 of 1

BP Site Node Path:

BP/RM Facility No:

Req Due Date (mm/dd/yyyy):

Lab Work Order Number:

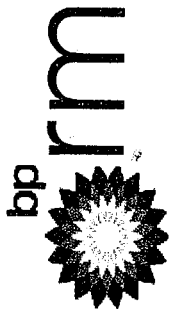
Rush TAT Yes No

Lab Name: Pace Analytical		BPI/ARO Facility Address:		Consultant/Contractor: LM consulting	
Lab Address: 1700 Elm St. SE, Suite 200, Minneapolis, MN 55414		City, State, ZIP Code:		Consultant/Contractor Project No: BP Remediation	
Lab PM: Julia Fogarty		Lead Regulatory Agency:		Address:	
Lab Phone: 612-656-1141		California Global ID No.:		Consultant/Contractor PM: Laura McWilliams	
Lab Shipping Acct:		Enfos Proposal No: 00BX4-0085		Phone: 858-226-7223 Email: laura@lmconsultingsd.com	
Lab Bottle Order No: profile 47704 (EZ# 3210903)		Accounting Mode: Provision OOC-BU OOC-RM		Send/Submitt EDD to: EQUIS	
Other Info:		Stage Activity		Invoice To: ENFOS BP-RM BP-Other	
BP/RM PM: Loren Burmeister		Sample Details		Requested Analytes	
PM Phone: 406-570-8945		Field Matrix		Report Type & QC Level	
PM Email: loren.burmeister@bp.com		Start Depth		Limited (Standard) Package X	
		End Depth		Limited Plus Package	
		Depth Unit			
		Grab (G) or Composite (C)			
		Total Number of Containers			
		Analysis			
		Pres			
		Fill			
		168A 209 PCB Conge			
		Dry Weight			
Lab No.	Sample Description	Date	Time		
SB-01-06-08-250206	2/4/25	1315			Extra volume for MSHASD
SB-01-08-10-250206		1320			002
SB-01-10-12-250206		1300			003
SB-01-12-14-250206		1305			004
SB-01-28-30-250206		1340			005
SB-01-32-34-250206		1330			006
SB-01-30-32-250206		1350			007
SB-01-FD-250206		1355			008
Sampler's Name: Laura McWilliams				Date	
Sampler's Company: LM Consulting				Time	
Ship Method: FedEx				2-10-25 850	
Ship Date: 2/6/25					
Shipment Tracking No:					

Special Instructions: **Freeze 1 of the jars on receipt

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes No | Temp Blank: Yes No | Cooler Temp on Receipt: 0.4 °F | Trip Blank: Yes No | MS/MSD Sample Submitted: Yes No

Proprietary and Confidential
Property of BP and its Affiliates



Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

BP Site Node Path:

BP/IRM Facility No:

Req Due Date (mm/dd/yy):

Lab Work Order Number:

Rush TAT Yes

No

Add to SDG with soil samples that arrived 2/7/25

Page 1 of 2

Lab Name: Pace Analytical		BP/ARC Facility Address:		Consultant/Contractor:		LM consulting	
Lab Address: 1700 Elm St. SE, Suite 200, Minneapolis, MN 55414		City, State, ZIP Code:		Consultant/Contractor Project No:		BP Remediation	
Lab PM: Julia Fogarty		Lead Regulatory Agency:		Address:			
Lab Phone: 612-656-1141		California Global ID No.:		Consultant/Contractor PM:		Laura McWilliams	
Lab Shipping Acct:		Enfos Proposal No: 00BX4-0085		Phone: 858-226-7223		Email: laura@lmconsultingsd.com	
Lab Bottle Order No: profile 47704 (EZ# 3210903)		Accounting Mode: Provision OOC-BU OOC-RM		Send/Submit EDD to:		EQUIS	
Other Info:		Stage		Invoice To: ENFOS		BP-RM BP-Other	
BP/IRM PM: Loren Burmeister		Sample Details		Requested Analyses		Report Type & QC Level	
		Field Matrix		Analysis		Limited (Standard) Package X	
		Start Depth		Pres		Limited Plus Package	
		End Depth		FTH		Full Package	
		Depth Unit		Total Number of Containers			
		Grab (g) or Composite (C)		Dry Weight			
Lab No.	Sample Description	Date	Time				Comments
	SB-05-08-10-250207	2/7/25	930	S	X	X	Freeze one jar of each
	SB-05-15-16-250207		935	S	X	X	soil sample.
	SB05-16-18-250207		930	S	X	X	
	SB-05-18-20-250207		935	S	X	X	
	SB-05-28-30-250207		940	S	X	X	
	SB-05-30-32-250207		945	S	X	X	
	SB-05-32-34-250207		950	S	X	X	
	SB-04-06-08-250207		1240	S	X	X	
	SB-04-08-10-250207		1250	S	X	X	
	SB-04-17-19-250207		1300	S	X	X	
Sampler's Name: Loren Burmeister		Ship Date:		Relinquished By / Affiliation		Date	
Sampler's Company: Pace Consulting		Ship Date:		Accepted By / Affiliation		Time	
Shipment Tracking No:				2/7/25 1430		2-10-25 850	
Special Instructions: **Freeze 1 of the jars on receipt							
THIS LINE - LAB USE ONLY: Custody Seals In Place Yes / No Temp Blank: Yes / No Cooler Temp on Receipt: 03 / 10 °F Trip Blank: Yes / No MSMSD Sample Submitted Yes / No							



Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

BP Site Node Path:

BP/RM Facility No:

Req Due Date (mm/dd/yy):

Lab Work Order Number:

Rush TAT Yes

No

Add to SD6 with soil samples
that arrived 2/7/25

Page 2 of 2

Lab Name: Pace Analytical		BP/ARC Facility Address:		Consultant/Contractor:		LM consulting	
Lab Address: 1700 Elm St. SE, Suite 200, Minneapolis, MN 55414		City, State, ZIP Code:		Consultant/Contractor Project No:		BP Remediation	
Lab PM: Julia Fogarty		Lead Regulatory Agency:		Address:			
Lab Phone: 612-656-1141		California Global ID No.:		Consultant/Contractor PM:		Laura McWilliams	
Lab Shipping Acct:		Enfos Proposal No:		Phone: 858-226-7223		Email: laura@lmconsultingsd.com	
Lab Bottle Order No: profile 47704 (EZ# 3210903)		Accounting Mode: Provision		Send/Submit EDD to:		EQUIS	
Other Info:		Stage		Invoice To: ENFOS		BP-RM BP-Other	
BP/RM PM: Loren Burmeister		Activity					
PM Phone: 408-570-8945							
PM Email: loren.burmeister@bp.com							
Sample Description		Date		Time			
SB-04-19-20-250207		2/7/25		1255			
SB-04-26-28-250207		1300		1300			
SB-04-30-32-250207		1305		1305			
SB-04-32-34-250207		1310		1310			
Field Matrix		Start Depth		End Depth		Depth Unit	
Total Number of Containers		Grab (G) or Composite (C)		Analysis		Pres	
1668A 209 PCB Conge		Dry Weight		TTH			
Relinquished By / Affiliation		Date		Time		Accepted By / Affiliation	
Laura McWilliams		2/7/25		1430		Laura McWilliams / Pace	
Shipper's Name:		Ship Date:		Date		Time	
Shipper's Company: LM Consulting				2-10-25		850	
Ship Method:							
Shipment Tracking No:							
Special Instructions: **Freeze 1 of the jars on receipt							
THIS LINE - LAB USE ONLY: Custody Seals in Place (Yes/No)		Temp Blank (Yes/No)		Cooler Temp on Receipt (9/2/10) (FC)		Trip Blank: Yes (No)	
						MS/MSD Sample Submitted (Yes/No)	

019
010
021
Extra Volume for MS/MSD ord

Comments

Freeze one jar from each

soil sample

Extra Volume for MS/MSD ord

ENV-FRM-MIN4-0149 v11_Sample Condition Upon Receipt - ESI

CLIENT NAME: LM Consulting PROJECT #: W0# : 10723332

COURIER: ☐ Client ☐ Commercial ☒ FedEx ☐ Pace
☐ SpeedDee ☐ UPS ☐ USPS

PM: JMF Due Date: 03/03/25
 CLIENT: BP-LM Cons.

TRACKING NUMBER: ☒ See Exceptions form
 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 Bags ☐ Bubble Wrap ☐ None ☐ Other Temp Blank: ☒ YES ☐ NO Type of Ice: ☐ Blue ☐ Dry ☒ Wet
 Thermometer: ☒ T1 (0461) ☐ T2 (0436) ☐ T3 (0459) ☐ T4 (0402) ☐ T5 (0178) ☐ T6 (0235)
☐ T7 (0042) ☐ T8 (0775) ☐ T9 (0727) ☐ 01339252 (1710) ☐ Melted ☐ None

Correction Factor: -0.1 Cooler Temp Read w/Temp Blank: 0.4/1.1 °C Average Corrected Temp (no Temp Blank Only): °C
 Cooler Temp Corrected w/Temp Blank: 0.3/1.0 °C
 NOTE: Temp should be above freezing to 6°C. ☐ See Exceptions Form ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: ☒ N/A - Water Sample/Other (describe): Initials & Date of Person Examining Contents: EC 2-10-25
 Did Samples originate from one of the following states (check maps) - AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA: ☐ YES ☒ NO
 Did samples originate from a foreign source (international, including Hawaii and Puerto Rico): ☐ YES ☒ NO
 NOTE: 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	YES	NO	N/A	COMMENT(S)								
Chain of Custody Present and Filled Out?	☒	☐	☐	☒	☐	☐	1.								
Chain of Custody Relinquished?	☒	☐	☐	☒	☐	☐	2.								
Sampler Name and/or Signature on COC?	☒	☐	☐	☒	☐	☐	3.								
Samples Arrived within Hold Time?	☒	☐	☐	☒	☐	☐	4.								
Short Hold Time Analysis (<72 hr)?	☐	☒	☐	☐	☒	☐	5. ☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom ☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos ☐ Total coliform/E. coli ☐ Other: <u> </u>								
Rush Turn Around Time Requested?	☐	☒	☐	☐	☒	☐	6.								
Sufficient Sample Volume?	☒	☐	☐	☒	☐	☐	7.								
Triple Volume Provided for MS/MSD (if more than 10 samples)?	☒	☐	☐	☒	☐	☐	8.								
Correct Containers Used?	☒	☐	☐	☒	☐	☐	9.								
Containers Intact?	☒	☐	☐	☒	☐	☐	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO								
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☒	☐	☐	☒	11. If NO, write ID/Date/Time of container below: ☐ See Exceptions form ENV-FRM-MIN4-0142								
Is sufficient information available to reconcile the samples to the COC? NOTE: If ID/Date/Time don't match fill out section 11. Matrix: ☐ Oil ☒ Soil ☐ Water ☐ Other	☒	☐	☐	☒	☐	☐	12. Sample #: ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ Zinc Acetate Positive for Residual Chlorine: ☐ YES ☐ NO pH Paper Lot # <table border="1"> <tr> <th>Residual Chlorine</th> <th>0-6 Roll</th> <th>0-6 Strip</th> <th>0-14 Strip</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> ☐ See Exceptions form ENV-FRM-MIN4-0142	Residual Chlorine	0-6 Roll	0-6 Strip	0-14 Strip				
Residual Chlorine	0-6 Roll	0-6 Strip	0-14 Strip												
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil & Grease, DRO/8015 (water) and Dioxins/PFAS	☐	☐	☒	☐	☐	☒	13. ☐ See Exceptions form ENV-FRM-MIN4-0140								
NOTE: If adding preservation to the container, verify with the PM first. Clients may require adding preservative to the field and equipment blanks when this occurs.	☐	☐	☒	☐	☐	☒	14. Pace Trip Blank Lot # (if purchased): <u> </u>								
Extra labels present on soil VOA or WIDRO containers?	☐	☐	☒	☐	☐	☒									
Headspace in VOA Vials (greater than 6mm)?	☐	☐	☒	☐	☐	☒									
3 Trip Blanks Present?	☐	☐	☒	☐	☐	☒									
Trip Blank Custody Seals Present?	☐	☐	☒	☐	☐	☒									

Temp Log: Temp must be maintained at <6°C during login, record temp every 20 mins		
Opened Time: <u>12:11</u>	Temp: <u>0.4/1.1</u>	Corrected Temp: <u>0.3/1.0</u>
Time: <u> </u>	Put in Cooler: <u>12:31</u>	
Time: <u> </u>	Temp: <u> </u>	Corrected Temp: <u> </u>

FIELD DATA REQUIRED: ☐ YES ☐ NO

CLIENT NOTIFICATION / RESOLUTION

Person Contacted: Date & Time:

Comments / Resolution:

Project Manager Review:

Date: 2/11/25

NOTE: When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled By: EC

Line: 2

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
704814640595	21.3
704814640584	1.0



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	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	

Comments:

Report Prepared for:

Laura McWilliams
BP-LM Consulting
6420 S Macadam Ave
Portland OR 972393517

REPORT OF LABORATORY ANALYSIS FOR PCBs

Report Prepared Date:

April 29, 2025

Report Information:

Pace Project #: 10723332
Sample Receipt Date: 02/10/2025
Client Project #: BP Remediation
Client Sub PO #: ENFOS
State Cert #: MN200001

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 KirstenJohnson, your Pace Project Manager.

This report has been reviewed by:



April 29, 2025

KirstenJohnson, Project Manager
(612) 607-6407
(612) 607-6444 (fax)
kirsten.johnson@pacelabs.com



Report of Laboratory Analysis

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

The results relate only to the samples included in this report.

DISCUSSION

This report presents the results from the analyses performed on twenty two samples submitted by a representative of BP-LM Consulting. The samples were analyzed for the presence or absence of selected polychlorinated biphenyl (PCB) congeners using USEPA Method 1668A. Reporting limits were set to the statistical method detection limits and were adjusted for the amount of sample extracted. Reporting limits determined based on the signal to noise ratio were flagged "A", with levels below the calibration range flagged "J" as estimated concentrations. Quantitation limits were also provided on the results tables.

The dilution level noted on the data tables is being adjusted to allow the correct data flags to populate the electronic deliverables as well as the data tables. Sample and MDL extracts were analyzed at elevated volumes. That volume is being treated as a 1x dilution for calculation purposes, with larger dilutions being factored from that volume.

All of the recoveries obtained for this project were 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. Selected extracts were reanalyzed due to retention time shifts or interferences in the initial analyses. Results taken from the secondary analyses were flagged "N2" on the sample results tables.

A laboratory method blank was prepared and analyzed with each sample batch as part of our routine quality control procedures. The results show the blanks to contain trace levels of PCB congeners. In some cases, the sample extracts contained these congeners at levels similar to those seen in the associated method blank and that may have originated in the laboratory. Congeners present at similar levels in both the method blank and associated sample extracts were flagged "B" on the sample results tables.

Laboratory and matrix spike samples were also prepared with each sample batch using a reference matrix that had been fortified with native standards. The results show that the spiked native compounds were recovered at 70-103%. These results were within method limits. Matrix spikes were also prepared with one sample set. The results show that the spiked native compounds were recovered at 71-131%, with relative percent differences of 0.0-12.2%. These results were within method limits for laboratory spikes.

REPORT OF LABORATORY ANALYSIS

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Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Mississippi	MN00064
Alabama	40770	Missouri	10100
Alaska-DW	MN00064	Montana	CERT0092
Alaska-UST	17-009	Nebraska	NE-OS-18-06
Arizona	AZ0014	Nevada	MN00064
Arkansas - WW	88-0680	New Hampshire	2081
Arkansas-DW	MN00064	New Jersey	MN002
California	2929	New York	11647
Colorado	MN00064	North Carolina-DW	27700
Connecticut	PH-0256	North Carolina-WW	530
Florida	E87605	North Dakota	R-036
Georgia	959	Ohio-DW	41244
Hawaii	MN00064	Ohio-VAP (1700)	CL101
Idaho	MN00064	Ohio-VAP (1800)	CL110
Illinois	200011	Oklahoma	9507
Indiana	C-MN-01	Oregon-Primary	MN300001
Iowa	368	Oregon-Secondary	MN200001
Kansas	E-10167	Pennsylvania	68-00563
Kentucky-DW	90062	Puerto Rico	MN00064
Kentucky-WW	90062	South Carolina	74003
Louisiana-DEQ	AI-84596	Tennessee	TN02818
Louisiana-DW	MN00064	Texas	T104704192
Maine	MN00064	Utah	MN00064
Maryland	322	Vermont	VT-027053137
Michigan	9909	Virginia	460163
Minnesota	027-053-137	Washington	C486
Minnesota-Ag	via MN 027-053-137	West Virginia-DEP	382
Minnesota-Petrofund	1240	West Virginia-DW	9952C
		Wisconsin	999407970
		Wyoming-UST	via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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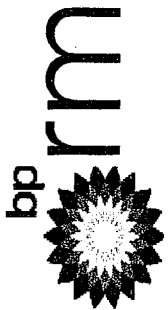
Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Appendix A

Sample Management

REPORT OF LABORATORY ANALYSIS

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Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

Hold for samples arriving
Feb 8, 2025 Page 1 of 1

BP Site Node Path:

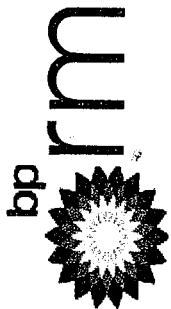
BP/IRM Facility No:

Req Due Date (mm/dd/yyyy):

Lab Work Order Number:

Rush TAT Yes No

Lab Name: Pace Analytical		BP/IRM Facility Address:		Consultant/Contractor: LM consulting	
Lab Address: 1700 Elm St. SE, Suite 200, Minneapolis, MN 55414		City, State, ZIP Code:		Consultant/Contractor Project No: BP Remediation	
Lab PM: Julia Fogarty		Lead Regulatory Agency:		Address:	
Lab Phone: 612-656-1141		California Global ID No.:		Consultant/Contractor PM: Laura McWilliams	
Lab Shipping Acct:		Enfos Proposal No: 00BX4-0085		Phone: 858-226-7223 Email: laura@lmconsultingsd.com	
Lab Bottle Order No: profile 47704 (EZ# 3210903)		Accounting Mode: Provision OOC-BU OOC-RM		Send/Submitt EDD to: EQUIS	
Other Info:		Stage Activity		Invoice To: ENFOS BP-RM BP-Other	
BP/IRM PM: Loren Burmeister		Sample Details		Requested Analytes	
PM Phone: 406-570-8945		Field Matrix		Report Type & QC Level	
PM Email: loren.burmeister@bp.com		Start Depth		Limited (Standard) Package X	
		End Depth		Limited Plus Package	
		Depth Unit			
		Grab (G) or Composite (C)			
		Total Number of Containers			
		Analysis			
		Pres			
		Fill			
		1668A 209 PCB Conge			
		Dry Weight			
Lab No.	Sample Description	Date	Time		
SB-01-01-06-08-2502206	2/4/25	1315		Extra volume for MSHASD	
SB-01-01-08-10-2502206		1320		002	
SB-01-01-10-12-2502206		1300		003	
SB-01-12-14-2502206		1305		004	
SB-01-28-30-2502206		1340		005	
SB-01-32-34-2502206		1330		006	
SB-01-30-32-2502206		1350		007	
SB-01-FD-2502206		1355		008	
Sampler's Name: Laura McWilliams				Date	
Sampler's Company: LM Consulting				Time	
Ship Method: FedEx				2-10-25 850	
Ship Date: 2/6/25					
Shipment Tracking No:					
Special Instructions: **Freeze 1 of the jars on receipt					
THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes No Temp Blank: Yes No Cooler Temp on Receipt: 0.4 °F Trip Blank: Yes No MS/MSD Sample Submitted: Yes No					



Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

BP Site Node Path:

BP/IRM Facility No:

Req Due Date (mm/dd/yy):

Lab Work Order Number:

Rush TAT Yes

No

Add to SDG with soil samples that arrived 2/7/25

Page 1 of 2

Lab Name: Pace Analytical		BP/ARC Facility Address:		Consultant/Contractor:		LM consulting	
Lab Address: 1700 Elm St. SE, Suite 200, Minneapolis, MN 55414		City, State, ZIP Code:		Consultant/Contractor Project No:		BP Remediation	
Lab PM: Julia Fogarty		Lead Regulatory Agency:		Address:			
Lab Phone: 612-656-1141		California Global ID No.:		Consultant/Contractor PM:		Laura McWilliams	
Lab Shipping Acct:		Enfos Proposal No: 00BX4-0085		Phone: 858-226-7223		Email: laura@lmconsultingsd.com	
Lab Bottle Order No: profile 47704 (EZ# 3210903)		Accounting Mode: Provision OOC-BU OOC-RM		Send/Submit EDD to:		EQUIS	
Other Info:		Stage		Invoice To: ENFOS		BP-RM BP-Other	
BP/IRM PM: Loren Burmeister		Sample Details		Requested Analyses		Report Type & QC Level	
		Field Matrix		Analysis		Limited (Standard) Package X	
		Start Depth		Pres		Limited Plus Package	
		End Depth		Fib		Full Package	
		Depth Unit		Total Number of Containers			
		Grab (g) or Composite (C)		Dry Weight			
Lab No.	Sample Description	Date	Time				Comments
	SB-05-08-10-250207	2/7/25	930				Freeze one jar of each
	SB-05-15-16-250207		935				soil sample.
	SB-05-16-18-250207		930				
	SB-05-18-20-250207		935				
	SB-05-28-30-250207		940				
	SB-05-30-32-250207		945				
	SB-05-32-34-250207		950				
	SB-04-06-08-250207		1240				
	SB-04-08-10-250207		1250				
	SB-04-17-19-250207		1300				
Sampler's Name: Loren Burmeister		Relinquished By / Affiliation		Date		Time	
Sampler's Company: Pace		Signature		2/7/25		1430	
Ship Method: L-14 Consulting		Ship Date:		Accepted By / Affiliation		Date	
Shipment Tracking No:				Time		850	
Special Instructions: **Freeze 1 of the jars on receipt							
THIS LINE - LAB USE ONLY: Custody Seals In Place Yes No Temp Blank Yes No Cooler Temp on Receipt: 93/110°F Trip Blank Yes No MSMSD Sample Submitted Yes/No							



Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

BP Site Node Path:
BP/RM Facility No:

Req Due Date (mm/dd/yy):
Lab Work Order Number:

Rush TAT Yes No

Add to SD6 with soil samples
that arrived 2/7/25 Page 2 of 2

Lab Name: Pace Analytical		BP/ARC Facility Address:		Consultant/Contractor: LM consulting											
Lab Address: 1700 Elm St. SE, Suite 200, Minneapolis, MN 55414		City, State, ZIP Code:		Consultant/Contractor Project No: BP Remediation											
Lab PM: Julia Fogarty		Lead Regulatory Agency:		Address:											
Lab Phone: 612-656-1141		California Global ID No.:		Consultant/Contractor PM: Laura McWilliams											
Lab Shipping Acct:		Enfos Proposal No: 00BX4-0085		Phone: 858-226-7223 Email: laura@lmconsultingsd.com											
Lab Bottle Order No: profile 47704 (EZ# 3210903)		Accounting Mode: Provision OOC-BU OOC-RM		Send/Submit EDD to: EQUIS											
Other Info:		Stage		Invoice To: ENFOS BP-RM BP-Other											
BP/RM PM: Loren Burmeister		Activity		Report Type & QC Level											
PM Phone: 408-570-8945		Sample Details		Limited (Standard) Package ☒ X											
PM Email: loren.burmeister@bp.com		Requested Analyses		Limited Plus Package ☐											
				Full Package ☐											
Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	Pres	FM	1668A 209 PCB Conge	Dry Weight	Comments
SB-04-19-20-250207	2/7/25	1255	1300	S					2	XX					Freeze one jar from each
SB-04-26-28-250207	1300		1305	S					2	XX					soil sample
SB-04-30-32-250207	1305		1310	S					2	XX					Extra Volume for MS/MSD ord
SB-04-32-34-250207	1310			S					3	XX					
Relinquished By / Affiliation															
Sampler's Name: Laura McWilliams															
Sampler's Company: LM Consulting															
Ship Method: Ship Date:															
Shipment Tracking No:															
Special Instructions: **Freeze 1 of the jars on receipt															
THIS LINE - LAB USE ONLY: Custody Seals in Place ☒ No ☐ Yes ☐ Trip Blank: Yes ☒ No ☐ MS/MSD Sample Submitted ☒ Yes ☐ No ☐															

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
704814640595	21.3
704814640584	1.0



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	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	

Comments:



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

REPORT OF LABORATORY ANALYSIS

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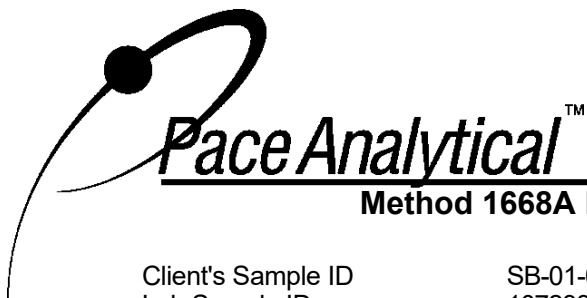
Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-01-06-08-250206		
Lab Sample ID	10723332001		
Filename	P250312B_07		
Injected By	CVS		
Total Amount Extracted	11.0 g	Matrix	SOLID
% Moisture	14.1	Dilution	NA
Dry Weight Extracted	9.41 g	Collected	02/06/2025 13:15
ICAL ID	P250312B02	Received	02/10/2025 08:50
CCal Filename(s)	P250312B_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	03/13/2025 00:41

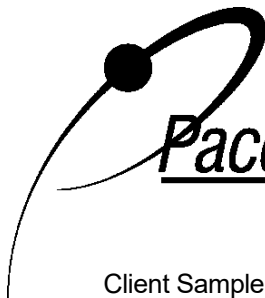
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery	
Labeled Analytes							
13C-2-MoCB	1	9.825	2.74	2.0	1.14	57	N2
13C-4-MoCB	3	12.649	2.97	2.0	1.33	67	N2
13C-2,2'-DiCB	4	12.413	1.69	2.0	0.945	47	
13C-4,4'-DiCB	15	19.514	1.58	2.0	1.32	66	
13C-2,2',6-TrCB	19	16.242	1.06	2.0	1.23	61	
13C-3,4,4'-TrCB	37	27.308	1.04	2.0	0.961	48	
13C-2,2',6,6'-TeCB	54	19.851	0.80	2.0	1.02	51	
13C-3,4,4',5-TeCB	81	34.445	0.82	2.0	1.06	53	
13C-3,3',4,4'-TeCB	77	35.018	0.77	2.0	1.07	54	
13C-2,2',4,6,6'-PeCB	104	25.977	1.57	2.0	0.771	39	
13C-2,3,3',4,4'-PeCB	105	38.639	1.63	2.0	0.840	42	
13C-2,3,4,4',5-PeCB	114	37.985	1.62	2.0	0.852	43	
13C-2,3',4,4',5-PeCB	118	37.432	1.64	2.0	0.857	43	
13C-2,3',4,4',5'-PeCB	123	37.097	1.57	2.0	0.869	43	
13C-3,3',4,4',5-PeCB	126	41.809	1.43	2.0	0.924	46	
13C-2,2',4,4',6,6'-HxCB	155	32.048	1.24	2.0	0.854	43	
13C-HxCB (156/157)	156/157	44.900	1.28	4.0	1.89	47	
13C-2,3',4,4',5,5'-HxCB	167	43.726	1.26	2.0	0.963	48	
13C-3,3',4,4',5,5'-HxCB	169	48.203	1.29	2.0	1.00	50	
13C-2,2',3,4',5,6,6'-HpCB	188	37.968	1.06	2.0	1.01	51	
13C-2,3,3',4,4',5,5'-HpCB	189	50.762	1.00	2.0	0.829	41	
13C-2,2',3,3',5,5',6'-OxCB	202	43.458	0.89	2.0	0.926	46	
13C-2,3,3',4,4',5,5',6-OxCB	205	53.348	0.88	2.0	1.15	57	
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.116	0.82	2.0	1.15	58	
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	50.245	0.77	2.0	1.11	55	
13C-DeCB	209	56.711	0.73	2.0	0.979	49	
Cleanup Standards							
13C-2,4,4'-TrCB	28	22.945	1.07	2.0	0.894	45	
13C-2,3,3',5,5'-PeCB	111	35.064	1.58	2.0	1.17	59	
13C-2,2',3,3',5,5',6-HpCB	178	41.088	1.05	2.0	1.11	56	
Recovery Standards							
13C-2,5-DiCB	9	14.894	1.56	2.0	NA	NA	
13C-2,2',5,5'-TeCB	52	24.941	0.80	2.0	NA	NA	
13C-2,2',4,5,5'-PeCB	101	32.264	1.58	2.0	NA	NA	
13C-2,2',3,4,4',5'-HxCB	138	40.635	1.25	2.0	NA	NA	
13C-2,2',3,3',4,4',5,5'-OxCB	194	52.874	0.94	2.0	NA	NA	

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
Results reported on a dry weight basis

* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference
ng's = Nanograms

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-06-08-250206
Lab Sample ID 10723332001
Filename P250312B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		9.837	3.60	7.22 JN2	---	4.51
2		---	---	ND N2	---	6.29
3		---	---	ND N2	---	8.06
4		---	---	ND A	---	21.0
5		---	---	ND A	---	3.64
6		15.391	1.44	5.24 JA	---	4.57
7		---	---	ND A	---	4.64
8		15.910	1.66	21.2 BJ	---	7.28
9		---	---	ND A	---	3.84
10		---	---	ND A	---	10.7
11		18.828	1.48	238 BJ	---	97.3
12	12/13	---	---	ND	---	7.45
13	12/13	---	---	ND	---	7.45
14		---	---	ND A	---	4.67
15		19.536	1.45	10.2 J	---	6.93
16		19.469	0.96	14.0 J	---	7.56
17		18.961	0.96	15.2 J	---	8.47
18	18/30	18.475	1.02	28.3 J	---	19.0
19		16.264	1.04	5.02 J	---	2.96
20	20/28	22.961	0.98	49.9 J	---	28.5
21	21/33	23.224	1.05	26.2 J	---	15.6
22		23.657	0.93	15.8 J	---	13.3
23		---	---	ND	---	2.97
24		---	---	ND	---	4.18
25		22.296	1.13	4.14 J	---	3.70
26	26/29	22.017	0.92	8.22 J	---	6.78
27		---	---	ND	---	5.12
28	20/28	22.961	0.98	(49.9) J	---	28.5
29	26/29	22.017	0.92	(8.22) J	---	6.78
30	18/30	18.475	1.02	(28.3) J	---	19.0
31		22.636	0.98	39.0 J	---	24.1
32		20.083	1.18	10.6 J	---	8.27
33	21/33	23.224	1.05	(26.2) J	---	15.6
34		---	---	ND	---	3.25
35		26.890	1.04	5.42 BJ	---	3.93
36		---	---	ND	---	2.93
37		27.323	1.05	12.7 BJ	---	6.30
38		---	---	ND	---	2.51
39		---	---	ND	---	3.29
40	40/41/71	27.122	0.72	29.9 J	---	14.8
41	40/41/71	27.122	0.72	(29.9) J	---	14.8
42		26.627	0.67	14.3 J	---	5.89
43	43/73	---	---	ND	---	12.0
44	44/47/65	26.070	0.74	58.6 BJ	---	22.3

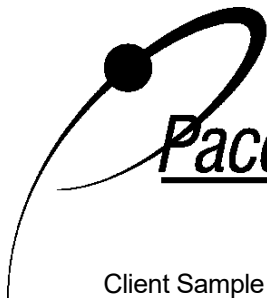
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Results reported on a dry weight basis

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-06-08-250206
Lab Sample ID 10723332001
Filename P250312B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	23.100	0.76	14.1 J	---	11.1
46		23.394	0.90	--- JI	4.77	3.70
47	44/47/65	26.070	0.74	(58.6) BJ	---	22.3
48		25.823	0.71	11.4 J	---	4.51
49	49/69	25.513	0.78	32.7 J	---	11.8
50	50/53	---	---	ND	---	8.92
51	45/51	23.100	0.76	(14.1) J	---	11.1
52		24.972	0.82	82.7 BJ	---	24.6
53	50/53	---	---	ND	---	8.92
54		---	---	ND	---	2.62
55		---	---	ND	---	3.57
56		31.166	0.84	19.3 BJ	---	6.02
57		---	---	ND	---	2.71
58		---	---	ND A	---	2.42
59	59/62/75	---	---	ND	---	6.25
60		31.398	0.83	10.6 J	---	6.12
61	61/70/74/76	30.129	0.74	66.2 BJ	---	18.3
62	59/62/75	---	---	ND	---	6.25
63		---	---	ND	---	2.85
64		27.385	0.74	25.3 BJ	---	6.34
65	44/47/65	26.070	0.74	(58.6) BJ	---	22.3
66		30.470	0.71	33.2 J	---	15.5
67		---	---	ND	---	2.59
68		---	---	ND	---	2.90
69	49/69	25.513	0.78	(32.7) J	---	11.8
70	61/70/74/76	30.129	0.74	(66.2) BJ	---	18.3
71	40/41/71	27.122	0.72	(29.9) J	---	14.8
72		---	---	ND	---	2.48
73	43/73	---	---	ND	---	12.0
74	61/70/74/76	30.129	0.74	(66.2) BJ	---	18.3
75	59/62/75	---	---	ND	---	6.25
76	61/70/74/76	30.129	0.74	(66.2) BJ	---	18.3
77		35.049	0.70	5.14 J	---	3.39
78		---	---	ND	---	3.11
79		---	---	ND	---	3.15
80		---	---	ND A	---	2.18
81		---	---	ND	---	2.52
82		34.662	1.36	11.8 J	---	7.86
83		32.775	1.36	7.37 J	---	3.20
84		30.330	1.66	30.5	---	4.79
85	85/116/117	34.167	1.56	14.2 J	---	7.90
86	86/87/97/108/119/125	33.471	1.49	60.7 J	---	14.5
87	86/87/97/108/119/125	33.471	1.49	(60.7) J	---	14.5
88	88/91	30.098	1.61	14.7 J	---	7.09

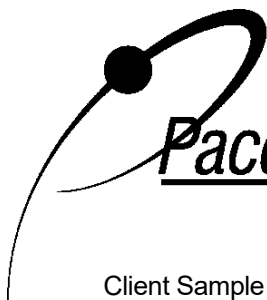
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Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-01-06-08-250206
Lab Sample ID 10723332001
Filename P250312B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	3.61
90	90/101/113	32.295	1.68	88.6	---	13.9
91	88/91	30.098	1.61	(14.7) J	---	7.09
92		31.692	1.51	17.2 J	---	4.00
93	93/98/100/102	---	---	ND	---	10.2
94		---	---	ND	---	2.41
95		29.186	1.66	84.6	---	17.0
96		---	---	ND	---	4.54
97	86/87/97/108/119/125	33.471	1.49	(60.7) J	---	14.5
98	93/98/100/102	---	---	ND	---	10.2
99		32.914	1.82	---	32.9	5.36
100	93/98/100/102	---	---	ND	---	10.2
101	90/101/113	32.295	1.68	(88.6)	---	13.9
102	93/98/100/102	---	---	ND	---	10.2
103		---	---	ND	---	3.47
104		---	---	ND	---	3.08
105		38.673	1.60	21.0 J	---	4.72
106		---	---	ND	---	2.79
107	107/124	---	---	ND	---	4.75
108	86/87/97/108/119/125	33.471	1.49	(60.7) J	---	14.5
109		36.996	1.06	---	3.82	3.68
110	110/115	34.337	1.55	118	---	9.53
111		---	---	ND	---	2.84
112		---	---	ND	---	2.89
113	90/101/113	32.295	1.68	(88.6)	---	13.9
114		---	---	ND	---	2.55
115	110/115	34.337	1.55	(118)	---	9.53
116	85/116/117	34.167	1.56	(14.2) J	---	7.90
117	85/116/117	34.167	1.56	(14.2) J	---	7.90
118		37.465	1.35	50.4 B	---	6.81
119	86/87/97/108/119/125	33.471	1.49	(60.7) J	---	14.5
120		---	---	ND	---	3.02
121		---	---	ND	---	2.55
122		---	---	ND	---	4.18
123		---	---	ND	---	2.96
124	107/124	---	---	ND	---	4.75
125	86/87/97/108/119/125	33.471	1.49	(60.7) J	---	14.5
126		---	---	ND A	---	2.83
127		---	---	ND	---	2.99
128	128/166	41.943	1.39	16.3 J	---	5.82
129	129/138/163	40.668	1.24	148	---	11.6
130		39.998	1.13	8.39 J	---	3.19
131		37.097	1.21	3.66 J	---	3.51
132		37.549	1.14	48.9	---	5.08

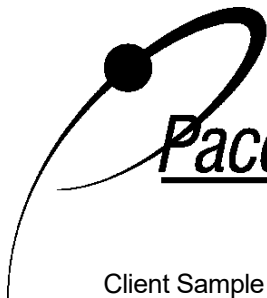
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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-01-06-08-250206
Lab Sample ID 10723332001
Filename P250312B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	3.36
134	134/143	36.459	1.04	---	9.46	4.90
135	135/151	35.312	1.32	57.6	---	9.86
136		32.790	1.38	21.2 J	---	5.08
137		40.232	0.97	---	4.38	3.84
138	129/138/163	40.668	1.24	(148)	---	11.6
139	139/140	---	---	ND	---	4.70
140	139/140	---	---	ND	---	4.70
141		39.578	1.20	33.3	---	4.31
142		---	---	ND	---	3.11
143	134/143	36.459	1.04	---	(9.46)	4.90
144		35.899	1.47	---	6.93	4.30
145		---	---	ND	---	2.80
146		38.757	1.25	20.1 J	---	4.20
147	147/149	36.258	1.25	126	---	12.3
148		---	---	ND	---	5.83
149	147/149	36.258	1.25	(126)	---	12.3
150		---	---	ND	---	3.15
151	135/151	35.312	1.32	(57.6)	---	9.86
152		---	---	ND	---	3.42
153	153/168	39.377	1.23	120	---	8.12
154		---	---	ND	---	3.53
155		32.078	0.88	---	3.45	3.17
156	156/157	44.900	0.92	---	9.98	4.54
157	156/157	44.900	0.92	---	(9.98)	4.54
158		41.071	1.15	14.0 J	---	2.48
159		---	---	ND	---	2.97
160		---	---	ND	---	3.03
161		---	---	ND	---	2.43
162		---	---	ND	---	2.72
163	129/138/163	40.668	1.24	(148)	---	11.6
164		40.333	1.32	11.9 J	---	3.17
165		---	---	ND	---	2.25
166	128/166	41.943	1.39	(16.3) J	---	5.82
167		43.743	1.36	6.19 J	---	3.13
168	153/168	39.377	1.23	(120)	---	8.12
169		---	---	ND	---	3.44
170		47.600	1.07	68.8	---	5.41
171	171/173	44.011	1.04	21.3 J	---	5.02
172		45.654	0.91	15.5 J	---	3.43
173	171/173	44.011	1.04	(21.3) J	---	5.02
174		42.904	1.02	75.2	---	5.66
175		41.775	1.13	3.76 J	---	2.64
176		39.226	0.89	10.7 J	---	3.71

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
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NC = Not Calculated
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Results reported on a dry weight basis

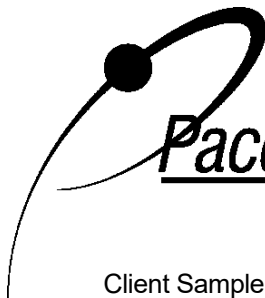
REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-06-08-250206
Lab Sample ID 10723332001
Filename P250312B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		43.357	1.07	45.9	---	4.59
178		41.121	1.00	14.7 J	---	3.70
179		38.321	1.06	30.4	---	4.11
180	180/193	46.325	1.07	163	---	9.79
181		---	---	ND	---	3.06
182		---	---	ND	---	3.41
183	183/185	42.686	1.04	53.9	---	6.60
184		---	---	ND	---	2.91
185	183/185	42.686	1.04	(53.9)	---	6.60
186		---	---	ND	---	3.10
187		42.044	1.05	85.4	---	6.04
188		---	---	ND	---	2.33
189		---	---	ND	---	3.54
190		48.153	1.11	14.4 J	---	2.96
191		---	---	ND	---	2.37
192		---	---	ND	---	3.01
193	180/193	46.325	1.07	(163)	---	9.79
194		52.896	0.94	42.7	---	3.60
195		50.525	0.90	16.3 J	---	3.19
196		48.974	0.96	22.8 J	---	3.00
197	197/200	45.453	0.81	7.93 J	---	6.43
198	198/199	48.321	0.96	49.4 J	---	4.94
199	198/199	48.321	0.96	(49.4) J	---	4.94
200	197/200	45.453	0.81	(7.93) J	---	6.43
201		44.430	0.99	6.55 J	---	2.62
202		43.491	0.99	10.8 J	---	1.86
203		49.176	0.84	28.4	---	3.63
204		---	---	ND	---	2.43
205		---	---	ND	---	2.97
206		55.137	0.71	31.2 A	---	3.94
207		51.236	0.66	2.97 JA	---	2.60
208		50.288	0.81	11.1 JA	---	2.64
209		56.754	0.77	25.9 J	---	3.97

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
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Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-01-06-08-250206
Lab Sample ID 10723332001
Filename P250312B_07

Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	7.22
Total Dichloro Biphenyls	274
Total Trichloro Biphenyls	234
Total Tetrachloro Biphenyls	403
Total Pentachloro Biphenyls	519
Total Hexachloro Biphenyls	635
Total Heptachloro Biphenyls	603
Total Octachloro Biphenyls	185
Total Nonachloro Biphenyls	45.3
Decachloro Biphenyls	25.9
Total PCBs	2930

ND = Not Detected

Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-01-08-10-250206		
Lab Sample ID	10723332002		
Filename	P250312B_08		
Injected By	CVS		
Total Amount Extracted	12.4 g	Matrix	SOLID
% Moisture	9.3	Dilution	NA
Dry Weight Extracted	11.2 g	Collected	02/06/2025 13:20
ICAL ID	P250312B02	Received	02/10/2025 08:50
CCal Filename(s)	P250312B_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	03/13/2025 01:42

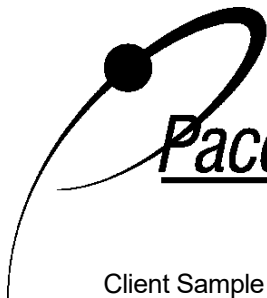
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.302	2.93	2.0	1.33	67
13C-4-MoCB	3	12.107	3.52	2.0	1.43	71
13C-2,2'-DiCB	4	12.413	1.60	2.0	1.14	57
13C-4,4'-DiCB	15	19.480	1.63	2.0	1.67	83
13C-2,2',6-TrCB	19	16.220	1.11	2.0	1.37	68
13C-3,4,4'-TrCB	37	27.261	1.00	2.0	1.22	61
13C-2,2',6,6'-TeCB	54	19.820	0.79	2.0	1.26	63
13C-3,4,4',5-TeCB	81	34.399	0.76	2.0	1.42	71
13C-3,3',4,4'-TeCB	77	34.987	0.78	2.0	1.41	70
13C-2,2',4,6,6'-PeCB	104	25.946	1.56	2.0	0.920	46
13C-2,3,3',4,4'-PeCB	105	38.605	1.51	2.0	1.06	53
13C-2,3,4,4',5-PeCB	114	37.935	1.60	2.0	1.10	55
13C-2,3',4,4',5-PeCB	118	37.398	1.56	2.0	1.08	54
13C-2,3',4,4',5'-PeCB	123	37.046	1.68	2.0	1.08	54
13C-3,3',4,4',5-PeCB	126	41.758	1.50	2.0	1.11	55
13C-2,2',4,4',6,6'-HxCB	155	32.001	1.30	2.0	1.14	57
13C-HxCB (156/157)	156/157	44.849	1.28	4.0	2.52	63
13C-2,3',4,4',5,5'-HxCB	167	43.675	1.25	2.0	1.25	62
13C-3,3',4,4',5,5'-HxCB	169	48.136	1.29	2.0	1.35	67
13C-2,2',3,4',5,6,6'-HpCB	188	37.935	1.10	2.0	1.26	63
13C-2,3,3',4,4',5,5'-HpCB	189	50.697	1.05	2.0	1.06	53
13C-2,2',3,3',5,5',6,6'-OxCB	202	43.424	0.94	2.0	1.09	55
13C-2,3,3',4,4',5,5',6-OxCB	205	53.305	0.91	2.0	1.46	73
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.051	0.80	2.0	1.41	71
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	50.201	0.75	2.0	1.43	72
13C-DeCB	209	56.667	0.73	2.0	1.16	58
CleanupStandards						
13C-2,4,4'-TrCB	28	22.899	1.03	2.0	1.10	55
13C-2,3,3',5,5'-PeCB	111	35.033	1.65	2.0	1.56	78
13C-2,2',3,3',5,5',6-HpCB	178	41.054	1.07	2.0	1.44	72
Recovery Standards						
13C-2,5-DiCB	9	14.894	1.64	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	24.910	0.78	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	32.218	1.54	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	40.584	1.29	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	52.809	0.89	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
Results reported on a dry weight basis

* = See Discussion
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ng's = Nanograms

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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-08-10-250206
Lab Sample ID 10723332002
Filename P250312B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	3.19
2		---	---	ND	---	3.36
3		---	---	ND	---	3.36
4		---	---	ND A	---	15.6
5		---	---	ND A	---	2.44
6		---	---	ND	---	3.51
7		---	---	ND	---	3.14
8		15.899	1.56	8.22 BJ	---	6.11
9		---	---	ND	---	3.02
10		---	---	ND A	---	6.51
11		18.795	1.57	215 BJ	---	81.7
12	12/13	---	---	ND	---	6.26
13	12/13	---	---	ND	---	6.26
14		---	---	ND	---	2.57
15		---	---	ND	---	5.82
16		19.436	0.92	6.60 J	---	6.34
17		18.928	1.20	7.30 J	---	7.11
18	18/30	---	---	ND	---	16.0
19		---	---	ND	---	2.48
20	20/28	22.930	1.04	29.9 J	---	23.9
21	21/33	23.193	1.00	13.9 J	---	13.1
22		23.610	1.09	11.6 J	---	11.2
23		---	---	ND	---	2.49
24		---	---	ND	---	3.51
25		---	---	ND	---	3.11
26	26/29	---	---	ND	---	5.69
27		---	---	ND	---	4.30
28	20/28	22.930	1.04	(29.9) J	---	23.9
29	26/29	---	---	ND	---	5.69
30	18/30	---	---	ND	---	16.0
31		22.605	0.94	21.6 J	---	20.3
32		---	---	ND	---	6.94
33	21/33	23.193	1.00	(13.9) J	---	13.1
34		---	---	ND	---	2.73
35		26.844	0.85	---	4.19	3.30
36		---	---	ND	---	2.46
37		27.277	1.06	7.55 BJ	---	5.29
38		---	---	ND	---	2.11
39		---	---	ND	---	2.76
40	40/41/71	27.091	0.72	12.5 J	---	12.4
41	40/41/71	27.091	0.72	(12.5) J	---	12.4
42		26.580	0.66	5.69 J	---	4.94
43	43/73	---	---	ND	---	10.1
44	44/47/65	26.039	0.94	---	23.6	18.7

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
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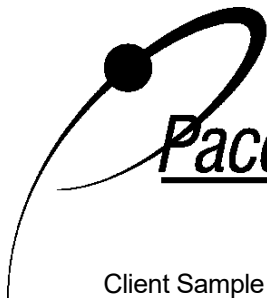
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-08-10-250206
Lab Sample ID 10723332002
Filename P250312B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	---	---	ND	---	9.28
46		---	---	ND	---	3.11
47	44/47/65	26.039	0.94	--- JI	(23.6)	18.7
48		25.792	0.86	4.82 J	---	3.78
49	49/69	25.467	0.84	10.8 J	---	9.91
50	50/53	---	---	ND	---	7.49
51	45/51	---	---	ND	---	9.28
52		24.941	0.77	32.5 BJ	---	20.6
53	50/53	---	---	ND	---	7.49
54		---	---	ND	---	2.20
55		---	---	ND	---	3.00
56		31.119	0.79	6.84 BJ	---	5.05
57		---	---	ND	---	2.28
58		---	---	ND	---	1.95
59	59/62/75	---	---	ND	---	5.25
60		---	---	ND	---	5.14
61	61/70/74/76	30.083	0.79	22.1 BJ	---	15.3
62	59/62/75	---	---	ND	---	5.25
63		---	---	ND	---	2.39
64		27.354	0.72	10.2 BJ	---	5.32
65	44/47/65	26.039	0.94	--- JI	(23.6)	18.7
66		30.423	0.73	13.6 J	---	13.0
67		---	---	ND	---	2.18
68		---	---	ND	---	2.44
69	49/69	25.467	0.84	(10.8) J	---	9.91
70	61/70/74/76	30.083	0.79	(22.1) BJ	---	15.3
71	40/41/71	27.091	0.72	(12.5) J	---	12.4
72		---	---	ND	---	2.08
73	43/73	---	---	ND	---	10.1
74	61/70/74/76	30.083	0.79	(22.1) BJ	---	15.3
75	59/62/75	---	---	ND	---	5.25
76	61/70/74/76	30.083	0.79	(22.1) BJ	---	15.3
77		---	---	ND	---	2.85
78		---	---	ND	---	2.61
79		---	---	ND	---	2.64
80		---	---	ND	---	1.61
81		---	---	ND	---	2.11
82		---	---	ND	---	6.59
83		---	---	ND	---	2.69
84		30.284	1.77	4.05 J	---	4.02
85	85/116/117	---	---	ND	---	6.63
86	86/87/97/108/119/125	---	---	ND	---	12.1
87	86/87/97/108/119/125	---	---	ND	---	12.1
88	88/91	---	---	ND	---	5.95

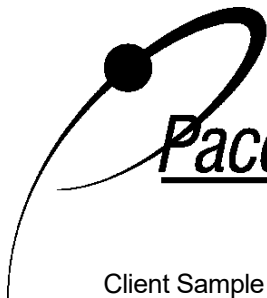
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-08-10-250206
Lab Sample ID 10723332002
Filename P250312B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	3.03
90	90/101/113	32.249	1.66	12.7 J	---	11.7
91	88/91	---	---	ND	---	5.95
92		---	---	ND	---	3.36
93	93/98/100/102	---	---	ND	---	8.58
94		---	---	ND	---	2.03
95		---	---	ND	---	14.3
96		---	---	ND	---	3.81
97	86/87/97/108/119/125	---	---	ND	---	12.1
98	93/98/100/102	---	---	ND	---	8.58
99		32.883	1.23	--- JI	5.10	4.50
100	93/98/100/102	---	---	ND	---	8.58
101	90/101/113	32.249	1.66	(12.7) J	---	11.7
102	93/98/100/102	---	---	ND	---	8.58
103		---	---	ND	---	2.91
104		---	---	ND	---	2.59
105		---	---	ND	---	3.96
106		---	---	ND	---	2.34
107	107/124	---	---	ND	---	3.99
108	86/87/97/108/119/125	---	---	ND	---	12.1
109		---	---	ND	---	3.09
110	110/115	34.306	1.40	15.5 BJ	---	8.00
111		---	---	ND	---	2.38
112		---	---	ND	---	2.43
113	90/101/113	32.249	1.66	(12.7) J	---	11.7
114		---	---	ND	---	2.14
115	110/115	34.306	1.40	(15.5) BJ	---	8.00
116	85/116/117	---	---	ND	---	6.63
117	85/116/117	---	---	ND	---	6.63
118		---	---	ND	---	5.72
119	86/87/97/108/119/125	---	---	ND	---	12.1
120		---	---	ND	---	2.53
121		---	---	ND	---	2.14
122		---	---	ND	---	3.51
123		---	---	ND	---	2.48
124	107/124	---	---	ND	---	3.99
125	86/87/97/108/119/125	---	---	ND	---	12.1
126		---	---	ND	---	2.25
127		---	---	ND	---	2.51
128	128/166	---	---	ND	---	4.88
129	129/138/163	---	---	ND	---	9.73
130		---	---	ND	---	2.68
131		---	---	ND	---	2.94
132		---	---	ND	---	4.27

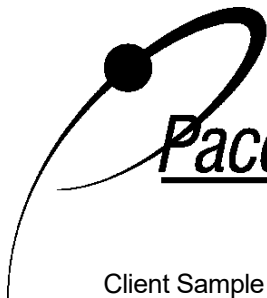
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-08-10-250206
Lab Sample ID 10723332002
Filename P250312B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	2.82
134	134/143	---	---	ND	---	4.11
135	135/151	---	---	ND	---	8.27
136		---	---	ND	---	4.27
137		---	---	ND	---	3.22
138	129/138/163	---	---	ND	---	9.73
139	139/140	---	---	ND	---	3.94
140	139/140	---	---	ND	---	3.94
141		---	---	ND	---	3.61
142		---	---	ND	---	2.61
143	134/143	---	---	ND	---	4.11
144		---	---	ND	---	3.61
145		---	---	ND	---	2.35
146		---	---	ND	---	3.52
147	147/149	---	---	ND	---	10.4
148		---	---	ND	---	4.89
149	147/149	---	---	ND	---	10.4
150		---	---	ND	---	2.64
151	135/151	---	---	ND	---	8.27
152		---	---	ND	---	2.87
153	153/168	39.343	1.10	7.55 J	---	6.82
154		---	---	ND	---	2.96
155		---	---	ND	---	2.66
156	156/157	---	---	ND	---	3.81
157	156/157	---	---	ND	---	3.81
158		---	---	ND	---	2.08
159		---	---	ND	---	2.49
160		---	---	ND	---	2.54
161		---	---	ND	---	2.04
162		---	---	ND	---	2.28
163	129/138/163	---	---	ND	---	9.73
164		---	---	ND	---	2.66
165		---	---	ND	---	1.89
166	128/166	---	---	ND	---	4.88
167		---	---	ND	---	2.62
168	153/168	39.343	1.10	(7.55) J	---	6.82
169		---	---	ND	---	2.89
170		---	---	ND	---	4.54
171	171/173	---	---	ND	---	4.21
172		---	---	ND	---	2.88
173	171/173	---	---	ND	---	4.21
174		---	---	ND	---	4.75
175		---	---	ND	---	2.21
176		---	---	ND	---	3.11

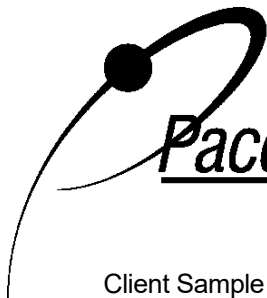
Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
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B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

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Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-08-10-250206
Lab Sample ID 10723332002
Filename P250312B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		---	---	ND	---	3.86
178		---	---	ND	---	3.11
179		---	---	ND	---	3.45
180	180/193	---	---	ND	---	8.22
181		---	---	ND	---	2.57
182		---	---	ND	---	2.86
183	183/185	---	---	ND	---	5.54
184		38.857	1.07	2.87 J	---	2.45
185	183/185	---	---	ND	---	5.54
186		---	---	ND	---	2.61
187		---	---	ND	---	5.07
188		---	---	ND	---	1.95
189		---	---	ND	---	2.97
190		---	---	ND	---	2.48
191		---	---	ND	---	1.99
192		---	---	ND	---	2.53
193	180/193	---	---	ND	---	8.22
194		---	---	ND	---	3.03
195		---	---	ND A	---	2.96
196		---	---	ND	---	2.52
197	197/200	---	---	ND	---	5.40
198	198/199	---	---	ND	---	4.15
199	198/199	---	---	ND	---	4.15
200	197/200	---	---	ND	---	5.40
201		---	---	ND	---	2.20
202		---	---	ND A	---	1.67
203		---	---	ND	---	3.04
204		---	---	ND	---	2.04
205		---	---	ND	---	2.49
206		---	---	ND A	---	3.28
207		---	---	ND A	---	2.10
208		---	---	ND A	---	2.32
209		---	---	ND	---	3.33

Conc = Concentration
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-08-10-250206
Lab Sample ID 10723332002
Filename P250312B_08

Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	223
Total Trichloro Biphenyls	98.5
Total Tetrachloro Biphenyls	119
Total Pentachloro Biphenyls	32.3
Total Hexachloro Biphenyls	7.55
Total Heptachloro Biphenyls	2.87
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	483

ND = Not Detected

Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-01-10-12-250206		
Lab Sample ID	10723332003		
Filename	P250406B_08		
Injected By	JRH		
Total Amount Extracted	14.1 g	Matrix	SOLID
% Moisture	12.9	Dilution	NA
Dry Weight Extracted	12.2 g	Collected	02/06/2025 13:00
ICAL ID	P250406B02	Received	02/10/2025 08:50
CCal Filename(s)	P250406B_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/07/2025 01:09

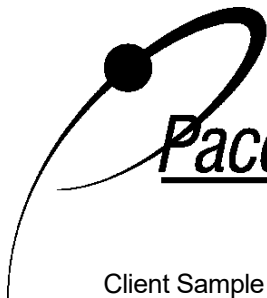
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.027	3.40	2.0	1.12	56
13C-4-MoCB	3	12.923	3.38	2.0	1.21	60
13C-2,2'-DiCB	4	13.234	1.53	2.0	0.903	45
13C-4,4'-DiCB	15	20.438	1.61	2.0	1.34	67
13C-2,2',6-TrCB	19	17.135	1.10	2.0	0.796	40
13C-3,4,4'-TrCB	37	28.306	1.04	2.0	1.90	95
13C-2,2',6,6'-TeCB	54	20.790	0.81	2.0	1.26	63
13C-3,4,4',5-TeCB	81	35.473	0.80	2.0	1.88	94
13C-3,3',4,4'-TeCB	77	36.070	0.81	2.0	1.84	92
13C-2,2',4,6,6'-PeCB	104	26.983	1.65	2.0	1.10	55
13C-2,3,3',4,4'-PeCB	105	39.691	1.56	2.0	1.82	91
13C-2,3,4,4',5-PeCB	114	39.041	1.60	2.0	1.94	97
13C-2,3',4,4',5-PeCB	118	38.476	1.52	2.0	1.94	97
13C-2,3',4,4',5'-PeCB	123	38.134	1.54	2.0	1.93	97
13C-3,3',4,4',5-PeCB	126	42.873	1.56	2.0	1.83	92
13C-2,2',4,4',6,6'-HxCB	155	33.070	1.22	2.0	1.15	58
13C-HxCB (156/157)	156/157	45.957	1.27	4.0	3.76	94
13C-2,3',4,4',5,5'-HxCB	167	44.777	1.30	2.0	1.88	94
13C-3,3',4,4',5,5'-HxCB	169	49.259	1.27	2.0	1.94	97
13C-2,2',3,4',5,6,6'-HpCB	188	39.023	1.06	2.0	1.17	58
13C-2,3,3',4,4',5,5'-HpCB	189	51.841	1.08	2.0	1.90	95
13C-2,2',3,3',5,5',6,6'-OxCB	202	44.537	0.93	2.0	1.10	55
13C-2,3,3',4,4',5,5',6-OxCB	205	54.440	0.92	2.0	1.35	68
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.195	0.77	2.0	1.11	56
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.330	0.82	2.0	1.16	58
13C-DeCB	209	57.839	0.72	2.0	0.996	50
CleanupStandards						
13C-2,4,4'-TrCB	28	23.903	1.06	2.0	1.90	95
13C-2,3,3',5,5'-PeCB	111	36.118	1.56	2.0	1.40	70
13C-2,2',3,3',5,5',6-HpCB	178	42.154	1.03	2.0	1.30	65
Recovery Standards						
13C-2,5-DiCB	9	15.764	1.56	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.919	0.78	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.296	1.62	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.692	1.26	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.973	0.90	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
Results reported on a dry weight basis

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REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-10-12-250206
Lab Sample ID 10723332003
Filename P250406B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	3.46
2		---	---	ND	---	4.84
3		---	---	ND	---	6.19
4		---	---	ND	---	3.76
5		---	---	ND A	---	3.95
6		---	---	ND A	---	3.49
7		---	---	ND A	---	3.36
8		16.795	1.55	8.81 BJ	---	5.60
9		---	---	ND	---	2.68
10		---	---	ND	---	3.15
11		19.747	1.55	186 BJ	---	89.8
12	12/13	---	---	ND	---	4.83
13	12/13	---	---	ND	---	4.83
14		---	---	ND A	---	3.44
15		---	---	ND	---	4.77
16		20.415	1.20	6.99 J	---	5.06
17		19.876	1.03	7.07 J	---	4.91
18	18/30	19.396	1.04	11.4 J	---	10.5
19		---	---	ND	---	3.23
20	20/28	---	---	ND	---	26.5
21	21/33	---	---	ND	---	15.1
22		---	---	ND	---	12.7
23		---	---	ND	---	2.75
24		---	---	ND	---	2.91
25		---	---	ND	---	3.01
26	26/29	---	---	ND	---	5.98
27		---	---	ND	---	3.34
28	20/28	---	---	ND	---	26.5
29	26/29	---	---	ND	---	5.98
30	18/30	19.396	1.04	(11.4) J	---	10.5
31		---	---	ND	---	22.3
32		21.016	1.01	5.77 J	---	4.81
33	21/33	---	---	ND	---	15.1
34		---	---	ND	---	2.79
35		27.886	0.86	--- JI	3.37	3.00
36		---	---	ND	---	2.57
37		---	---	ND	---	6.79
38		---	---	ND	---	2.39
39		---	---	ND	---	2.83
40	40/41/71	---	---	ND	---	10.4
41	40/41/71	---	---	ND	---	10.4
42		---	---	ND	---	5.83
43	43/73	---	---	ND	---	10.2
44	44/47/65	---	---	ND	---	22.1

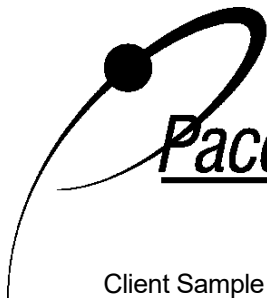
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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-10-12-250206
Lab Sample ID 10723332003
Filename P250406B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	24.064	0.87	6.39 J	---	6.37
46		---	---	ND	---	2.92
47	44/47/65	---	---	ND	---	22.1
48		---	---	ND	---	3.64
49	49/69	---	---	ND	---	10.6
50	50/53	---	---	ND	---	5.69
51	45/51	24.064	0.87	(6.39) J	---	6.37
52		25.951	0.83	21.4 BJ	---	20.0
53	50/53	---	---	ND	---	5.69
54		---	---	ND	---	2.74
55		---	---	ND	---	3.00
56		---	---	ND	---	6.69
57		---	---	ND	---	2.72
58		---	---	ND	---	2.43
59	59/62/75	---	---	ND	---	8.04
60		---	---	ND	---	5.46
61	61/70/74/76	---	---	ND	---	23.2
62	59/62/75	---	---	ND	---	8.04
63		---	---	ND	---	2.37
64		---	---	ND	---	8.33
65	44/47/65	---	---	ND	---	22.1
66		---	---	ND	---	14.3
67		---	---	ND	---	2.47
68		---	---	ND	---	2.24
69	49/69	---	---	ND	---	10.6
70	61/70/74/76	---	---	ND	---	23.2
71	40/41/71	---	---	ND	---	10.4
72		---	---	ND	---	2.24
73	43/73	---	---	ND	---	10.2
74	61/70/74/76	---	---	ND	---	23.2
75	59/62/75	---	---	ND	---	8.04
76	61/70/74/76	---	---	ND	---	23.2
77		---	---	ND	---	2.72
78		---	---	ND	---	2.38
79		---	---	ND	---	2.15
80		---	---	ND	---	1.93
81		---	---	ND	---	2.30
82		---	---	ND	---	6.28
83		---	---	ND	---	3.41
84		---	---	ND	---	4.09
85	85/116/117	---	---	ND	---	8.25
86	86/87/97/108/119/125	---	---	ND	---	15.9
87	86/87/97/108/119/125	---	---	ND	---	15.9
88	88/91	31.038	0.96	--- JI	7.05	5.51

Conc = Concentration
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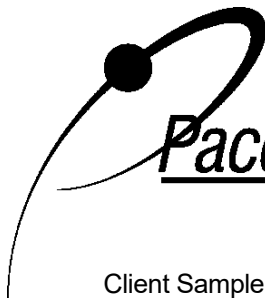
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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-01-10-12-250206
Lab Sample ID 10723332003
Filename P250406B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	3.36
90	90/101/113	33.328	1.49	12.1 J	---	10.1
91	88/91	31.038	0.96	---	(7.05)	5.51
92		---	---	ND	---	3.19
93	93/98/100/102	---	---	ND	---	11.4
94		---	---	ND	---	2.76
95		---	---	ND	---	13.2
96		---	---	ND	---	3.49
97	86/87/97/108/119/125	---	---	ND	---	15.9
98	93/98/100/102	---	---	ND	---	11.4
99		---	---	ND	---	5.30
100	93/98/100/102	---	---	ND	---	11.4
101	90/101/113	33.328	1.49	(12.1) J	---	10.1
102	93/98/100/102	---	---	ND	---	11.4
103		---	---	ND	---	3.24
104		---	---	ND	---	2.36
105		39.725	1.64	4.23 J	---	4.03
106		---	---	ND	---	2.16
107	107/124	---	---	ND	---	4.57
108	86/87/97/108/119/125	---	---	ND	---	15.9
109		---	---	ND	---	2.81
110	110/115	---	---	ND	---	11.8
111		---	---	ND	---	2.74
112		---	---	ND	---	3.61
113	90/101/113	33.328	1.49	(12.1) J	---	10.1
114		---	---	ND	---	2.25
115	110/115	---	---	ND	---	11.8
116	85/116/117	---	---	ND	---	8.25
117	85/116/117	---	---	ND	---	8.25
118		38.510	1.72	8.23 BJ	---	7.01
119	86/87/97/108/119/125	---	---	ND	---	15.9
120		---	---	ND	---	2.97
121		---	---	ND	---	3.15
122		---	---	ND	---	2.61
123		---	---	ND	---	2.92
124	107/124	---	---	ND	---	4.57
125	86/87/97/108/119/125	---	---	ND	---	15.9
126		---	---	ND	---	2.60
127		---	---	ND	---	2.36
128	128/166	---	---	ND	---	4.48
129	129/138/163	41.727	1.52	---	9.92	9.15
130		---	---	ND	---	2.88
131		---	---	ND	---	2.85
132		38.613	1.42	4.32 J	---	2.96

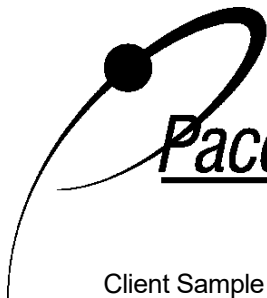
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-10-12-250206
Lab Sample ID 10723332003
Filename P250406B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	2.61
134	134/143	---	---	ND	---	4.43
135	135/151	---	---	ND	---	6.43
136		---	---	ND	---	3.34
137		---	---	ND	---	2.50
138	129/138/163	41.727	1.52	--- JI	(9.92)	9.15
139	139/140	---	---	ND	---	4.52
140	139/140	---	---	ND	---	4.52
141		40.632	1.14	2.54 J	---	2.52
142		---	---	ND	---	2.44
143	134/143	---	---	ND	---	4.43
144		---	---	ND	---	3.04
145		---	---	ND	---	3.03
146		---	---	ND	---	2.86
147	147/149	37.313	1.39	8.66 J	---	6.86
148		---	---	ND	---	4.86
149	147/149	37.313	1.39	(8.66) J	---	6.86
150		---	---	ND	---	2.67
151	135/151	---	---	ND	---	6.43
152		---	---	ND	---	3.41
153	153/168	40.443	1.43	8.76 J	---	5.78
154		---	---	ND	---	2.81
155		33.102	1.05	2.80 J	---	2.19
156	156/157	---	---	ND	---	4.47
157	156/157	---	---	ND	---	4.47
158		---	---	ND	---	2.24
159		---	---	ND	---	2.90
160		---	---	ND	---	2.14
161		---	---	ND	---	1.90
162		---	---	ND	---	2.52
163	129/138/163	41.727	1.52	--- JI	(9.92)	9.15
164		---	---	ND	---	2.86
165		---	---	ND	---	2.33
166	128/166	---	---	ND	---	4.48
167		---	---	ND	---	2.70
168	153/168	40.443	1.43	(8.76) J	---	5.78
169		---	---	ND	---	2.39
170		48.677	1.14	4.19 J	---	3.60
171	171/173	---	---	ND	---	4.93
172		---	---	ND	---	2.93
173	171/173	---	---	ND	---	4.93
174		43.990	1.24	--- JI	3.62	3.53
175		---	---	ND A	---	5.65
176		---	---	ND A	---	4.33

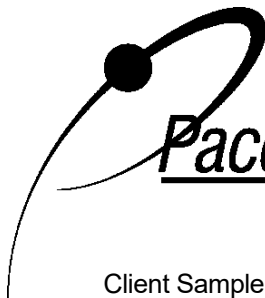
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-10-12-250206
Lab Sample ID 10723332003
Filename P250406B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		44.435	1.06	4.43 J	---	3.06
178		---	---	ND A	---	5.96
179		---	---	ND A	---	4.23
180	180/193	47.394	1.01	9.17 J	---	6.51
181		---	---	ND	---	2.79
182		---	---	ND A	---	5.01
183	183/185	---	---	ND	---	5.35
184		---	---	ND A	---	4.13
185	183/185	---	---	ND	---	5.35
186		---	---	ND A	---	4.37
187		---	---	ND A	---	5.31
188		---	---	ND	---	2.46
189		---	---	ND	---	3.06
190		---	---	ND	---	3.17
191		---	---	ND	---	2.72
192		---	---	ND	---	3.25
193	180/193	47.394	1.01	(9.17) J	---	6.51
194		---	---	ND	---	3.50
195		---	---	ND	---	3.54
196		---	---	ND	---	3.30
197	197/200	---	---	ND	---	5.68
198	198/199	---	---	ND	---	5.84
199	198/199	---	---	ND	---	5.84
200	197/200	---	---	ND	---	5.68
201		---	---	ND	---	2.52
202		44.589	0.89	4.21 J	---	2.28
203		---	---	ND	---	3.28
204		---	---	ND	---	2.37
205		---	---	ND	---	2.51
206		---	---	ND A	---	5.10
207		---	---	ND A	---	3.29
208		---	---	ND A	---	3.30
209		---	---	ND	---	3.24

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

ND = Not Detected
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NC = Not Calculated
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Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-10-12-250206
Lab Sample ID 10723332003
Filename P250406B_08

Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	195
Total Trichloro Biphenyls	31.3
Total Tetrachloro Biphenyls	27.8
Total Pentachloro Biphenyls	24.5
Total Hexachloro Biphenyls	27.1
Total Heptachloro Biphenyls	17.8
Total Octachloro Biphenyls	4.21
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	327

ND = Not Detected

Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-01-12-14-250206		
Lab Sample ID	10723332004		
Filename	P250406B_09		
Injected By	JRH		
Total Amount Extracted	13.7 g	Matrix	SOLID
% Moisture	12.7	Dilution	NA
Dry Weight Extracted	11.9 g	Collected	02/06/2025 13:05
ICAL ID	P250406B02	Received	02/10/2025 08:50
CCal Filename(s)	P250406B_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/07/2025 02:11

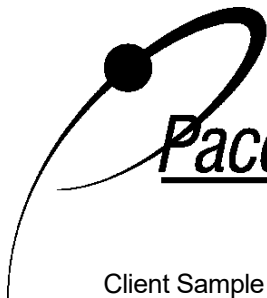
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	10.015	3.59	2.0	0.887	44
13C-4-MoCB	3	12.922	3.20	2.0	1.07	54
13C-2,2'-DiCB	4	13.234	1.63	2.0	0.817	41
13C-4,4'-DiCB	15	20.438	1.63	2.0	1.30	65
13C-2,2',6-TrCB	19	17.123	1.07	2.0	0.708	35
13C-3,4,4'-TrCB	37	28.289	1.06	2.0	1.85	93
13C-2,2',6,6'-TeCB	54	20.789	0.82	2.0	1.12	56
13C-3,4,4',5-TeCB	81	35.473	0.80	2.0	1.87	94
13C-3,3',4,4'-TeCB	77	36.069	0.79	2.0	1.77	88
13C-2,2',4,6,6'-PeCB	104	26.967	1.77	2.0	1.02	51
13C-2,3,3',4,4'-PeCB	105	39.690	1.58	2.0	1.97	98
13C-2,3,4,4',5-PeCB	114	39.023	1.55	2.0	2.01	100
13C-2,3',4,4',5-PeCB	118	38.475	1.60	2.0	1.97	99
13C-2,3',4,4',5'-PeCB	123	38.133	1.59	2.0	1.96	98
13C-3,3',4,4',5-PeCB	126	42.855	1.53	2.0	1.97	98
13C-2,2',4,4',6,6'-HxCB	155	33.086	1.29	2.0	1.03	51
13C-HxCB (156/157)	156/157	45.956	1.24	4.0	3.71	93
13C-2,3',4,4',5,5'-HxCB	167	44.776	1.24	2.0	1.96	98
13C-3,3',4,4',5,5'-HxCB	169	49.258	1.23	2.0	1.93	97
13C-2,2',3,4',5,6,6'-HpCB	188	39.006	1.05	2.0	1.02	51
13C-2,3,3',4,4',5,5'-HpCB	189	51.817	1.04	2.0	1.81	91
13C-2,2',3,3',5,5',6,6'-OxCB	202	44.519	0.85	2.0	1.00	50
13C-2,3,3',4,4',5,5',6-OxCB	205	54.438	0.93	2.0	1.30	65
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.193	0.80	2.0	1.05	53
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.329	0.79	2.0	1.15	57
13C-DeCB	209	57.815	0.72	2.0	0.927	46
CleanupStandards						
13C-2,4,4'-TrCB	28	23.902	1.08	2.0	1.78	89
13C-2,3,3',5,5'-PeCB	111	36.118	1.57	2.0	1.40	70
13C-2,2',3,3',5,5',6-HpCB	178	42.136	1.07	2.0	1.23	62
Recovery Standards						
13C-2,5-DiCB	9	15.752	1.60	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.918	0.81	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.295	1.60	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.674	1.27	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.950	0.91	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
Results reported on a dry weight basis

* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference
ng's = Nanograms

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-12-14-250206
Lab Sample ID 10723332004
Filename P250406B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	3.55
2		---	---	ND	---	4.96
3		---	---	ND	---	6.35
4		---	---	ND	---	3.86
5		---	---	ND	---	2.67
6		16.256	1.41	2.66 J	---	2.51
7		---	---	ND	---	2.33
8		16.783	1.79	9.62 BJ	---	5.74
9		---	---	ND	---	2.75
10		---	---	ND	---	3.24
11		19.735	1.51	250 B	---	92.2
12	12/13	---	---	ND	---	4.95
13	12/13	---	---	ND	---	4.95
14		---	---	ND	---	2.49
15		20.449	1.52	7.64 J	---	4.89
16		20.403	1.11	5.99 J	---	5.19
17		19.876	1.00	6.45 J	---	5.04
18	18/30	19.384	1.08	11.1 J	---	10.8
19		---	---	ND	---	3.31
20	20/28	23.918	1.06	35.7 J	---	27.2
21	21/33	24.192	1.06	18.5 J	---	15.5
22		---	---	ND	---	13.1
23		---	---	ND	---	2.82
24		---	---	ND	---	2.98
25		---	---	ND	---	3.09
26	26/29	---	---	ND	---	6.13
27		---	---	ND	---	3.43
28	20/28	23.918	1.06	(35.7) J	---	27.2
29	26/29	---	---	ND	---	6.13
30	18/30	19.384	1.08	(11.1) J	---	10.8
31		23.580	1.09	31.3 J	---	22.9
32		21.015	1.06	6.24 J	---	4.94
33	21/33	24.192	1.06	(18.5) J	---	15.5
34		---	---	ND	---	2.87
35		27.870	1.03	6.54 BJ	---	3.08
36		26.354	1.01	3.24 J	---	2.64
37		28.322	1.08	9.68 BJ	---	6.96
38		---	---	ND	---	2.46
39		---	---	ND	---	2.91
40	40/41/71	---	---	ND	---	10.6
41	40/41/71	---	---	ND	---	10.6
42		---	---	ND	---	5.98
43	43/73	---	---	ND	---	10.5
44	44/47/65	---	---	ND	---	22.6

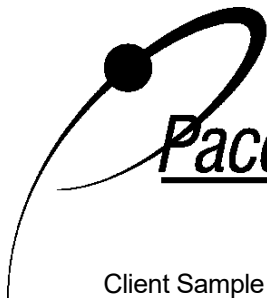
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EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-12-14-250206
Lab Sample ID 10723332004
Filename P250406B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	---	---	ND	---	6.54
46		---	---	ND	---	2.99
47	44/47/65	---	---	ND	---	22.6
48		---	---	ND	---	3.74
49	49/69	---	---	ND	---	10.9
50	50/53	---	---	ND	---	5.83
51	45/51	---	---	ND	---	6.54
52		25.934	0.78	30.8 BJ	---	20.5
53	50/53	---	---	ND	---	5.83
54		---	---	ND	---	2.81
55		---	---	ND	---	3.08
56		32.231	0.69	7.66 BJ	---	6.86
57		---	---	ND	---	2.79
58		---	---	ND	---	2.49
59	59/62/75	---	---	ND	---	8.25
60		32.473	0.75	5.80 J	---	5.60
61	61/70/74/76	31.150	0.77	26.2 BJ	---	23.8
62	59/62/75	---	---	ND	---	8.25
63		---	---	ND	---	2.43
64		---	---	ND	---	8.55
65	44/47/65	---	---	ND	---	22.6
66		31.489	0.78	16.4 J	---	14.7
67		---	---	ND	---	2.54
68		---	---	ND	---	2.30
69	49/69	---	---	ND	---	10.9
70	61/70/74/76	31.150	0.77	(26.2) BJ	---	23.8
71	40/41/71	---	---	ND	---	10.6
72		---	---	ND	---	2.30
73	43/73	---	---	ND	---	10.5
74	61/70/74/76	31.150	0.77	(26.2) BJ	---	23.8
75	59/62/75	---	---	ND	---	8.25
76	61/70/74/76	31.150	0.77	(26.2) BJ	---	23.8
77		---	---	ND	---	2.79
78		---	---	ND	---	2.44
79		---	---	ND	---	2.20
80		---	---	ND	---	1.98
81		---	---	ND	---	2.36
82		---	---	ND	---	6.44
83		---	---	ND	---	3.50
84		---	---	ND	---	4.20
85	85/116/117	---	---	ND	---	8.46
86	86/87/97/108/119/125	---	---	ND	---	16.3
87	86/87/97/108/119/125	---	---	ND	---	16.3
88	88/91	---	---	ND	---	5.65

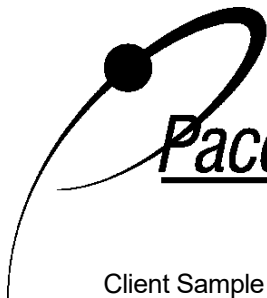
Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
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Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-01-12-14-250206
Lab Sample ID 10723332004
Filename P250406B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	3.44
90	90/101/113	---	---	ND	---	10.4
91	88/91	---	---	ND	---	5.65
92		---	---	ND	---	3.27
93	93/98/100/102	---	---	ND	---	11.7
94		---	---	ND	---	2.83
95		---	---	ND	---	13.5
96		---	---	ND	---	3.58
97	86/87/97/108/119/125	---	---	ND	---	16.3
98	93/98/100/102	---	---	ND	---	11.7
99		---	---	ND	---	5.44
100	93/98/100/102	---	---	ND	---	11.7
101	90/101/113	---	---	ND	---	10.4
102	93/98/100/102	---	---	ND	---	11.7
103		---	---	ND	---	3.33
104		---	---	ND	---	2.42
105		39.707	1.62	4.29 J	---	4.13
106		---	---	ND	---	2.21
107	107/124	---	---	ND	---	4.69
108	86/87/97/108/119/125	---	---	ND	---	16.3
109		---	---	ND	---	2.88
110	110/115	---	---	ND	---	12.1
111		---	---	ND	---	2.82
112		---	---	ND	---	3.70
113	90/101/113	---	---	ND	---	10.4
114		---	---	ND	---	2.31
115	110/115	---	---	ND	---	12.1
116	85/116/117	---	---	ND	---	8.46
117	85/116/117	---	---	ND	---	8.46
118		38.492	1.66	8.19 BJ	---	7.19
119	86/87/97/108/119/125	---	---	ND	---	16.3
120		---	---	ND	---	3.05
121		---	---	ND	---	3.24
122		---	---	ND	---	2.67
123		---	---	ND	---	3.00
124	107/124	---	---	ND	---	4.69
125	86/87/97/108/119/125	---	---	ND	---	16.3
126		---	---	ND	---	2.67
127		---	---	ND	---	2.42
128	128/166	---	---	ND	---	4.60
129	129/138/163	---	---	ND	---	9.39
130		---	---	ND	---	2.95
131		---	---	ND	---	2.92
132		38.612	1.09	3.60 J	---	3.03

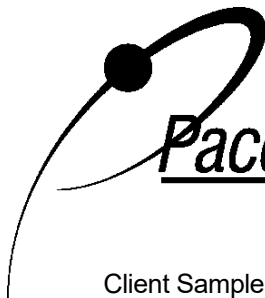
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-12-14-250206
Lab Sample ID 10723332004
Filename P250406B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	2.68
134	134/143	---	---	ND	---	4.54
135	135/151	---	---	ND	---	6.60
136		---	---	ND	---	3.43
137		---	---	ND	---	2.56
138	129/138/163	---	---	ND	---	9.39
139	139/140	---	---	ND	---	4.63
140	139/140	---	---	ND	---	4.63
141		40.665	1.13	4.69 J	---	2.59
142		---	---	ND	---	2.51
143	134/143	---	---	ND	---	4.54
144		---	---	ND	---	3.12
145		---	---	ND	---	3.11
146		---	---	ND	---	2.93
147	147/149	---	---	ND	---	7.04
148		---	---	ND	---	4.99
149	147/149	---	---	ND	---	7.04
150		---	---	ND	---	2.74
151	135/151	---	---	ND	---	6.60
152		---	---	ND	---	3.50
153	153/168	40.425	1.24	7.83 J	---	5.93
154		---	---	ND	---	2.88
155		33.118	1.36	3.17 J	---	2.25
156	156/157	---	---	ND	---	4.58
157	156/157	---	---	ND	---	4.58
158		---	---	ND	---	2.30
159		---	---	ND	---	2.98
160		---	---	ND	---	2.20
161		---	---	ND	---	1.94
162		---	---	ND	---	2.59
163	129/138/163	---	---	ND	---	9.39
164		---	---	ND	---	2.93
165		---	---	ND	---	2.39
166	128/166	---	---	ND	---	4.60
167		---	---	ND	---	2.77
168	153/168	40.425	1.24	(7.83) J	---	5.93
169		---	---	ND	---	2.46
170		---	---	ND	---	3.70
171	171/173	---	---	ND	---	5.06
172		---	---	ND	---	3.01
173	171/173	---	---	ND	---	5.06
174		---	---	ND	---	3.62
175		---	---	ND	---	2.50
176		---	---	ND	---	3.09

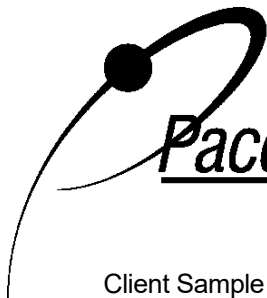
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-12-14-250206
Lab Sample ID 10723332004
Filename P250406B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		---	---	ND	---	3.14
178		---	---	ND	---	3.37
179		---	---	ND	---	3.38
180	180/193	---	---	ND	---	6.68
181		---	---	ND	---	2.86
182		---	---	ND	---	2.78
183	183/185	---	---	ND	---	5.49
184		39.946	0.83	--- JI	2.80	2.51
185	183/185	---	---	ND	---	5.49
186		---	---	ND	---	2.94
187		43.094	1.03	3.85 J	---	3.41
188		---	---	ND	---	2.52
189		---	---	ND	---	3.14
190		---	---	ND	---	3.25
191		---	---	ND	---	2.79
192		---	---	ND	---	3.34
193	180/193	---	---	ND	---	6.68
194		---	---	ND	---	3.59
195		---	---	ND	---	3.64
196		---	---	ND	---	3.39
197	197/200	---	---	ND	---	5.82
198	198/199	---	---	ND	---	5.99
199	198/199	---	---	ND	---	5.99
200	197/200	---	---	ND	---	5.82
201		---	---	ND	---	2.59
202		---	---	ND	---	2.34
203		---	---	ND	---	3.36
204		---	---	ND	---	2.43
205		---	---	ND	---	2.57
206		---	---	ND	---	3.75
207		---	---	ND	---	3.19
208		---	---	ND	---	2.52
209		---	---	ND	---	3.33

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ng's = Nanograms

Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-12-14-250206
Lab Sample ID 10723332004
Filename P250406B_09

Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	270
Total Trichloro Biphenyls	135
Total Tetrachloro Biphenyls	86.9
Total Pentachloro Biphenyls	12.5
Total Hexachloro Biphenyls	19.3
Total Heptachloro Biphenyls	3.85
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	527

ND = Not Detected

Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-01-28-30-250206		
Lab Sample ID	10723332005		
Filename	P250428A_12		
Injected By	CVS		
Total Amount Extracted	16.0 g	Matrix	SOLID
% Moisture	32.4	Dilution	NA
Dry Weight Extracted	10.8 g	Collected	02/06/2025 13:40
ICAL ID	P250428A04	Received	02/10/2025 08:50
CCal Filename(s)	P250428A_03	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/29/2025 01:01

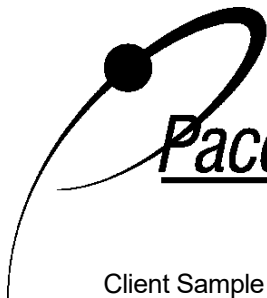
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.335	3.05	2.0	1.13	57
13C-4-MoCB	3	12.134	2.94	2.0	1.23	61
13C-2,2'-DiCB	4	12.445	1.48	2.0	1.28	64
13C-4,4'-DiCB	15	19.498	1.55	2.0	1.45	72
13C-2,2',6-TrCB	19	16.253	0.97	2.0	1.35	68
13C-3,4,4'-TrCB	37	27.262	1.05	2.0	1.39	70
13C-2,2',6,6'-TeCB	54	19.842	0.81	2.0	1.22	61
13C-3,4,4',5-TeCB	81	34.380	0.81	2.0	1.57	79
13C-3,3',4,4'-TeCB	77	34.960	0.79	2.0	1.59	80
13C-2,2',4,6,6'-PeCB	104	25.955	1.58	2.0	1.42	71
13C-2,3,3',4,4'-PeCB	105	38.579	1.59	2.0	1.51	75
13C-2,3,4,4',5-PeCB	114	37.912	1.56	2.0	1.52	76
13C-2,3',4,4',5-PeCB	118	37.364	1.58	2.0	1.57	78
13C-2,3',4,4',5'-PeCB	123	37.022	1.61	2.0	1.52	76
13C-3,3',4,4',5-PeCB	126	41.727	1.66	2.0	1.51	75
13C-2,2',4,4',6,6'-HxCB	155	31.993	1.21	2.0	1.40	70
13C-HxCB (156/157)	156/157	44.811	1.27	4.0	2.51	63
13C-2,3',4,4',5,5'-HxCB	167	43.631	1.35	2.0	1.33	66
13C-3,3',4,4',5,5'-HxCB	169	48.096	1.23	2.0	1.30	65
13C-2,2',3,4',5,6,6'-HpCB	188	37.912	1.09	2.0	1.76	88
13C-2,3,3',4,4',5,5'-HpCB	189	50.664	1.03	2.0	1.36	68
13C-2,2',3,3',5,5',6,6'-OxCB	202	43.391	0.92	2.0	1.55	77
13C-2,3,3',4,4',5,5',6-OxCB	205	53.286	0.90	2.0	1.42	71
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.019	0.79	2.0	1.50	75
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	50.175	0.81	2.0	1.49	74
13C-DeCB	209	56.618	0.67	2.0	1.65	83
CleanupStandards						
13C-2,4,4'-TrCB	28	22.906	1.11	2.0	1.44	72
13C-2,3,3',5,5'-PeCB	111	35.009	1.53	2.0	1.56	78
13C-2,2',3,3',5,5',6-HpCB	178	41.026	1.06	2.0	1.62	81
Recovery Standards						
13C-2,5-DiCB	9	14.918	1.59	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	24.907	0.83	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	32.219	1.58	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	40.564	1.25	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	52.797	0.95	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
Results reported on a dry weight basis

* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference
ng's = Nanograms

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-28-30-250206
Lab Sample ID 10723332005
Filename P250428A_12

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	3.93
2		---	---	ND	---	5.49
3		---	---	ND	---	7.03
4		---	---	ND A	---	9.54
5		---	---	ND A	---	4.52
6		---	---	ND A	---	4.01
7		---	---	ND A	---	3.94
8		15.926	1.52	10.2 BJ	---	6.35
9		---	---	ND A	---	3.86
10		---	---	ND A	---	4.74
11		18.819	1.54	244 B	---	102
12	12/13	---	---	ND	---	5.48
13	12/13	---	---	ND	---	5.48
14		---	---	ND A	---	4.15
15		19.521	1.52	6.35 J	---	5.42
16		19.463	0.90	6.25 J	---	5.74
17		18.947	1.04	6.42 J	---	5.57
18	18/30	18.467	1.09	12.9 J	---	12.0
19		---	---	ND	---	3.66
20	20/28	22.939	0.95	33.7 J	---	30.1
21	21/33	---	---	ND	---	17.2
22		---	---	ND	---	14.5
23		---	---	ND	---	3.13
24		---	---	ND	---	3.30
25		---	---	ND	---	3.42
26	26/29	---	---	ND	---	6.79
27		---	---	ND	---	3.79
28	20/28	22.939	0.95	(33.7) J	---	30.1
29	26/29	---	---	ND	---	6.79
30	18/30	18.467	1.09	(12.9) J	---	12.0
31		22.616	1.07	26.2 J	---	25.3
32		20.067	0.92	6.81 J	---	5.46
33	21/33	---	---	ND	---	17.2
34		---	---	ND	---	3.17
35		26.843	1.06	5.37 BJ	---	3.40
36		---	---	ND	---	2.92
37		---	---	ND	---	7.71
38		---	---	ND	---	2.72
39		---	---	ND	---	3.22
40	40/41/71	---	---	ND	---	11.8
41	40/41/71	---	---	ND	---	11.8
42		---	---	ND	---	6.62
43	43/73	---	---	ND	---	11.6
44	44/47/65	---	---	ND	---	25.0

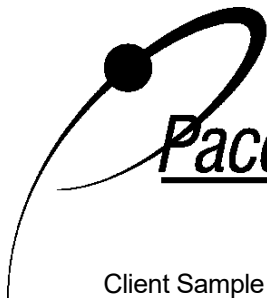
Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

ND = Not Detected
NA = Not Applicable
NC = Not Calculated
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Results reported on a dry weight basis

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-28-30-250206
Lab Sample ID 10723332005
Filename P250428A_12

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	---	---	ND	---	7.24
46		---	---	ND	---	3.31
47	44/47/65	---	---	ND	---	25.0
48		---	---	ND	---	4.14
49	49/69	---	---	ND	---	12.1
50	50/53	---	---	ND	---	6.46
51	45/51	---	---	ND	---	7.24
52		24.939	0.83	24.4 BJ	---	22.7
53	50/53	---	---	ND	---	6.46
54		---	---	ND	---	3.11
55		---	---	ND	---	3.40
56		---	---	ND	---	7.60
57		---	---	ND	---	3.09
58		---	---	ND	---	2.75
59	59/62/75	---	---	ND	---	9.13
60		---	---	ND	---	6.20
61	61/70/74/76	---	---	ND	---	26.3
62	59/62/75	---	---	ND	---	9.13
63		---	---	ND	---	2.69
64		---	---	ND	---	9.46
65	44/47/65	---	---	ND	---	25.0
66		---	---	ND	---	16.2
67		---	---	ND	---	2.81
68		---	---	ND	---	2.54
69	49/69	---	---	ND	---	12.1
70	61/70/74/76	---	---	ND	---	26.3
71	40/41/71	---	---	ND	---	11.8
72		---	---	ND	---	2.54
73	43/73	---	---	ND	---	11.6
74	61/70/74/76	---	---	ND	---	26.3
75	59/62/75	---	---	ND	---	9.13
76	61/70/74/76	---	---	ND	---	26.3
77		---	---	ND	---	3.09
78		---	---	ND	---	2.70
79		---	---	ND	---	2.44
80		---	---	ND	---	2.19
81		---	---	ND	---	2.61
82		---	---	ND	---	7.13
83		---	---	ND	---	3.88
84		---	---	ND	---	4.65
85	85/116/117	---	---	ND	---	9.37
86	86/87/97/108/119/125	---	---	ND	---	18.1
87	86/87/97/108/119/125	---	---	ND	---	18.1
88	88/91	---	---	ND	---	6.25

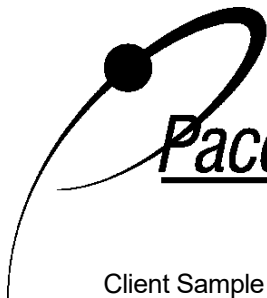
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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-01-28-30-250206
Lab Sample ID 10723332005
Filename P250428A_12

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	3.81
90	90/101/113	---	---	ND	---	11.5
91	88/91	---	---	ND	---	6.25
92		---	---	ND	---	3.62
93	93/98/100/102	---	---	ND	---	13.0
94		---	---	ND	---	3.14
95		---	---	ND	---	14.9
96		---	---	ND	---	3.96
97	86/87/97/108/119/125	---	---	ND	---	18.1
98	93/98/100/102	---	---	ND	---	13.0
99		---	---	ND	---	6.02
100	93/98/100/102	---	---	ND	---	13.0
101	90/101/113	---	---	ND	---	11.5
102	93/98/100/102	---	---	ND	---	13.0
103		---	---	ND	---	3.68
104		---	---	ND	---	2.68
105		---	---	ND	---	4.57
106		---	---	ND	---	2.45
107	107/124	---	---	ND	---	5.19
108	86/87/97/108/119/125	---	---	ND	---	18.1
109		---	---	ND	---	3.19
110	110/115	---	---	ND	---	13.4
111		---	---	ND	---	3.12
112		---	---	ND	---	4.10
113	90/101/113	---	---	ND	---	11.5
114		---	---	ND	---	2.56
115	110/115	---	---	ND	---	13.4
116	85/116/117	---	---	ND	---	9.37
117	85/116/117	---	---	ND	---	9.37
118		---	---	ND	---	7.96
119	86/87/97/108/119/125	---	---	ND	---	18.1
120		---	---	ND	---	3.38
121		---	---	ND	---	3.58
122		---	---	ND	---	2.96
123		---	---	ND	---	3.32
124	107/124	---	---	ND	---	5.19
125	86/87/97/108/119/125	---	---	ND	---	18.1
126		---	---	ND	---	2.95
127		---	---	ND	---	2.68
128	128/166	---	---	ND	---	5.09
129	129/138/163	40.598	1.27	10.5 J	---	10.4
130		---	---	ND	---	3.27
131		---	---	ND	---	3.24
132		37.501	0.89	--- JI	3.56	3.36

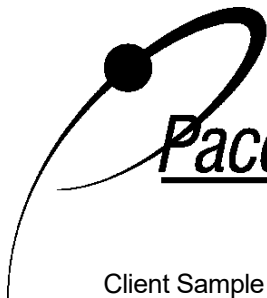
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Results reported on a dry weight basis

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-28-30-250206
Lab Sample ID 10723332005
Filename P250428A_12

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	2.97
134	134/143	---	---	ND	---	5.03
135	135/151	---	---	ND	---	7.30
136		---	---	ND	---	3.79
137		---	---	ND	---	2.84
138	129/138/163	40.598	1.27	(10.5) J	---	10.4
139	139/140	---	---	ND	---	5.13
140	139/140	---	---	ND	---	5.13
141		---	---	ND	---	2.87
142		---	---	ND	---	2.77
143	134/143	---	---	ND	---	5.03
144		---	---	ND	---	3.45
145		---	---	ND	---	3.44
146		---	---	ND	---	3.25
147	147/149	36.201	1.23	9.74 J	---	7.79
148		---	---	ND	---	5.52
149	147/149	36.201	1.23	(9.74) J	---	7.79
150		---	---	ND	---	3.03
151	135/151	---	---	ND	---	7.30
152		---	---	ND	---	3.88
153	153/168	39.315	1.51	--- JI	9.16	6.57
154		---	---	ND	---	3.19
155		---	---	ND	---	2.49
156	156/157	---	---	ND	---	5.07
157	156/157	---	---	ND	---	5.07
158		---	---	ND	---	2.54
159		---	---	ND	---	3.29
160		---	---	ND	---	2.43
161		---	---	ND	---	2.15
162		---	---	ND	---	2.87
163	129/138/163	40.598	1.27	(10.5) J	---	10.4
164		---	---	ND	---	3.25
165		---	---	ND	---	2.64
166	128/166	---	---	ND	---	5.09
167		---	---	ND	---	3.07
168	153/168	39.315	1.51	--- JI	(9.16)	6.57
169		---	---	ND	---	2.72
170		---	---	ND	---	4.09
171	171/173	---	---	ND	---	5.60
172		---	---	ND	---	3.33
173	171/173	---	---	ND	---	5.60
174		---	---	ND	---	4.01
175		---	---	ND	---	2.76
176		---	---	ND	---	3.42

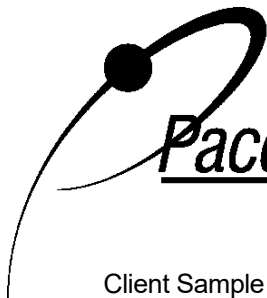
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Results reported on a dry weight basis

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-28-30-250206
Lab Sample ID 10723332005
Filename P250428A_12

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		---	---	ND	---	3.48
178		---	---	ND	---	3.73
179		---	---	ND	---	3.74
180	180/193	---	---	ND	---	7.39
181		---	---	ND	---	3.16
182		---	---	ND	---	3.08
183	183/185	---	---	ND	---	6.08
184		---	---	ND	---	2.78
185	183/185	---	---	ND	---	6.08
186		---	---	ND	---	3.26
187		---	---	ND	---	3.78
188		---	---	ND	---	2.79
189		---	---	ND	---	3.48
190		---	---	ND	---	3.60
191		---	---	ND	---	3.09
192		---	---	ND	---	3.69
193	180/193	---	---	ND	---	7.39
194		---	---	ND	---	3.97
195		---	---	ND	---	4.03
196		---	---	ND	---	3.75
197	197/200	---	---	ND	---	6.45
198	198/199	---	---	ND	---	6.63
199	198/199	---	---	ND	---	6.63
200	197/200	---	---	ND	---	6.45
201		---	---	ND	---	2.87
202		---	---	ND	---	2.59
203		---	---	ND	---	3.72
204		---	---	ND	---	2.69
205		---	---	ND	---	2.85
206		---	---	ND	---	4.16
207		---	---	ND	---	3.53
208		---	---	ND	---	2.79
209		---	---	ND	---	3.68

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
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Results reported on a dry weight basis

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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-01-28-30-250206
Lab Sample ID 10723332005
Filename P250428A_12

Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	261
Total Trichloro Biphenyls	97.7
Total Tetrachloro Biphenyls	24.4
Total Pentachloro Biphenyls	ND
Total Hexachloro Biphenyls	20.2
Total Heptachloro Biphenyls	ND
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	403

ND = Not Detected

Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-01-32-34-250206		
Lab Sample ID	10723332006		
Filename	P250412A_05		
Injected By	JRH		
Total Amount Extracted	11.7 g	Matrix	SOLID
% Moisture	32.8	Dilution	NA
Dry Weight Extracted	7.84 g	Collected	02/06/2025 13:30
ICAL ID	P250412A02	Received	02/10/2025 08:50
CCal Filename(s)	P250412A_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/12/2025 13:51

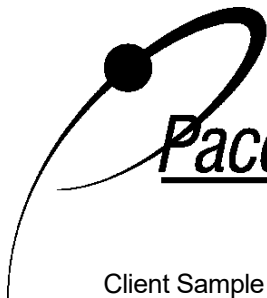
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.836	2.75	2.0	1.26	63
13C-4-MoCB	3	12.719	2.70	2.0	1.30	65
13C-2,2'-DiCB	4	13.030	1.54	2.0	0.981	49
13C-4,4'-DiCB	15	20.237	1.67	2.0	1.44	72
13C-2,2',6-TrCB	19	16.933	1.08	2.0	1.15	57
13C-3,4,4'-TrCB	37	28.085	1.10	2.0	1.75	87
13C-2,2',6,6'-TeCB	54	20.584	0.79	2.0	1.30	65
13C-3,4,4',5-TeCB	81	35.252	0.82	2.0	1.81	91
13C-3,3',4,4'-TeCB	77	35.833	0.82	2.0	1.94	97
13C-2,2',4,6,6'-PeCB	104	26.762	1.58	2.0	1.16	58
13C-2,3,3',4,4'-PeCB	105	39.468	1.62	2.0	1.67	84
13C-2,3,4,4',5-PeCB	114	38.801	1.60	2.0	1.70	85
13C-2,3',4,4',5-PeCB	118	38.253	1.59	2.0	1.68	84
13C-2,3',4,4',5'-PeCB	123	37.911	1.58	2.0	1.68	84
13C-3,3',4,4',5-PeCB	126	42.633	1.61	2.0	1.81	91
13C-2,2',4,4',6,6'-HxCB	155	32.849	1.28	2.0	1.27	63
13C-HxCB (156/157)	156/157	45.734	1.25	4.0	3.43	86
13C-2,3',4,4',5,5'-HxCB	167	44.554	1.26	2.0	1.66	83
13C-3,3',4,4',5,5'-HxCB	169	49.036	1.25	2.0	1.78	89
13C-2,2',3,4',5,6,6'-HpCB	188	38.784	1.04	2.0	1.18	59
13C-2,3,3',4,4',5,5'-HpCB	189	51.615	1.05	2.0	1.53	77
13C-2,2',3,3',5,5',6,6'-OxCB	202	44.297	0.90	2.0	1.23	62
13C-2,3,3',4,4',5,5',6-OxCB	205	54.214	0.87	2.0	1.42	71
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.969	0.83	2.0	1.38	69
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.104	0.80	2.0	1.37	68
13C-DeCB	209	57.591	0.73	2.0	1.29	65
CleanupStandards						
13C-2,4,4'-TrCB	28	23.681	1.08	2.0	1.60	80
13C-2,3,3',5,5'-PeCB	111	35.866	1.57	2.0	1.46	73
13C-2,2',3,3',5,5',6-HpCB	178	41.915	1.05	2.0	1.37	68
Recovery Standards						
13C-2,5-DiCB	9	15.586	1.61	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.698	0.78	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.059	1.62	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.452	1.30	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.748	0.90	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
Results reported on a dry weight basis

* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference
ng's = Nanograms

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-32-34-250206
Lab Sample ID 10723332006
Filename P250412A_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	5.41
2		---	---	ND	---	7.55
3		---	---	ND	---	9.67
4		---	---	ND A	---	12.3
5		---	---	ND	---	4.07
6		16.090	1.56	4.38 J	---	3.81
7		---	---	ND	---	3.55
8		16.594	1.61	10.6 BJ	---	8.74
9		---	---	ND	---	4.18
10		---	---	ND A	---	5.16
11		19.534	1.58	215 BJ	---	140
12	12/13	---	---	ND	---	7.54
13	12/13	---	---	ND	---	7.54
14		---	---	ND	---	3.79
15		---	---	ND	---	7.45
16		20.190	1.02	8.61 J	---	7.90
17		19.674	1.00	7.79 J	---	7.67
18	18/30	19.182	1.01	17.2 J	---	16.5
19		---	---	ND	---	5.04
20	20/28	---	---	ND	---	41.5
21	21/33	---	---	ND	---	23.6
22		---	---	ND	---	19.9
23		---	---	ND	---	4.30
24		---	---	ND	---	4.54
25		---	---	ND	---	4.71
26	26/29	---	---	ND	---	9.34
27		---	---	ND	---	5.22
28	20/28	---	---	ND	---	41.5
29	26/29	---	---	ND	---	9.34
30	18/30	19.182	1.01	(17.2) J	---	16.5
31		---	---	ND	---	34.8
32		---	---	ND	---	7.51
33	21/33	---	---	ND	---	23.6
34		---	---	ND	---	4.36
35		---	---	ND	---	4.68
36		---	---	ND	---	4.02
37		---	---	ND	---	10.6
38		---	---	ND	---	3.74
39		---	---	ND	---	4.43
40	40/41/71	---	---	ND	---	16.2
41	40/41/71	---	---	ND	---	16.2
42		27.391	0.80	10.4 J	---	9.11
43	43/73	---	---	ND	---	15.9
44	44/47/65	---	---	ND	---	34.4

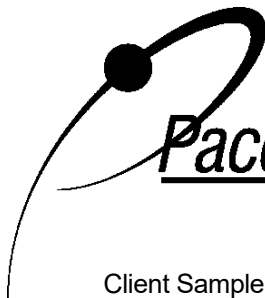
Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

ND = Not Detected
NA = Not Applicable
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Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-32-34-250206
Lab Sample ID 10723332006
Filename P250412A_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	---	---	ND	---	9.95
46		---	---	ND A	---	5.28
47	44/47/65	---	---	ND	---	34.4
48		---	---	ND	---	5.69
49	49/69	---	---	ND	---	16.6
50	50/53	---	---	ND	---	8.88
51	45/51	---	---	ND	---	9.95
52		---	---	ND	---	31.3
53	50/53	---	---	ND	---	8.88
54		---	---	ND	---	4.27
55		---	---	ND	---	4.68
56		---	---	ND	---	10.4
57		---	---	ND	---	4.25
58		---	---	ND	---	3.79
59	59/62/75	---	---	ND	---	12.6
60		---	---	ND	---	8.52
61	61/70/74/76	---	---	ND	---	36.2
62	59/62/75	---	---	ND	---	12.6
63		---	---	ND	---	3.70
64		---	---	ND	---	13.0
65	44/47/65	---	---	ND	---	34.4
66		---	---	ND	---	22.3
67		---	---	ND	---	3.87
68		---	---	ND	---	3.50
69	49/69	---	---	ND	---	16.6
70	61/70/74/76	---	---	ND	---	36.2
71	40/41/71	---	---	ND	---	16.2
72		---	---	ND	---	3.50
73	43/73	---	---	ND	---	15.9
74	61/70/74/76	---	---	ND	---	36.2
75	59/62/75	---	---	ND	---	12.6
76	61/70/74/76	---	---	ND	---	36.2
77		---	---	ND	---	4.25
78		---	---	ND	---	3.71
79		---	---	ND	---	3.36
80		---	---	ND	---	3.01
81		---	---	ND	---	3.59
82		---	---	ND	---	9.81
83		---	---	ND	---	5.33
84		---	---	ND	---	6.39
85	85/116/117	---	---	ND	---	12.9
86	86/87/97/108/119/125	---	---	ND	---	24.9
87	86/87/97/108/119/125	---	---	ND	---	24.9
88	88/91	---	---	ND	---	8.60

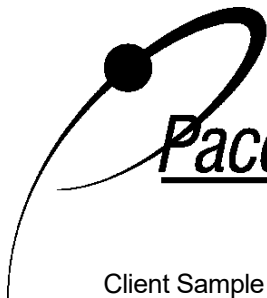
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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-01-32-34-250206
Lab Sample ID 10723332006
Filename P250412A_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	5.24
90	90/101/113	---	---	ND	---	15.8
91	88/91	---	---	ND	---	8.60
92		---	---	ND	---	4.98
93	93/98/100/102	---	---	ND	---	17.9
94		---	---	ND	---	4.31
95		---	---	ND	---	20.5
96		---	---	ND A	---	5.66
97	86/87/97/108/119/125	---	---	ND	---	24.9
98	93/98/100/102	---	---	ND	---	17.9
99		---	---	ND	---	8.28
100	93/98/100/102	---	---	ND	---	17.9
101	90/101/113	---	---	ND	---	15.8
102	93/98/100/102	---	---	ND	---	17.9
103		---	---	ND	---	5.07
104		---	---	ND A	---	5.48
105		---	---	ND	---	6.29
106		---	---	ND	---	3.37
107	107/124	---	---	ND	---	7.14
108	86/87/97/108/119/125	---	---	ND	---	24.9
109		---	---	ND	---	4.39
110	110/115	---	---	ND	---	18.4
111		---	---	ND	---	4.29
112		---	---	ND	---	5.64
113	90/101/113	---	---	ND	---	15.8
114		---	---	ND	---	3.52
115	110/115	---	---	ND	---	18.4
116	85/116/117	---	---	ND	---	12.9
117	85/116/117	---	---	ND	---	12.9
118		---	---	ND	---	10.9
119	86/87/97/108/119/125	---	---	ND	---	24.9
120		---	---	ND	---	4.64
121		---	---	ND	---	4.92
122		---	---	ND	---	4.07
123		---	---	ND	---	4.57
124	107/124	---	---	ND	---	7.14
125	86/87/97/108/119/125	---	---	ND	---	24.9
126		---	---	ND	---	4.06
127		---	---	ND	---	3.69
128	128/166	---	---	ND	---	7.00
129	129/138/163	---	---	ND	---	14.3
130		---	---	ND	---	4.49
131		---	---	ND	---	4.45
132		38.390	1.30	6.45 J	---	4.62

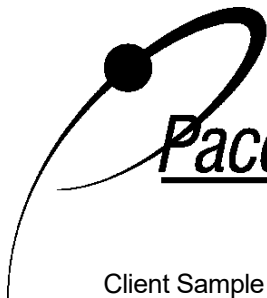
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-32-34-250206
Lab Sample ID 10723332006
Filename P250412A_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	4.08
134	134/143	---	---	ND	---	6.92
135	135/151	---	---	ND	---	10.0
136		---	---	ND	---	5.22
137		---	---	ND	---	3.90
138	129/138/163	---	---	ND	---	14.3
139	139/140	---	---	ND	---	7.06
140	139/140	---	---	ND	---	7.06
141		---	---	ND	---	3.94
142		---	---	ND A	---	3.97
143	134/143	---	---	ND	---	6.92
144		---	---	ND	---	4.75
145		---	---	ND	---	4.73
146		---	---	ND	---	4.47
147	147/149	---	---	ND	---	10.7
148		---	---	ND	---	7.59
149	147/149	---	---	ND	---	10.7
150		---	---	ND	---	4.17
151	135/151	---	---	ND	---	10.0
152		---	---	ND	---	5.33
153	153/168	---	---	ND	---	9.03
154		---	---	ND	---	4.39
155		---	---	ND	---	3.42
156	156/157	---	---	ND	---	6.98
157	156/157	---	---	ND	---	6.98
158		---	---	ND	---	3.50
159		---	---	ND	---	4.53
160		---	---	ND	---	3.34
161		---	---	ND	---	2.96
162		---	---	ND	---	3.94
163	129/138/163	---	---	ND	---	14.3
164		---	---	ND	---	4.47
165		---	---	ND	---	3.64
166	128/166	---	---	ND	---	7.00
167		---	---	ND	---	4.22
168	153/168	---	---	ND	---	9.03
169		---	---	ND	---	3.74
170		---	---	ND	---	5.63
171	171/173	---	---	ND	---	7.71
172		---	---	ND	---	4.58
173	171/173	---	---	ND	---	7.71
174		---	---	ND	---	5.51
175		---	---	ND A	---	4.90
176		---	---	ND	---	4.71

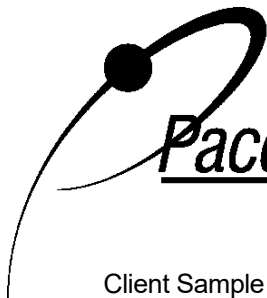
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-32-34-250206
Lab Sample ID 10723332006
Filename P250412A_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		---	---	ND	---	4.78
178		---	---	ND A	---	5.22
179		---	---	ND	---	5.14
180	180/193	---	---	ND	---	10.2
181		---	---	ND	---	4.35
182		---	---	ND A	---	4.27
183	183/185	---	---	ND	---	8.36
184		39.708	0.97	3.90 J	---	3.83
185	183/185	---	---	ND	---	8.36
186		---	---	ND	---	4.48
187		---	---	ND	---	5.19
188		---	---	ND	---	3.84
189		---	---	ND	---	4.78
190		---	---	ND	---	4.95
191		---	---	ND	---	4.25
192		---	---	ND	---	5.08
193	180/193	---	---	ND	---	10.2
194		---	---	ND	---	5.46
195		---	---	ND	---	5.54
196		---	---	ND	---	5.15
197	197/200	---	---	ND	---	8.87
198	198/199	---	---	ND	---	9.12
199	198/199	---	---	ND	---	9.12
200	197/200	---	---	ND	---	8.87
201		---	---	ND	---	3.94
202		---	---	ND	---	3.56
203		---	---	ND	---	5.12
204		---	---	ND	---	3.70
205		---	---	ND	---	3.92
206		---	---	ND A	---	7.55
207		---	---	ND	---	4.86
208		---	---	ND A	---	4.56
209		---	---	ND A	---	5.52

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
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Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-01-32-34-250206
Lab Sample ID 10723332006
Filename P250412A_05

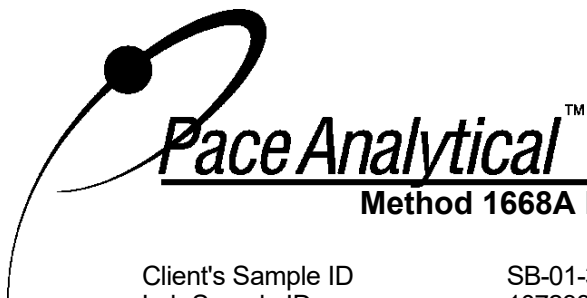
Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	230
Total Trichloro Biphenyls	33.6
Total Tetrachloro Biphenyls	10.4
Total Pentachloro Biphenyls	ND
Total Hexachloro Biphenyls	6.45
Total Heptachloro Biphenyls	3.90
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	285

ND = Not Detected

Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-01-30-32-250206		
Lab Sample ID	10723332007		
Filename	P250411A_10		
Injected By	AH5		
Total Amount Extracted	16.7 g	Matrix	SOLID
% Moisture	36.6	Dilution	NA
Dry Weight Extracted	10.6 g	Collected	02/06/2025 13:50
ICAL ID	P250411A02	Received	02/10/2025 08:50
CCal Filename(s)	P250411A_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/11/2025 15:47

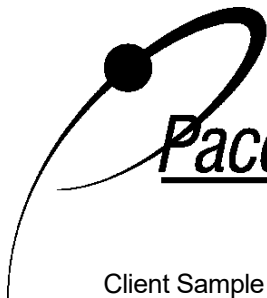
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.824	3.32	2.0	1.07	53
13C-4-MoCB	3	12.696	3.00	2.0	1.21	61
13C-2,2'-DiCB	4	13.007	1.62	2.0	1.11	56
13C-4,4'-DiCB	15	20.202	1.64	2.0	1.46	73
13C-2,2',6-TrCB	19	16.899	1.06	2.0	1.24	62
13C-3,4,4'-TrCB	37	28.052	1.09	2.0	1.55	77
13C-2,2',6,6'-TeCB	54	20.552	0.80	2.0	1.22	61
13C-3,4,4',5-TeCB	81	35.220	0.78	2.0	1.64	82
13C-3,3',4,4'-TeCB	77	35.800	0.81	2.0	1.77	88
13C-2,2',4,6,6'-PeCB	104	26.730	1.55	2.0	1.41	70
13C-2,3,3',4,4'-PeCB	105	39.433	1.57	2.0	1.68	84
13C-2,3,4,4',5-PeCB	114	38.765	1.58	2.0	1.68	84
13C-2,3',4,4',5-PeCB	118	38.218	1.62	2.0	1.64	82
13C-2,3',4,4',5'-PeCB	123	37.876	1.63	2.0	1.66	83
13C-3,3',4,4',5-PeCB	126	42.598	1.58	2.0	1.78	89
13C-2,2',4,4',6,6'-HxCB	155	32.816	1.25	2.0	1.43	72
13C-HxCB (156/157)	156/157	45.699	1.28	4.0	3.21	80
13C-2,3',4,4',5,5'-HxCB	167	44.519	1.31	2.0	1.60	80
13C-3,3',4,4',5,5'-HxCB	169	49.001	1.27	2.0	1.71	86
13C-2,2',3,4',5,6,6'-HpCB	188	38.749	1.07	2.0	1.43	71
13C-2,3,3',4,4',5,5'-HpCB	189	51.569	1.05	2.0	1.61	81
13C-2,2',3,3',5,5',6,6'-OxCB	202	44.262	0.89	2.0	1.42	71
13C-2,3,3',4,4',5,5',6-OxCB	205	54.191	0.92	2.0	1.50	75
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.946	0.83	2.0	1.49	75
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.058	0.79	2.0	1.50	75
13C-DeCB	209	57.545	0.70	2.0	1.51	76
CleanupStandards						
13C-2,4,4'-TrCB	28	23.649	1.08	2.0	1.41	71
13C-2,3,3',5,5'-PeCB	111	35.832	1.63	2.0	1.52	76
13C-2,2',3,3',5,5',6-HpCB	178	41.879	1.07	2.0	1.56	78
Recovery Standards						
13C-2,5-DiCB	9	15.528	1.58	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.681	0.78	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.026	1.57	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.417	1.31	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.702	0.92	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
Results reported on a dry weight basis

* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference
ng's = Nanograms

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-30-32-250206
Lab Sample ID 10723332007
Filename P250411A_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	4.00
2		---	---	ND	---	5.59
3		---	---	ND	---	7.15
4		13.031	1.37	4.97 J	---	4.34
5		---	---	ND	---	3.01
6		---	---	ND	---	2.82
7		---	---	ND	---	2.62
8		16.559	1.72	8.49 BJ	---	6.46
9		---	---	ND	---	3.10
10		---	---	ND	---	3.64
11		19.511	1.53	167 BJ	---	104
12	12/13	---	---	ND	---	5.58
13	12/13	---	---	ND	---	5.58
14		---	---	ND	---	2.80
15		---	---	ND	---	5.51
16		---	---	ND	---	5.84
17		19.651	1.07	6.65 J	---	5.67
18	18/30	---	---	ND	---	12.2
19		---	---	ND	---	3.73
20	20/28	---	---	ND	---	30.7
21	21/33	---	---	ND	---	17.5
22		---	---	ND	---	14.7
23		---	---	ND	---	3.18
24		---	---	ND	---	3.36
25		---	---	ND	---	3.48
26	26/29	---	---	ND	---	6.91
27		---	---	ND	---	3.86
28	20/28	---	---	ND	---	30.7
29	26/29	---	---	ND	---	6.91
30	18/30	---	---	ND	---	12.2
31		---	---	ND	---	25.8
32		---	---	ND	---	5.56
33	21/33	---	---	ND	---	17.5
34		---	---	ND	---	3.23
35		27.633	1.06	3.71 BJ	---	3.46
36		---	---	ND	---	2.97
37		---	---	ND	---	7.84
38		---	---	ND	---	2.77
39		---	---	ND	---	3.27
40	40/41/71	---	---	ND	---	12.0
41	40/41/71	---	---	ND	---	12.0
42		---	---	ND	---	6.74
43	43/73	---	---	ND	---	11.8
44	44/47/65	---	---	ND	---	25.5

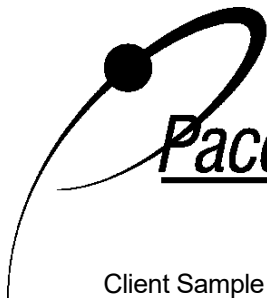
Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
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Results reported on a dry weight basis

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-30-32-250206
Lab Sample ID 10723332007
Filename P250411A_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	---	---	ND	---	7.36
46		---	---	ND	---	3.37
47	44/47/65	---	---	ND	---	25.5
48		---	---	ND	---	4.21
49	49/69	---	---	ND	---	12.3
50	50/53	---	---	ND	---	6.57
51	45/51	---	---	ND	---	7.36
52		---	---	ND	---	23.1
53	50/53	---	---	ND	---	6.57
54		---	---	ND	---	3.16
55		---	---	ND	---	3.46
56		---	---	ND	---	7.73
57		---	---	ND	---	3.14
58		---	---	ND	---	2.80
59	59/62/75	---	---	ND	---	9.29
60		---	---	ND	---	6.30
61	61/70/74/76	---	---	ND	---	26.8
62	59/62/75	---	---	ND	---	9.29
63		---	---	ND	---	2.74
64		---	---	ND	---	9.63
65	44/47/65	---	---	ND	---	25.5
66		---	---	ND	---	16.5
67		---	---	ND	---	2.86
68		---	---	ND	---	2.59
69	49/69	---	---	ND	---	12.3
70	61/70/74/76	---	---	ND	---	26.8
71	40/41/71	---	---	ND	---	12.0
72		---	---	ND	---	2.59
73	43/73	---	---	ND	---	11.8
74	61/70/74/76	---	---	ND	---	26.8
75	59/62/75	---	---	ND	---	9.29
76	61/70/74/76	---	---	ND	---	26.8
77		---	---	ND	---	3.14
78		---	---	ND	---	2.75
79		---	---	ND	---	2.48
80		---	---	ND	---	2.23
81		---	---	ND	---	2.65
82		---	---	ND	---	7.26
83		---	---	ND	---	3.94
84		---	---	ND	---	4.73
85	85/116/117	---	---	ND	---	9.53
86	86/87/97/108/119/125	---	---	ND	---	18.4
87	86/87/97/108/119/125	---	---	ND	---	18.4
88	88/91	---	---	ND	---	6.36

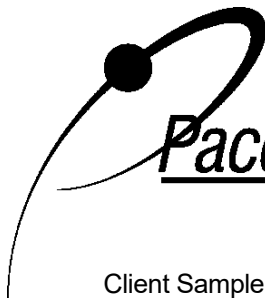
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-30-32-250206
Lab Sample ID 10723332007
Filename P250411A_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	3.88
90	90/101/113	---	---	ND	---	11.7
91	88/91	---	---	ND	---	6.36
92		---	---	ND	---	3.68
93	93/98/100/102	---	---	ND	---	13.2
94		---	---	ND	---	3.19
95		---	---	ND	---	15.2
96		---	---	ND	---	4.03
97	86/87/97/108/119/125	---	---	ND	---	18.4
98	93/98/100/102	---	---	ND	---	13.2
99		---	---	ND	---	6.12
100	93/98/100/102	---	---	ND	---	13.2
101	90/101/113	---	---	ND	---	11.7
102	93/98/100/102	---	---	ND	---	13.2
103		---	---	ND	---	3.75
104		---	---	ND	---	2.73
105		---	---	ND	---	4.65
106		---	---	ND	---	2.49
107	107/124	---	---	ND	---	5.28
108	86/87/97/108/119/125	---	---	ND	---	18.4
109		---	---	ND	---	3.25
110	110/115	---	---	ND	---	13.6
111		---	---	ND	---	3.17
112		---	---	ND	---	4.17
113	90/101/113	---	---	ND	---	11.7
114		---	---	ND	---	2.60
115	110/115	---	---	ND	---	13.6
116	85/116/117	---	---	ND	---	9.53
117	85/116/117	---	---	ND	---	9.53
118		---	---	ND	---	8.10
119	86/87/97/108/119/125	---	---	ND	---	18.4
120		---	---	ND	---	3.44
121		---	---	ND	---	3.64
122		---	---	ND	---	3.01
123		---	---	ND	---	3.38
124	107/124	---	---	ND	---	5.28
125	86/87/97/108/119/125	---	---	ND	---	18.4
126		---	---	ND	---	3.00
127		---	---	ND	---	2.73
128	128/166	---	---	ND	---	5.18
129	129/138/163	---	---	ND	---	10.6
130		---	---	ND	---	3.32
131		---	---	ND	---	3.29
132		---	---	ND	---	3.42

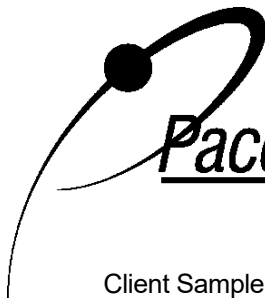
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-30-32-250206
Lab Sample ID 10723332007
Filename P250411A_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	3.02
134	134/143	---	---	ND	---	5.12
135	135/151	---	---	ND	---	7.43
136		---	---	ND	---	3.86
137		---	---	ND	---	2.89
138	129/138/163	---	---	ND	---	10.6
139	139/140	---	---	ND	---	5.22
140	139/140	---	---	ND	---	5.22
141		---	---	ND	---	2.92
142		---	---	ND	---	2.82
143	134/143	---	---	ND	---	5.12
144		---	---	ND	---	3.51
145		---	---	ND	---	3.50
146		---	---	ND	---	3.30
147	147/149	37.038	1.22	8.81 J	---	7.93
148		---	---	ND	---	5.62
149	147/149	37.038	1.22	(8.81) J	---	7.93
150		---	---	ND	---	3.09
151	135/151	---	---	ND	---	7.43
152		---	---	ND	---	3.94
153	153/168	---	---	ND	---	6.68
154		---	---	ND	---	3.25
155		32.848	1.17	2.99 J	---	2.53
156	156/157	---	---	ND	---	5.16
157	156/157	---	---	ND	---	5.16
158		---	---	ND	---	2.59
159		---	---	ND	---	3.35
160		---	---	ND	---	2.47
161		---	---	ND	---	2.19
162		---	---	ND	---	2.92
163	129/138/163	---	---	ND	---	10.6
164		---	---	ND	---	3.30
165		---	---	ND	---	2.69
166	128/166	---	---	ND	---	5.18
167		---	---	ND	---	3.12
168	153/168	---	---	ND	---	6.68
169		---	---	ND	---	2.77
170		---	---	ND	---	4.16
171	171/173	---	---	ND	---	5.70
172		---	---	ND	---	3.39
173	171/173	---	---	ND	---	5.70
174		---	---	ND	---	4.08
175		---	---	ND	---	2.81
176		---	---	ND	---	3.48

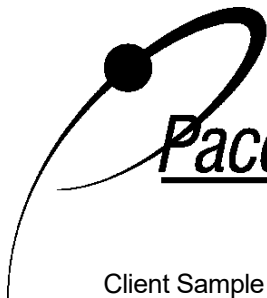
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-30-32-250206
Lab Sample ID 10723332007
Filename P250411A_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		---	---	ND	---	3.54
178		---	---	ND	---	3.79
179		---	---	ND	---	3.80
180	180/193	---	---	ND	---	7.52
181		---	---	ND	---	3.22
182		---	---	ND	---	3.13
183	183/185	---	---	ND	---	6.18
184		---	---	ND	---	2.83
185	183/185	---	---	ND	---	6.18
186		---	---	ND	---	3.31
187		---	---	ND	---	3.84
188		---	---	ND	---	2.84
189		---	---	ND	---	3.54
190		---	---	ND	---	3.66
191		---	---	ND	---	3.14
192		---	---	ND	---	3.76
193	180/193	---	---	ND	---	7.52
194		---	---	ND	---	4.04
195		---	---	ND	---	4.10
196		---	---	ND	---	3.81
197	197/200	---	---	ND	---	6.56
198	198/199	---	---	ND	---	6.75
199	198/199	---	---	ND	---	6.75
200	197/200	---	---	ND	---	6.56
201		---	---	ND	---	2.92
202		---	---	ND	---	2.63
203		---	---	ND	---	3.78
204		---	---	ND	---	2.74
205		---	---	ND	---	2.90
206		---	---	ND	---	4.23
207		---	---	ND	---	3.60
208		---	---	ND	---	2.84
209		---	---	ND	---	3.75

Conc = Concentration
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-30-32-250206
Lab Sample ID 10723332007
Filename P250411A_10

Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	181
Total Trichloro Biphenyls	10.4
Total Tetrachloro Biphenyls	ND
Total Pentachloro Biphenyls	ND
Total Hexachloro Biphenyls	11.8
Total Heptachloro Biphenyls	ND
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	203

ND = Not Detected

Results reported on a dry weight basis

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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-01-FD-250206		
Lab Sample ID	10723332008		
Filename	P250411A_11		
Injected By	AH5		
Total Amount Extracted	16.3 g	Matrix	SOLID
% Moisture	33.8	Dilution	NA
Dry Weight Extracted	10.8 g	Collected	02/06/2025 13:55
ICAL ID	P250411A02	Received	02/10/2025 08:50
CCal Filename(s)	P250411A_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/11/2025 16:49

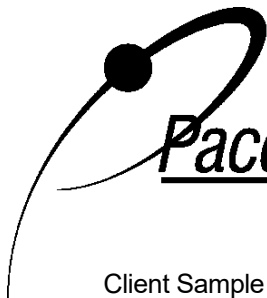
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.800	3.39	2.0	1.28	64
13C-4-MoCB	3	12.683	3.23	2.0	1.34	67
13C-2,2'-DiCB	4	12.994	1.60	2.0	1.25	63
13C-4,4'-DiCB	15	20.189	1.67	2.0	1.54	77
13C-2,2',6-TrCB	19	16.886	1.03	2.0	1.31	66
13C-3,4,4'-TrCB	37	28.036	1.12	2.0	1.66	83
13C-2,2',6,6'-TeCB	54	20.535	0.79	2.0	1.34	67
13C-3,4,4',5-TeCB	81	35.203	0.82	2.0	1.76	88
13C-3,3',4,4'-TeCB	77	35.800	0.81	2.0	1.71	85
13C-2,2',4,6,6'-PeCB	104	26.713	1.55	2.0	1.46	73
13C-2,3,3',4,4'-PeCB	105	39.433	1.60	2.0	1.71	85
13C-2,3,4,4',5-PeCB	114	38.766	1.58	2.0	1.61	80
13C-2,3',4,4',5-PeCB	118	38.218	1.61	2.0	1.62	81
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13C-HxCB (156/157)	156/157	45.699	1.28	4.0	3.16	79
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13C-2,4,4'-TrCB	28	23.648	1.06	2.0	1.52	76
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Recovery Standards						
13C-2,5-DiCB	9	15.516	1.57	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.664	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.026	1.61	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.417	1.26	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.702	0.91	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
Results reported on a dry weight basis

* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference
ng's = Nanograms

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-FD-250206
Lab Sample ID 10723332008
Filename P250411A_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	3.93
2		---	---	ND	---	5.48
3		---	---	ND	---	7.02
4		---	---	ND	---	4.26
5		---	---	ND	---	2.95
6		---	---	ND	---	2.77
7		---	---	ND	---	2.57
8		16.558	1.67	8.86 BJ	---	6.34
9		---	---	ND	---	3.04
10		---	---	ND	---	3.58
11		19.498	1.57	266 B	---	102
12	12/13	---	---	ND	---	5.47
13	12/13	---	---	ND	---	5.47
14		---	---	ND	---	2.75
15		20.213	1.41	7.68 J	---	5.41
16		20.154	1.02	6.08 J	---	5.73
17		19.639	1.07	5.90 J	---	5.57
18	18/30	---	---	ND	---	11.9
19		---	---	ND	---	3.66
20	20/28	23.681	1.10	33.2 J	---	30.1
21	21/33	23.939	1.08	17.5 J	---	17.1
22		---	---	ND	---	14.4
23		---	---	ND	---	3.12
24		---	---	ND	---	3.30
25		---	---	ND	---	3.42
26	26/29	---	---	ND	---	6.78
27		---	---	ND	---	3.79
28	20/28	23.681	1.10	(33.2) J	---	30.1
29	26/29	---	---	ND	---	6.78
30	18/30	---	---	ND	---	11.9
31		---	---	ND	---	25.3
32		20.777	1.05	5.95 J	---	5.46
33	21/33	23.939	1.08	(17.5) J	---	17.1
34		---	---	ND	---	3.17
35		27.616	1.10	5.67 BJ	---	3.40
36		26.100	1.08	3.22 J	---	2.92
37		28.068	0.90	9.41 BJ	---	7.70
38		---	---	ND	---	2.71
39		---	---	ND	---	3.21
40	40/41/71	---	---	ND	---	11.8
41	40/41/71	---	---	ND	---	11.8
42		---	---	ND	---	6.61
43	43/73	---	---	ND	---	11.6
44	44/47/65	26.810	0.79	26.1 BJ	---	25.0

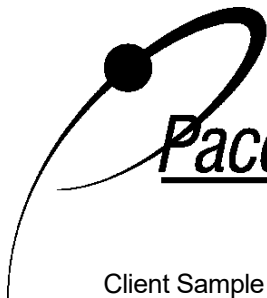
Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
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Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-01-FD-250206
Lab Sample ID 10723332008
Filename P250411A_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	---	---	ND	---	7.22
46		---	---	ND	---	3.31
47	44/47/65	26.810	0.79	(26.1) BJ	---	25.0
48		---	---	ND	---	4.13
49	49/69	---	---	ND	---	12.0
50	50/53	---	---	ND	---	6.45
51	45/51	---	---	ND	---	7.22
52		25.697	0.79	30.9 BJ	---	22.7
53	50/53	---	---	ND	---	6.45
54		---	---	ND	---	3.10
55		---	---	ND	---	3.40
56		31.929	0.77	8.26 BJ	---	7.59
57		---	---	ND	---	3.08
58		---	---	ND	---	2.75
59	59/62/75	---	---	ND	---	9.11
60		---	---	ND	---	6.19
61	61/70/74/76	---	---	ND	---	26.3
62	59/62/75	---	---	ND	---	9.11
63		---	---	ND	---	2.69
64		---	---	ND	---	9.45
65	44/47/65	26.810	0.79	(26.1) BJ	---	25.0
66		---	---	ND	---	16.2
67		---	---	ND	---	2.81
68		---	---	ND	---	2.54
69	49/69	---	---	ND	---	12.0
70	61/70/74/76	---	---	ND	---	26.3
71	40/41/71	---	---	ND	---	11.8
72		---	---	ND	---	2.54
73	43/73	---	---	ND	---	11.6
74	61/70/74/76	---	---	ND	---	26.3
75	59/62/75	---	---	ND	---	9.11
76	61/70/74/76	---	---	ND	---	26.3
77		---	---	ND	---	3.08
78		---	---	ND	---	2.70
79		---	---	ND	---	2.44
80		---	---	ND	---	2.19
81		---	---	ND	---	2.60
82		---	---	ND	---	7.12
83		---	---	ND	---	3.87
84		---	---	ND	---	4.64
85	85/116/117	---	---	ND	---	9.36
86	86/87/97/108/119/125	---	---	ND	---	18.1
87	86/87/97/108/119/125	---	---	ND	---	18.1
88	88/91	---	---	ND	---	6.24

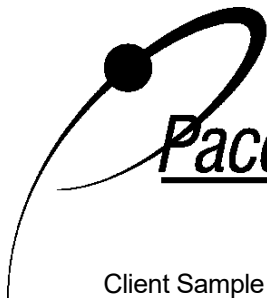
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Results reported on a dry weight basis

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-FD-250206
Lab Sample ID 10723332008
Filename P250411A_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	3.81
90	90/101/113	---	---	ND	---	11.5
91	88/91	---	---	ND	---	6.24
92		---	---	ND	---	3.61
93	93/98/100/102	---	---	ND	---	13.0
94		---	---	ND	---	3.13
95		---	---	ND	---	14.9
96		---	---	ND	---	3.96
97	86/87/97/108/119/125	---	---	ND	---	18.1
98	93/98/100/102	---	---	ND	---	13.0
99		---	---	ND	---	6.01
100	93/98/100/102	---	---	ND	---	13.0
101	90/101/113	---	---	ND	---	11.5
102	93/98/100/102	---	---	ND	---	13.0
103		---	---	ND	---	3.68
104		---	---	ND	---	2.68
105		39.450	1.75	4.64 J	---	4.57
106		---	---	ND	---	2.45
107	107/124	---	---	ND	---	5.19
108	86/87/97/108/119/125	---	---	ND	---	18.1
109		---	---	ND	---	3.19
110	110/115	---	---	ND	---	13.3
111		---	---	ND	---	3.11
112		---	---	ND	---	4.09
113	90/101/113	---	---	ND	---	11.5
114		---	---	ND	---	2.56
115	110/115	---	---	ND	---	13.3
116	85/116/117	---	---	ND	---	9.36
117	85/116/117	---	---	ND	---	9.36
118		38.235	1.38	8.21 BJ	---	7.95
119	86/87/97/108/119/125	---	---	ND	---	18.1
120		---	---	ND	---	3.37
121		---	---	ND	---	3.58
122		---	---	ND	---	2.95
123		---	---	ND	---	3.32
124	107/124	---	---	ND	---	5.19
125	86/87/97/108/119/125	---	---	ND	---	18.1
126		---	---	ND	---	2.95
127		---	---	ND	---	2.68
128	128/166	---	---	ND	---	5.09
129	129/138/163	41.451	1.38	10.8 J	---	10.4
130		---	---	ND	---	3.26
131		---	---	ND	---	3.23
132		38.338	1.32	3.84 J	---	3.35

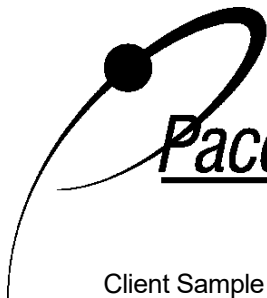
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-FD-250206
Lab Sample ID 10723332008
Filename P250411A_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	2.96
134	134/143	---	---	ND	---	5.02
135	135/151	---	---	ND	---	7.29
136		---	---	ND	---	3.79
137		---	---	ND	---	2.83
138	129/138/163	41.451	1.38	(10.8) J	---	10.4
139	139/140	---	---	ND	---	5.12
140	139/140	---	---	ND	---	5.12
141		---	---	ND	---	2.86
142		---	---	ND	---	2.77
143	134/143	---	---	ND	---	5.02
144		---	---	ND	---	3.45
145		---	---	ND	---	3.44
146		---	---	ND	---	3.24
147	147/149	---	---	ND	---	7.78
148		---	---	ND	---	5.51
149	147/149	---	---	ND	---	7.78
150		---	---	ND	---	3.03
151	135/151	---	---	ND	---	7.29
152		---	---	ND	---	3.87
153	153/168	40.168	1.27	7.50 J	---	6.56
154		---	---	ND	---	3.19
155		32.848	1.15	3.20 J	---	2.48
156	156/157	---	---	ND	---	5.07
157	156/157	---	---	ND	---	5.07
158		---	---	ND	---	2.54
159		---	---	ND	---	3.29
160		---	---	ND	---	2.43
161		---	---	ND	---	2.15
162		---	---	ND	---	2.86
163	129/138/163	41.451	1.38	(10.8) J	---	10.4
164		---	---	ND	---	3.24
165		---	---	ND	---	2.64
166	128/166	---	---	ND	---	5.09
167		---	---	ND	---	3.07
168	153/168	40.168	1.27	(7.50) J	---	6.56
169		---	---	ND	---	2.71
170		---	---	ND	---	4.08
171	171/173	---	---	ND	---	5.59
172		---	---	ND	---	3.33
173	171/173	---	---	ND	---	5.59
174		---	---	ND	---	4.00
175		---	---	ND	---	2.76
176		---	---	ND	---	3.42

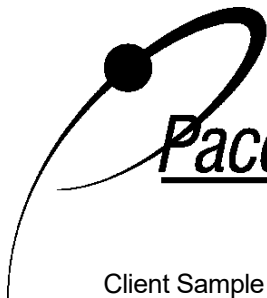
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-01-FD-250206
Lab Sample ID 10723332008
Filename P250411A_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		---	---	ND	---	3.47
178		---	---	ND	---	3.72
179		---	---	ND	---	3.73
180	180/193	---	---	ND	---	7.38
181		---	---	ND	---	3.16
182		---	---	ND	---	3.08
183	183/185	---	---	ND	---	6.07
184		---	---	ND	---	2.78
185	183/185	---	---	ND	---	6.07
186		---	---	ND	---	3.25
187		---	---	ND	---	3.77
188		---	---	ND	---	2.79
189		---	---	ND	---	3.47
190		---	---	ND	---	3.59
191		---	---	ND	---	3.08
192		---	---	ND	---	3.69
193	180/193	---	---	ND	---	7.38
194		---	---	ND	---	3.96
195		---	---	ND	---	4.02
196		---	---	ND	---	3.74
197	197/200	---	---	ND	---	6.44
198	198/199	---	---	ND	---	6.62
199	198/199	---	---	ND	---	6.62
200	197/200	---	---	ND	---	6.44
201		---	---	ND	---	2.86
202		---	---	ND	---	2.58
203		---	---	ND	---	3.71
204		---	---	ND	---	2.69
205		---	---	ND	---	2.84
206		---	---	ND	---	4.15
207		---	---	ND	---	3.53
208		---	---	ND	---	2.79
209		---	---	ND	---	3.68

Conc = Concentration
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Results reported on a dry weight basis

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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-01-FD-250206
Lab Sample ID 10723332008
Filename P250411A_11

Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	282
Total Trichloro Biphenyls	87.0
Total Tetrachloro Biphenyls	65.3
Total Pentachloro Biphenyls	12.8
Total Hexachloro Biphenyls	25.3
Total Heptachloro Biphenyls	ND
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	472

ND = Not Detected

Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-05-08-10-250207		
Lab Sample ID	10723332009		
Filename	P250411A_12		
Injected By	AH5		
Total Amount Extracted	11.7 g	Matrix	SOLID
% Moisture	11.4	Dilution	NA
Dry Weight Extracted	10.3 g	Collected	02/07/2025 09:20
ICAL ID	P250411A02	Received	02/10/2025 08:50
CCal Filename(s)	P250411A_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/11/2025 17:51

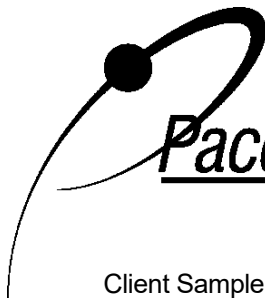
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.812	3.46	2.0	0.977	49
13C-4-MoCB	3	12.695	3.10	2.0	1.14	57
13C-2,2'-DiCB	4	13.006	1.55	2.0	1.08	54
13C-4,4'-DiCB	15	20.202	1.52	2.0	1.48	74
13C-2,2',6-TrCB	19	16.887	1.06	2.0	1.12	56
13C-3,4,4'-TrCB	37	28.052	1.04	2.0	1.55	77
13C-2,2',6,6'-TeCB	54	20.552	0.80	2.0	1.21	61
13C-3,4,4',5-TeCB	81	35.219	0.81	2.0	1.63	82
13C-3,3',4,4'-TeCB	77	35.816	0.83	2.0	1.64	82
13C-2,2',4,6,6'-PeCB	104	26.729	1.52	2.0	1.33	66
13C-2,3,3',4,4'-PeCB	105	39.450	1.60	2.0	1.60	80
13C-2,3,4,4',5-PeCB	114	38.783	1.56	2.0	1.55	77
13C-2,3',4,4',5-PeCB	118	38.218	1.56	2.0	1.58	79
13C-2,3',4,4',5'-PeCB	123	37.893	1.63	2.0	1.54	77
13C-3,3',4,4',5-PeCB	126	42.615	1.57	2.0	1.68	84
13C-2,2',4,4',6,6'-HxCB	155	32.832	1.29	2.0	1.36	68
13C-HxCB (156/157)	156/157	45.716	1.28	4.0	3.03	76
13C-2,3',4,4',5,5'-HxCB	167	44.518	1.26	2.0	1.57	78
13C-3,3',4,4',5,5'-HxCB	169	49.018	1.31	2.0	1.59	79
13C-2,2',3,4',5,6,6'-HpCB	188	38.765	1.04	2.0	1.40	70
13C-2,3,3',4,4',5,5'-HpCB	189	51.569	1.02	2.0	1.52	76
13C-2,2',3,3',5,5',6'-OxCB	202	44.279	0.92	2.0	1.40	70
13C-2,3,3',4,4',5,5',6-OxCB	205	54.190	0.95	2.0	1.38	69
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.945	0.81	2.0	1.35	67
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.080	0.79	2.0	1.48	74
13C-DeCB	209	57.567	0.74	2.0	1.37	68
CleanupStandards						
13C-2,4,4'-TrCB	28	23.665	1.04	2.0	1.43	71
13C-2,3,3',5,5'-PeCB	111	35.848	1.64	2.0	1.42	71
13C-2,2',3,3',5,5',6-HpCB	178	41.896	1.07	2.0	1.49	74
Recovery Standards						
13C-2,5-DiCB	9	15.517	1.60	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.681	0.80	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.042	1.60	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.434	1.31	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.701	0.93	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
Results reported on a dry weight basis

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X = Outside QC Limits
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I = Interference
ng's = Nanograms

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-08-10-250207
Lab Sample ID 10723332009
Filename P250411A_12

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	4.10
2		---	---	ND	---	5.73
3		---	---	ND	---	7.33
4		---	---	ND	---	4.45
5		---	---	ND	---	3.09
6		---	---	ND	---	2.89
7		---	---	ND	---	2.69
8		16.559	1.51	9.13 BJ	---	6.63
9		---	---	ND	---	3.17
10		---	---	ND	---	3.73
11		19.511	1.56	215 BJ	---	106
12	12/13	---	---	ND	---	5.72
13	12/13	---	---	ND	---	5.72
14		---	---	ND	---	2.87
15		---	---	ND	---	5.65
16		20.167	0.93	7.23 J	---	5.99
17		19.639	0.97	6.90 J	---	5.81
18	18/30	---	---	ND	---	12.5
19		---	---	ND	---	3.82
20	20/28	---	---	ND	---	31.4
21	21/33	---	---	ND	---	17.9
22		---	---	ND	---	15.1
23		---	---	ND	---	3.26
24		---	---	ND	---	3.44
25		---	---	ND	---	3.57
26	26/29	---	---	ND	---	7.08
27		---	---	ND	---	3.96
28	20/28	---	---	ND	---	31.4
29	26/29	---	---	ND	---	7.08
30	18/30	---	---	ND	---	12.5
31		---	---	ND	---	26.4
32		---	---	ND	---	5.70
33	21/33	---	---	ND	---	17.9
34		---	---	ND	---	3.31
35		27.633	0.96	4.24 BJ	---	3.55
36		---	---	ND	---	3.05
37		---	---	ND	---	8.04
38		---	---	ND	---	2.83
39		---	---	ND	---	3.36
40	40/41/71	---	---	ND	---	12.3
41	40/41/71	---	---	ND	---	12.3
42		---	---	ND	---	6.91
43	43/73	---	---	ND	---	12.1
44	44/47/65	---	---	ND	---	26.1

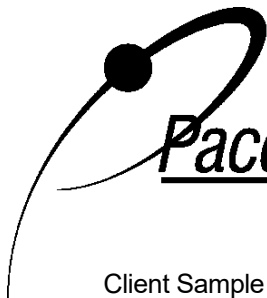
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-08-10-250207
Lab Sample ID 10723332009
Filename P250411A_12

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	---	---	ND	---	7.54
46		---	---	ND	---	3.45
47	44/47/65	---	---	ND	---	26.1
48		26.568	0.82	4.62 J	---	4.31
49	49/69	---	---	ND	---	12.6
50	50/53	---	---	ND	---	6.73
51	45/51	---	---	ND	---	7.54
52		25.713	0.77	33.4 BJ	---	23.7
53	50/53	---	---	ND	---	6.73
54		---	---	ND	---	3.24
55		---	---	ND	---	3.55
56		---	---	ND	---	7.92
57		---	---	ND	---	3.22
58		---	---	ND	---	2.87
59	59/62/75	---	---	ND	---	9.52
60		---	---	ND	---	6.46
61	61/70/74/76	---	---	ND	---	27.5
62	59/62/75	---	---	ND	---	9.52
63		---	---	ND	---	2.80
64		---	---	ND	---	9.87
65	44/47/65	---	---	ND	---	26.1
66		---	---	ND	---	16.9
67		---	---	ND	---	2.93
68		---	---	ND	---	2.65
69	49/69	---	---	ND	---	12.6
70	61/70/74/76	---	---	ND	---	27.5
71	40/41/71	---	---	ND	---	12.3
72		---	---	ND	---	2.65
73	43/73	---	---	ND	---	12.1
74	61/70/74/76	---	---	ND	---	27.5
75	59/62/75	---	---	ND	---	9.52
76	61/70/74/76	---	---	ND	---	27.5
77		---	---	ND	---	3.22
78		---	---	ND	---	2.81
79		---	---	ND	---	2.54
80		---	---	ND	---	2.28
81		---	---	ND	---	2.72
82		---	---	ND	---	7.44
83		---	---	ND	---	4.04
84		31.107	1.71	9.93 J	---	4.85
85	85/116/117	---	---	ND	---	9.77
86	86/87/97/108/119/125	---	---	ND	---	18.9
87	86/87/97/108/119/125	---	---	ND	---	18.9
88	88/91	30.881	1.60	6.76 J	---	6.52

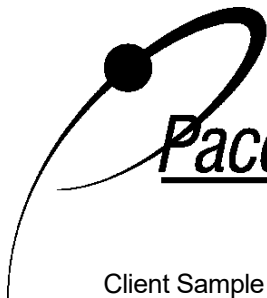
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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-05-08-10-250207
Lab Sample ID 10723332009
Filename P250411A_12

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	3.98
90	90/101/113	33.074	1.62	32.5 J	---	12.0
91	88/91	30.881	1.60	(6.76) J	---	6.52
92		32.445	1.58	8.33 J	---	3.77
93	93/98/100/102	---	---	ND	---	13.5
94		---	---	ND	---	3.27
95		29.945	1.52	61.7 J	---	15.6
96		---	---	ND	---	4.13
97	86/87/97/108/119/125	---	---	ND	---	18.9
98	93/98/100/102	---	---	ND	---	13.5
99		33.687	1.51	14.2 J	---	6.28
100	93/98/100/102	---	---	ND	---	13.5
101	90/101/113	33.074	1.62	(32.5) J	---	12.0
102	93/98/100/102	---	---	ND	---	13.5
103		---	---	ND	---	3.84
104		---	---	ND	---	2.80
105		39.467	1.59	9.49 J	---	4.77
106		---	---	ND	---	2.55
107	107/124	---	---	ND	---	5.42
108	86/87/97/108/119/125	---	---	ND	---	18.9
109		---	---	ND	---	3.33
110	110/115	35.123	1.61	54.5 B	---	13.9
111		---	---	ND	---	3.25
112		---	---	ND	---	4.28
113	90/101/113	33.074	1.62	(32.5) J	---	12.0
114		---	---	ND	---	2.67
115	110/115	35.123	1.61	(54.5) B	---	13.9
116	85/116/117	---	---	ND	---	9.77
117	85/116/117	---	---	ND	---	9.77
118		38.252	1.60	23.2 BJ	---	8.30
119	86/87/97/108/119/125	---	---	ND	---	18.9
120		---	---	ND	---	3.52
121		---	---	ND	---	3.73
122		---	---	ND	---	3.09
123		---	---	ND	---	3.46
124	107/124	---	---	ND	---	5.42
125	86/87/97/108/119/125	---	---	ND	---	18.9
126		---	---	ND	---	3.08
127		---	---	ND	---	2.80
128	128/166	42.769	1.33	16.9 J	---	5.31
129	129/138/163	41.468	1.23	171	---	10.8
130		40.801	1.45	--- JI	9.88	3.40
131		---	---	ND	---	3.38
132		38.355	1.30	64.8	---	3.50

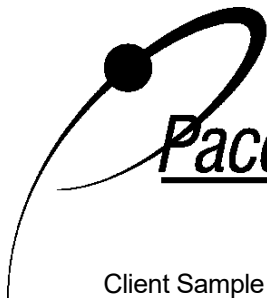
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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-08-10-250207
Lab Sample ID 10723332009
Filename P250411A_12

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		38.868	1.16	3.89 J	---	3.10
134	134/143	37.260	1.16	9.83 J	---	5.24
135	135/151	36.090	1.20	94.9	---	7.61
136		33.574	1.17	34.5	---	3.96
137		41.023	1.26	4.08 J	---	2.96
138	129/138/163	41.468	1.23	(171)	---	10.8
139	139/140	---	---	ND	---	5.35
140	139/140	---	---	ND	---	5.35
141		40.374	1.23	33.3	---	2.99
142		---	---	ND	---	2.89
143	134/143	37.260	1.16	(9.83) J	---	5.24
144		36.687	1.24	12.7 J	---	3.60
145		---	---	ND	---	3.59
146		39.552	1.30	28.3	---	3.39
147	147/149	37.055	1.25	182	---	8.12
148		---	---	ND	---	5.75
149	147/149	37.055	1.25	(182)	---	8.12
150		---	---	ND	---	3.16
151	135/151	36.090	1.20	(94.9)	---	7.61
152		---	---	ND	---	4.04
153	153/168	40.185	1.30	153	---	6.85
154		---	---	ND	---	3.33
155		---	---	ND	---	2.59
156	156/157	45.733	1.28	9.55 J	---	5.29
157	156/157	45.733	1.28	(9.55) J	---	5.29
158		41.879	1.22	14.5 J	---	2.65
159		43.731	1.14	4.38 J	---	3.43
160		---	---	ND	---	2.53
161		---	---	ND	---	2.24
162		---	---	ND	---	2.99
163	129/138/163	41.468	1.23	(171)	---	10.8
164		41.143	1.24	13.9 J	---	3.39
165		---	---	ND	---	2.76
166	128/166	42.769	1.33	(16.9) J	---	5.31
167		44.553	1.31	7.43 J	---	3.20
168	153/168	40.185	1.30	(153)	---	6.85
169		---	---	ND	---	2.83
170		48.436	1.05	80.4	---	4.27
171	171/173	44.826	1.20	23.9 J	---	5.84
172		46.469	1.01	17.2 J	---	3.47
173	171/173	44.826	1.20	(23.9) J	---	5.84
174		43.714	1.09	82.8	---	4.18
175		42.580	0.98	3.96 J	---	2.88
176		40.048	1.23	--- JI	11.3	3.57

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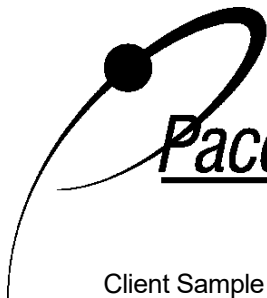
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-08-10-250207
Lab Sample ID 10723332009
Filename P250411A_12

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		44.176	1.00	53.0	---	3.63
178		41.913	1.15	18.7 J	---	3.89
179		39.125	1.05	41.0	---	3.90
180	180/193	47.136	1.04	188	---	7.71
181		---	---	ND	---	3.30
182		---	---	ND	---	3.21
183	183/185	43.492	1.00	64.0	---	6.34
184		---	---	ND	---	2.90
185	183/185	43.492	1.00	(64.0)	---	6.34
186		---	---	ND	---	3.39
187		42.854	1.00	114	---	3.94
188		---	---	ND	---	2.91
189		---	---	ND	---	3.63
190		48.966	1.11	18.4 J	---	3.75
191		---	---	ND	---	3.22
192		---	---	ND	---	3.85
193	180/193	47.136	1.04	(188)	---	7.71
194		53.724	0.86	48.8	---	4.14
195		51.369	0.92	21.1 J	---	4.20
196		49.805	0.96	24.2	---	3.91
197	197/200	46.263	0.95	8.97 J	---	6.72
198	198/199	49.138	0.92	54.6	---	6.92
199	198/199	49.138	0.92	(54.6)	---	6.92
200	197/200	46.263	0.95	(8.97) J	---	6.72
201		45.254	0.98	6.67 J	---	2.99
202		44.296	0.93	10.5 J	---	2.70
203		50.010	0.94	32.8	---	3.88
204		---	---	ND	---	2.80
205		54.212	1.34	---	3.01	2.97
206		55.967	0.82	21.3 JA	---	4.52
207		---	---	ND	---	3.69
208		51.103	0.68	6.92 J	---	2.91
209		57.589	0.60	11.5 J	---	3.84

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-05-08-10-250207
Lab Sample ID 10723332009
Filename P250411A_12

Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	224
Total Trichloro Biphenyls	18.4
Total Tetrachloro Biphenyls	38.0
Total Pentachloro Biphenyls	221
Total Hexachloro Biphenyls	859
Total Heptachloro Biphenyls	705
Total Octachloro Biphenyls	208
Total Nonachloro Biphenyls	28.2
Decachloro Biphenyls	11.5
Total PCBs	2310

ND = Not Detected

Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-05-15-16-250207		
Lab Sample ID	10723332010		
Filename	P250411B_04		
Injected By	AH5		
Total Amount Extracted	14.9 g	Matrix	SOLID
% Moisture	13.5	Dilution	NA
Dry Weight Extracted	12.9 g	Collected	02/07/2025 09:25
ICAL ID	P250411B02	Received	02/10/2025 08:50
CCal Filename(s)	P250411B_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/11/2025 23:01

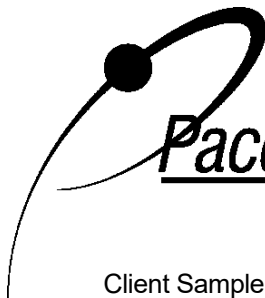
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.800	3.32	2.0	1.13	57
13C-4-MoCB	3	12.684	3.24	2.0	1.25	63
13C-2,2'-DiCB	4	12.995	1.60	2.0	1.10	55
13C-4,4'-DiCB	15	20.191	1.58	2.0	1.53	76
13C-2,2',6-TrCB	19	16.876	1.04	2.0	1.26	63
13C-3,4,4'-TrCB	37	28.037	1.06	2.0	1.74	87
13C-2,2',6,6'-TeCB	54	20.537	0.79	2.0	1.27	63
13C-3,4,4',5-TeCB	81	35.205	0.79	2.0	1.84	92
13C-3,3',4,4'-TeCB	77	35.802	0.81	2.0	1.84	92
13C-2,2',4,6,6'-PeCB	104	26.731	1.62	2.0	1.36	68
13C-2,3,3',4,4'-PeCB	105	39.435	1.60	2.0	1.72	86
13C-2,3,4,4',5-PeCB	114	38.767	1.58	2.0	1.74	87
13C-2,3',4,4',5-PeCB	118	38.203	1.59	2.0	1.76	88
13C-2,3',4,4',5'-PeCB	123	37.878	1.59	2.0	1.73	86
13C-3,3',4,4',5-PeCB	126	42.599	1.56	2.0	1.85	93
13C-2,2',4,4',6,6'-HxCB	155	32.834	1.22	2.0	1.36	68
13C-HxCB (156/157)	156/157	45.701	1.29	4.0	3.31	83
13C-2,3',4,4',5,5'-HxCB	167	44.503	1.26	2.0	1.67	83
13C-3,3',4,4',5,5'-HxCB	169	49.003	1.26	2.0	1.76	88
13C-2,2',3,4',5,6,6'-HpCB	188	38.750	1.05	2.0	1.37	68
13C-2,3,3',4,4',5,5'-HpCB	189	51.571	1.08	2.0	1.58	79
13C-2,2',3,3',5,5',6,6'-OxCB	202	44.264	0.93	2.0	1.36	68
13C-2,3,3',4,4',5,5',6-OxCB	205	54.170	0.90	2.0	1.48	74
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.925	0.82	2.0	1.41	71
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.061	0.81	2.0	1.47	73
13C-DeCB	209	57.547	0.73	2.0	1.48	74
CleanupStandards						
13C-2,4,4'-TrCB	28	23.650	1.06	2.0	1.58	79
13C-2,3,3',5,5'-PeCB	111	35.834	1.59	2.0	1.54	77
13C-2,2',3,3',5,5',6-HpCB	178	41.881	1.05	2.0	1.52	76
Recovery Standards						
13C-2,5-DiCB	9	15.505	1.59	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.666	0.80	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.043	1.62	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.419	1.27	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.682	0.91	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-15-16-250207
Lab Sample ID 10723332010
Filename P250411B_04

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	3.29
2		---	---	ND	---	4.60
3		---	---	ND	---	5.88
4		---	---	ND A	---	6.41
5		---	---	ND	---	2.48
6		---	---	ND	---	2.32
7		---	---	ND	---	2.16
8		16.548	1.46	7.56 BJ	---	5.32
9		---	---	ND	---	2.55
10		---	---	ND A	---	3.27
11		19.488	1.55	195 B	---	85.4
12	12/13	---	---	ND	---	4.59
13	12/13	---	---	ND	---	4.59
14		---	---	ND	---	2.31
15		20.215	1.38	5.93 J	---	4.53
16		20.156	1.08	5.59 J	---	4.81
17		19.629	1.04	5.80 J	---	4.67
18	18/30	19.149	1.05	10.5 J	---	10.0
19		---	---	ND	---	3.07
20	20/28	---	---	ND	---	25.2
21	21/33	---	---	ND	---	14.4
22		---	---	ND	---	12.1
23		---	---	ND	---	2.62
24		---	---	ND	---	2.76
25		---	---	ND	---	2.86
26	26/29	---	---	ND	---	5.68
27		---	---	ND	---	3.18
28	20/28	---	---	ND	---	25.2
29	26/29	---	---	ND	---	5.68
30	18/30	19.149	1.05	(10.5) J	---	10.0
31		---	---	ND	---	21.2
32		20.779	0.98	4.70 J	---	4.57
33	21/33	---	---	ND	---	14.4
34		---	---	ND	---	2.65
35		27.618	0.96	3.60 BJ	---	2.85
36		---	---	ND	---	2.45
37		---	---	ND	---	6.45
38		---	---	ND	---	2.27
39		---	---	ND	---	2.69
40	40/41/71	---	---	ND	---	9.86
41	40/41/71	---	---	ND	---	9.86
42		---	---	ND	---	5.54
43	43/73	---	---	ND	---	9.70
44	44/47/65	---	---	ND	---	21.0

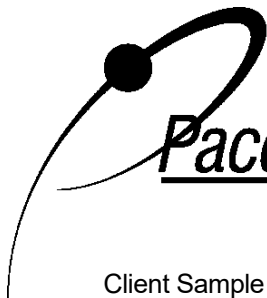
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Results reported on a dry weight basis

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-15-16-250207
Lab Sample ID 10723332010
Filename P250411B_04

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	---	---	ND	---	6.06
46		---	---	ND	---	2.77
47	44/47/65	---	---	ND	---	21.0
48		---	---	ND	---	3.46
49	49/69	---	---	ND	---	10.1
50	50/53	---	---	ND	---	5.40
51	45/51	---	---	ND	---	6.06
52		25.698	0.79	22.7 BJ	---	19.0
53	50/53	---	---	ND	---	5.40
54		---	---	ND	---	2.60
55		---	---	ND	---	2.85
56		---	---	ND	---	6.36
57		---	---	ND	---	2.59
58		---	---	ND	---	2.31
59	59/62/75	---	---	ND	---	7.64
60		---	---	ND	---	5.19
61	61/70/74/76	---	---	ND	---	22.0
62	59/62/75	---	---	ND	---	7.64
63		---	---	ND	---	2.25
64		---	---	ND	---	7.92
65	44/47/65	---	---	ND	---	21.0
66		---	---	ND	---	13.6
67		---	---	ND	---	2.35
68		---	---	ND	---	2.13
69	49/69	---	---	ND	---	10.1
70	61/70/74/76	---	---	ND	---	22.0
71	40/41/71	---	---	ND	---	9.86
72		---	---	ND	---	2.13
73	43/73	---	---	ND	---	9.70
74	61/70/74/76	---	---	ND	---	22.0
75	59/62/75	---	---	ND	---	7.64
76	61/70/74/76	---	---	ND	---	22.0
77		---	---	ND	---	2.59
78		---	---	ND	---	2.26
79		---	---	ND	---	2.04
80		---	---	ND	---	1.83
81		---	---	ND	---	2.18
82		---	---	ND	---	5.97
83		---	---	ND	---	3.24
84		31.092	1.45	4.92 J	---	3.89
85	85/116/117	---	---	ND	---	7.84
86	86/87/97/108/119/125	---	---	ND	---	15.1
87	86/87/97/108/119/125	---	---	ND	---	15.1
88	88/91	---	---	ND	---	5.23

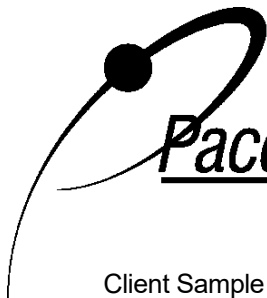
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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-15-16-250207
Lab Sample ID 10723332010
Filename P250411B_04

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	3.19
90	90/101/113	33.076	1.58	17.8 J	---	9.63
91	88/91	---	---	ND	---	5.23
92		32.479	1.71	4.57 J	---	3.03
93	93/98/100/102	---	---	ND	---	10.9
94		---	---	ND	---	2.62
95		29.930	1.55	26.4 J	---	12.5
96		---	---	ND	---	3.31
97	86/87/97/108/119/125	---	---	ND	---	15.1
98	93/98/100/102	---	---	ND	---	10.9
99		33.673	1.49	8.92 J	---	5.04
100	93/98/100/102	---	---	ND	---	10.9
101	90/101/113	33.076	1.58	(17.8) J	---	9.63
102	93/98/100/102	---	---	ND	---	10.9
103		---	---	ND	---	3.08
104		---	---	ND	---	2.24
105		39.452	1.74	6.53 J	---	3.83
106		---	---	ND	---	2.05
107	107/124	---	---	ND	---	4.35
108	86/87/97/108/119/125	---	---	ND	---	15.1
109		---	---	ND	---	2.67
110	110/115	35.108	1.59	27.5 BJ	---	11.2
111		---	---	ND	---	2.61
112		---	---	ND	---	3.43
113	90/101/113	33.076	1.58	(17.8) J	---	9.63
114		---	---	ND	---	2.14
115	110/115	35.108	1.59	(27.5) BJ	---	11.2
116	85/116/117	---	---	ND	---	7.84
117	85/116/117	---	---	ND	---	7.84
118		38.237	1.58	14.0 BJ	---	6.66
119	86/87/97/108/119/125	---	---	ND	---	15.1
120		---	---	ND	---	2.83
121		---	---	ND	---	3.00
122		---	---	ND	---	2.48
123		---	---	ND	---	2.78
124	107/124	---	---	ND	---	4.35
125	86/87/97/108/119/125	---	---	ND	---	15.1
126		---	---	ND	---	2.47
127		---	---	ND	---	2.24
128	128/166	42.754	1.33	6.77 J	---	4.26
129	129/138/163	41.453	1.23	75.1	---	8.69
130		40.786	1.08	3.86 J	---	2.73
131		---	---	ND	---	2.71
132		38.340	1.32	27.7	---	2.81

Conc = Concentration
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Nn = Value obtained from additional analyses

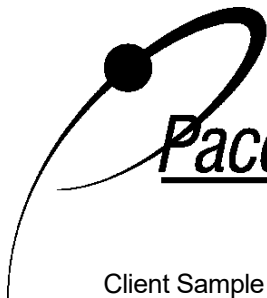
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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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Tel: 612-607-1700
Fax: 612- 607-6444

**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-15-16-250207
Lab Sample ID 10723332010
Filename P250411B_04

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	2.48
134	134/143	---	---	ND	---	4.21
135	135/151	36.092	1.30	42.8	---	6.11
136		33.576	1.37	14.7 J	---	3.18
137		---	---	ND	---	2.38
138	129/138/163	41.453	1.23	(75.1)	---	8.69
139	139/140	---	---	ND	---	4.29
140	139/140	---	---	ND	---	4.29
141		40.358	1.21	15.8 J	---	2.40
142		---	---	ND	---	2.32
143	134/143	---	---	ND	---	4.21
144		36.673	1.19	5.62 J	---	2.89
145		---	---	ND	---	2.88
146		39.537	1.42	11.4 J	---	2.72
147	147/149	37.039	1.31	79.3	---	6.52
148		---	---	ND	---	4.62
149	147/149	37.039	1.31	(79.3)	---	6.52
150		---	---	ND	---	2.54
151	135/151	36.092	1.30	(42.8)	---	6.11
152		---	---	ND	---	3.24
153	153/168	40.170	1.25	63.2	---	5.50
154		---	---	ND	---	2.67
155		32.866	1.26	2.35 J	---	2.08
156	156/157	45.701	1.08	5.29 J	---	4.25
157	156/157	45.701	1.08	(5.29) J	---	4.25
158		41.864	1.34	6.88 J	---	2.13
159		---	---	ND	---	2.76
160		---	---	ND	---	2.03
161		---	---	ND	---	1.80
162		---	---	ND	---	2.40
163	129/138/163	41.453	1.23	(75.1)	---	8.69
164		41.128	1.32	5.48 J	---	2.72
165		---	---	ND	---	2.21
166	128/166	42.754	1.33	(6.77) J	---	4.26
167		44.537	1.28	2.67 J	---	2.57
168	153/168	40.170	1.25	(63.2)	---	5.50
169		---	---	ND	---	2.27
170		48.421	0.99	36.1	---	3.42
171	171/173	44.811	1.17	11.3 J	---	4.69
172		46.454	1.04	8.02 J	---	2.79
173	171/173	44.811	1.17	(11.3) J	---	4.69
174		43.716	0.99	40.4	---	3.35
175		---	---	ND	---	2.31
176		40.033	0.90	5.61 J	---	2.86

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
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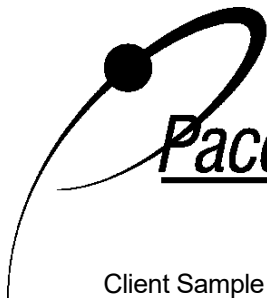
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-15-16-250207
Lab Sample ID 10723332010
Filename P250411B_04

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		44.161	1.09	24.9	---	2.91
178		41.898	1.06	9.23 J	---	3.12
179		39.110	1.05	19.2 J	---	3.13
180	180/193	47.121	1.04	89.2	---	6.19
181		---	---	ND	---	2.65
182		---	---	ND	---	2.58
183	183/185	43.477	1.06	30.3 J	---	5.08
184		---	---	ND	---	2.33
185	183/185	43.477	1.06	(30.3) J	---	5.08
186		---	---	ND	---	2.72
187		42.839	1.02	52.5	---	3.16
188		---	---	ND	---	2.34
189		---	---	ND	---	2.91
190		48.952	0.94	7.82 J	---	3.01
191		---	---	ND	---	2.59
192		---	---	ND	---	3.09
193	180/193	47.121	1.04	(89.2)	---	6.19
194		53.726	0.98	20.1	---	3.32
195		51.349	0.92	9.43 J	---	3.37
196		49.790	0.88	11.7 J	---	3.14
197	197/200	---	---	ND	---	5.40
198	198/199	49.123	0.94	24.0 J	---	5.55
199	198/199	49.123	0.94	(24.0) J	---	5.55
200	197/200	---	---	ND	---	5.40
201		45.239	0.94	3.57 J	---	2.40
202		44.281	0.83	4.36 J	---	2.17
203		49.995	0.90	14.9 J	---	3.11
204		---	---	ND	---	2.25
205		---	---	ND	---	2.38
206		55.970	0.98	--- JI	7.29	3.48
207		---	---	ND	---	2.96
208		---	---	ND	---	2.34
209		57.591	1.03	--- JI	4.22	3.08

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-15-16-250207
Lab Sample ID 10723332010
Filename P250411B_04

Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	209
Total Trichloro Biphenyls	30.2
Total Tetrachloro Biphenyls	22.7
Total Pentachloro Biphenyls	111
Total Hexachloro Biphenyls	369
Total Heptachloro Biphenyls	335
Total Octachloro Biphenyls	88.0
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	1160

ND = Not Detected

Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-05-16-18-250207		
Lab Sample ID	10723332011		
Filename	P250411B_05		
Injected By	AH5		
Total Amount Extracted	13.4 g	Matrix	SOLID
% Moisture	64.5	Dilution	NA
Dry Weight Extracted	4.75 g	Collected	02/07/2025 09:30
ICAL ID	P250411B02	Received	02/10/2025 08:50
CCal Filename(s)	P250411B_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/12/2025 00:03

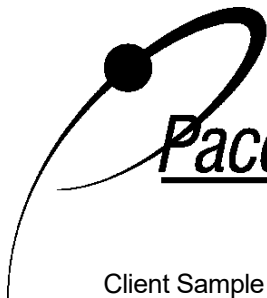
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.811	3.13	2.0	1.01	51
13C-4-MoCB	3	12.695	2.72	2.0	1.18	59
13C-2,2'-DiCB	4	13.018	1.65	2.0	1.05	52
13C-4,4'-DiCB	15	20.201	1.50	2.0	1.43	72
13C-2,2',6-TrCB	19	16.898	1.08	2.0	1.07	54
13C-3,4,4'-TrCB	37	28.051	1.09	2.0	1.58	79
13C-2,2',6,6'-TeCB	54	20.551	0.81	2.0	1.22	61
13C-3,4,4',5-TeCB	81	35.218	0.80	2.0	1.63	82
13C-3,3',4,4'-TeCB	77	35.799	0.81	2.0	1.70	85
13C-2,2',4,6,6'-PeCB	104	26.728	1.60	2.0	1.31	65
13C-2,3,3',4,4'-PeCB	105	39.431	1.60	2.0	1.63	82
13C-2,3,4,4',5-PeCB	114	38.781	1.61	2.0	1.59	79
13C-2,3',4,4',5-PeCB	118	38.217	1.59	2.0	1.59	79
13C-2,3',4,4',5'-PeCB	123	37.875	1.58	2.0	1.60	80
13C-3,3',4,4',5-PeCB	126	42.613	1.59	2.0	1.67	84
13C-2,2',4,4',6,6'-HxCB	155	32.831	1.23	2.0	1.27	64
13C-HxCB (156/157)	156/157	45.698	1.28	4.0	3.03	76
13C-2,3',4,4',5,5'-HxCB	167	44.517	1.33	2.0	1.49	74
13C-3,3',4,4',5,5'-HxCB	169	49.000	1.28	2.0	1.55	77
13C-2,2',3,4',5,6,6'-HpCB	188	38.764	1.07	2.0	1.31	66
13C-2,3,3',4,4',5,5'-HpCB	189	51.569	1.03	2.0	1.43	72
13C-2,2',3,3',5,5',6,6'-OxCB	202	44.261	0.88	2.0	1.31	66
13C-2,3,3',4,4',5,5',6-OxCB	205	54.190	0.89	2.0	1.35	68
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.945	0.82	2.0	1.35	67
13C-2,2',3,3',4,4',5,5',6,6'-NoCB	208	51.080	0.81	2.0	1.35	68
13C-DeCB	209	57.566	0.70	2.0	1.34	67
CleanupStandards						
13C-2,4,4'-TrCB	28	23.664	1.09	2.0	1.51	75
13C-2,3,3',5,5'-PeCB	111	35.847	1.65	2.0	1.49	75
13C-2,2',3,3',5,5',6-HpCB	178	41.878	1.07	2.0	1.48	74
Recovery Standards						
13C-2,5-DiCB	9	15.516	1.55	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.680	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.041	1.61	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.433	1.32	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.701	0.92	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-16-18-250207
Lab Sample ID 10723332011
Filename P250411B_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	8.93
2		---	---	ND	---	12.5
3		---	---	ND	---	16.0
4		---	---	ND A	---	13.5
5		---	---	ND A	---	11.3
6		---	---	ND	---	6.30
7		---	---	ND A	---	9.77
8		16.558	1.64	16.7 BJ	---	14.4
9		---	---	ND	---	6.91
10		---	---	ND	---	8.13
11		19.510	1.54	432 BJ	---	232
12	12/13	---	---	ND	---	12.4
13	12/13	---	---	ND	---	12.4
14		---	---	ND A	---	10.6
15		20.224	1.35	12.3 J	---	12.3
16		20.165	1.02	14.7 J	---	13.0
17		19.650	1.12	14.8 J	---	12.7
18	18/30	---	---	ND	---	27.2
19		---	---	ND	---	8.32
20	20/28	---	---	ND	---	68.4
21	21/33	---	---	ND	---	39.0
22		---	---	ND	---	32.9
23		---	---	ND	---	7.10
24		---	---	ND	---	7.50
25		---	---	ND	---	7.77
26	26/29	---	---	ND	---	15.4
27		---	---	ND	---	8.61
28	20/28	---	---	ND	---	68.4
29	26/29	---	---	ND	---	15.4
30	18/30	---	---	ND	---	27.2
31		---	---	ND	---	57.5
32		20.777	1.03	13.2 J	---	12.4
33	21/33	---	---	ND	---	39.0
34		---	---	ND	---	7.20
35		---	---	ND	---	7.73
36		---	---	ND	---	6.63
37		---	---	ND	---	17.5
38		---	---	ND	---	6.17
39		---	---	ND	---	7.31
40	40/41/71	---	---	ND	---	26.7
41	40/41/71	---	---	ND	---	26.7
42		---	---	ND	---	15.0
43	43/73	---	---	ND	---	26.3
44	44/47/65	---	---	ND	---	56.9

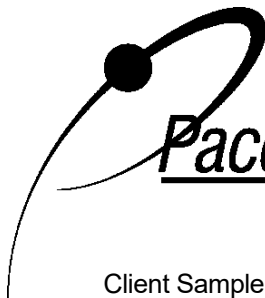
Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
X = Outside QC Limits
RT = Retention Time
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Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-05-16-18-250207
Lab Sample ID 10723332011
Filename P250411B_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	---	---	ND	---	16.4
46		---	---	ND	---	7.52
47	44/47/65	---	---	ND	---	56.9
48		---	---	ND	---	9.39
49	49/69	---	---	ND	---	27.4
50	50/53	---	---	ND	---	14.7
51	45/51	---	---	ND	---	16.4
52		---	---	ND	---	51.6
53	50/53	---	---	ND	---	14.7
54		---	---	ND	---	7.05
55		---	---	ND	---	7.73
56		---	---	ND	---	17.2
57		---	---	ND	---	7.01
58		---	---	ND	---	6.25
59	59/62/75	---	---	ND	---	20.7
60		---	---	ND	---	14.1
61	61/70/74/76	---	---	ND	---	59.8
62	59/62/75	---	---	ND	---	20.7
63		---	---	ND	---	6.11
64		---	---	ND	---	21.5
65	44/47/65	---	---	ND	---	56.9
66		---	---	ND	---	36.9
67		---	---	ND	---	6.38
68		---	---	ND	---	5.77
69	49/69	---	---	ND	---	27.4
70	61/70/74/76	---	---	ND	---	59.8
71	40/41/71	---	---	ND	---	26.7
72		---	---	ND	---	5.77
73	43/73	---	---	ND	---	26.3
74	61/70/74/76	---	---	ND	---	59.8
75	59/62/75	---	---	ND	---	20.7
76	61/70/74/76	---	---	ND	---	59.8
77		---	---	ND	---	7.01
78		---	---	ND	---	6.13
79		---	---	ND	---	5.54
80		---	---	ND	---	4.97
81		---	---	ND	---	5.92
82		---	---	ND	---	16.2
83		---	---	ND	---	8.80
84		---	---	ND	---	10.6
85	85/116/117	---	---	ND	---	21.3
86	86/87/97/108/119/125	---	---	ND	---	41.1
87	86/87/97/108/119/125	---	---	ND	---	41.1
88	88/91	---	---	ND	---	14.2

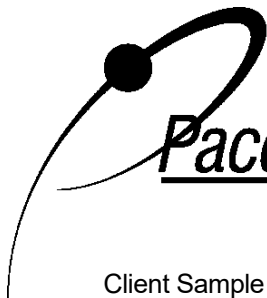
Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-16-18-250207
Lab Sample ID 10723332011
Filename P250411B_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	8.65
90	90/101/113	---	---	ND	---	26.1
91	88/91	---	---	ND	---	14.2
92		---	---	ND	---	8.21
93	93/98/100/102	---	---	ND	---	29.5
94		---	---	ND	---	7.12
95		---	---	ND	---	33.9
96		---	---	ND	---	8.99
97	86/87/97/108/119/125	---	---	ND	---	41.1
98	93/98/100/102	---	---	ND	---	29.5
99		---	---	ND	---	13.7
100	93/98/100/102	---	---	ND	---	29.5
101	90/101/113	---	---	ND	---	26.1
102	93/98/100/102	---	---	ND	---	29.5
103		---	---	ND	---	8.36
104		---	---	ND	---	6.09
105		---	---	ND	---	10.4
106		---	---	ND	---	5.56
107	107/124	---	---	ND	---	11.8
108	86/87/97/108/119/125	---	---	ND	---	41.1
109		---	---	ND	---	7.24
110	110/115	---	---	ND	---	30.3
111		---	---	ND	---	7.08
112		---	---	ND	---	9.31
113	90/101/113	---	---	ND	---	26.1
114		---	---	ND	---	5.81
115	110/115	---	---	ND	---	30.3
116	85/116/117	---	---	ND	---	21.3
117	85/116/117	---	---	ND	---	21.3
118		---	---	ND	---	18.1
119	86/87/97/108/119/125	---	---	ND	---	41.1
120		---	---	ND	---	7.67
121		---	---	ND	---	8.13
122		---	---	ND	---	6.72
123		---	---	ND	---	7.54
124	107/124	---	---	ND	---	11.8
125	86/87/97/108/119/125	---	---	ND	---	41.1
126		---	---	ND	---	6.70
127		---	---	ND	---	6.09
128	128/166	---	---	ND	---	11.6
129	129/138/163	---	---	ND	---	23.6
130		---	---	ND	---	7.41
131		---	---	ND	---	7.35
132		38.354	1.27	8.48 J	---	7.62

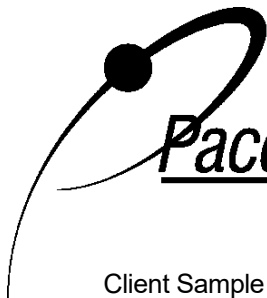
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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-16-18-250207
Lab Sample ID 10723332011
Filename P250411B_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	6.74
134	134/143	---	---	ND	---	11.4
135	135/151	---	---	ND	---	16.6
136		---	---	ND	---	8.61
137		---	---	ND	---	6.44
138	129/138/163	---	---	ND	---	23.6
139	139/140	---	---	ND	---	11.6
140	139/140	---	---	ND	---	11.6
141		---	---	ND	---	6.51
142		---	---	ND	---	6.30
143	134/143	---	---	ND	---	11.4
144		---	---	ND	---	7.83
145		---	---	ND	---	7.81
146		---	---	ND	---	7.37
147	147/149	---	---	ND	---	17.7
148		---	---	ND	---	12.5
149	147/149	---	---	ND	---	17.7
150		---	---	ND	---	6.89
151	135/151	---	---	ND	---	16.6
152		---	---	ND	---	8.80
153	153/168	---	---	ND	---	14.9
154		---	---	ND	---	7.24
155		---	---	ND	---	5.64
156	156/157	---	---	ND	---	11.5
157	156/157	---	---	ND	---	11.5
158		---	---	ND	---	5.77
159		---	---	ND	---	7.48
160		---	---	ND	---	5.52
161		---	---	ND	---	4.89
162		---	---	ND	---	6.51
163	129/138/163	---	---	ND	---	23.6
164		---	---	ND	---	7.37
165		---	---	ND	---	6.00
166	128/166	---	---	ND	---	11.6
167		---	---	ND	---	6.97
168	153/168	---	---	ND	---	14.9
169		---	---	ND	---	6.17
170		---	---	ND	---	9.29
171	171/173	---	---	ND	---	12.7
172		---	---	ND	---	7.56
173	171/173	---	---	ND	---	12.7
174		---	---	ND	---	9.10
175		---	---	ND	---	6.28
176		---	---	ND	---	7.77

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

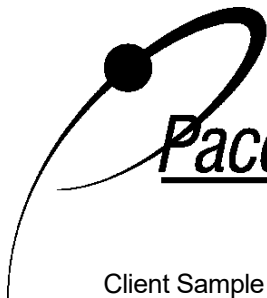
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Results reported on a dry weight basis

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-16-18-250207
Lab Sample ID 10723332011
Filename P250411B_05

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		---	---	ND	---	7.90
178		---	---	ND	---	8.47
179		---	---	ND	---	8.49
180	180/193	---	---	ND	---	16.8
181		---	---	ND	---	7.18
182		---	---	ND	---	6.99
183	183/185	---	---	ND	---	13.8
184		---	---	ND	---	6.32
185	183/185	---	---	ND	---	13.8
186		---	---	ND	---	7.39
187		---	---	ND	---	8.57
188		---	---	ND	---	6.34
189		---	---	ND	---	7.90
190		---	---	ND	---	8.17
191		---	---	ND	---	7.01
192		---	---	ND	---	8.38
193	180/193	---	---	ND	---	16.8
194		---	---	ND	---	9.01
195		---	---	ND	---	9.14
196		---	---	ND	---	8.51
197	197/200	---	---	ND	---	14.6
198	198/199	---	---	ND	---	15.1
199	198/199	---	---	ND	---	15.1
200	197/200	---	---	ND	---	14.6
201		---	---	ND	---	6.51
202		---	---	ND	---	5.88
203		---	---	ND	---	8.44
204		---	---	ND	---	6.11
205		---	---	ND	---	6.46
206		---	---	ND	---	9.43
207		---	---	ND	---	8.02
208		---	---	ND	---	6.34
209		---	---	ND	---	8.36

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
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Results reported on a dry weight basis

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-16-18-250207
Lab Sample ID 10723332011
Filename P250411B_05

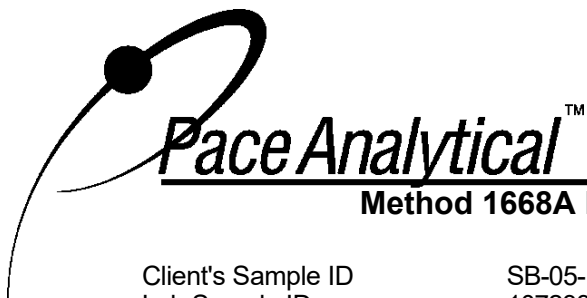
Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	461
Total Trichloro Biphenyls	42.8
Total Tetrachloro Biphenyls	ND
Total Pentachloro Biphenyls	ND
Total Hexachloro Biphenyls	8.48
Total Heptachloro Biphenyls	ND
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	512

ND = Not Detected

Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-05-18-20-250207		
Lab Sample ID	10723332012		
Filename	P250411B_06		
Injected By	AH5		
Total Amount Extracted	13.1 g	Matrix	SOLID
% Moisture	69.3	Dilution	NA
Dry Weight Extracted	4.01 g	Collected	02/07/2025 09:35
ICAL ID	P250411B02	Received	02/10/2025 08:50
CCal Filename(s)	P250411B_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/12/2025 01:05

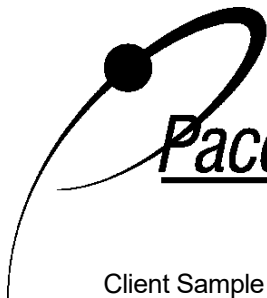
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.812	3.12	2.0	1.25	62
13C-4-MoCB	3	12.695	3.08	2.0	1.33	66
13C-2,2'-DiCB	4	13.006	1.62	2.0	1.24	62
13C-4,4'-DiCB	15	20.202	1.54	2.0	1.58	79
13C-2,2',6-TrCB	19	16.887	0.99	2.0	1.12	56
13C-3,4,4'-TrCB	37	28.052	1.04	2.0	1.71	85
13C-2,2',6,6'-TeCB	54	20.552	0.81	2.0	1.34	67
13C-3,4,4',5-TeCB	81	35.220	0.81	2.0	1.81	90
13C-3,3',4,4'-TeCB	77	35.817	0.80	2.0	1.83	92
13C-2,2',4,6,6'-PeCB	104	26.729	1.62	2.0	1.41	70
13C-2,3,3',4,4'-PeCB	105	39.433	1.54	2.0	1.75	88
13C-2,3,4,4',5-PeCB	114	38.783	1.60	2.0	1.71	85
13C-2,3',4,4',5-PeCB	118	38.218	1.58	2.0	1.69	84
13C-2,3',4,4',5'-PeCB	123	37.876	1.61	2.0	1.68	84
13C-3,3',4,4',5-PeCB	126	42.616	1.63	2.0	1.75	88
13C-2,2',4,4',6,6'-HxCB	155	32.816	1.28	2.0	1.42	71
13C-HxCB (156/157)	156/157	45.700	1.29	4.0	3.23	81
13C-2,3',4,4',5,5'-HxCB	167	44.520	1.27	2.0	1.59	79
13C-3,3',4,4',5,5'-HxCB	169	49.002	1.27	2.0	1.68	84
13C-2,2',3,4',5,6,6'-HpCB	188	38.766	1.02	2.0	1.44	72
13C-2,3,3',4,4',5,5'-HpCB	189	51.570	1.07	2.0	1.66	83
13C-2,2',3,3',5,5',6,6'-OxCB	202	44.263	0.90	2.0	1.42	71
13C-2,3,3',4,4',5,5',6-OxCB	205	54.192	0.90	2.0	1.52	76
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.947	0.79	2.0	1.46	73
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.060	0.87	2.0	1.47	74
13C-DeCB	209	57.568	0.73	2.0	1.51	75
CleanupStandards						
13C-2,4,4'-TrCB	28	23.649	1.04	2.0	1.59	80
13C-2,3,3',5,5'-PeCB	111	35.849	1.57	2.0	1.55	77
13C-2,2',3,3',5,5',6-HpCB	178	41.880	1.06	2.0	1.52	76
Recovery Standards						
13C-2,5-DiCB	9	15.505	1.58	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.665	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.026	1.58	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.435	1.29	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.703	0.94	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
Results reported on a dry weight basis

* = See Discussion
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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-18-20-250207
Lab Sample ID 10723332012
Filename P250411B_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	10.6
2		---	---	ND	---	14.7
3		---	---	ND	---	18.9
4		---	---	ND	---	11.5
5		---	---	ND	---	7.95
6		---	---	ND	---	7.45
7		---	---	ND	---	6.93
8		16.559	1.76	23.4 BJ	---	17.1
9		---	---	ND	---	8.17
10		---	---	ND	---	9.62
11		19.499	1.56	507 BJ	---	274
12	12/13	---	---	ND	---	14.7
13	12/13	---	---	ND	---	14.7
14		---	---	ND	---	7.40
15		---	---	ND	---	14.6
16		20.155	0.97	18.3 J	---	15.4
17		19.640	0.96	19.0 J	---	15.0
18	18/30	---	---	ND	---	32.1
19		---	---	ND	---	9.84
20	20/28	---	---	ND	---	81.0
21	21/33	---	---	ND	---	46.1
22		---	---	ND	---	38.9
23		---	---	ND	---	8.40
24		---	---	ND	---	8.87
25		---	---	ND	---	9.19
26	26/29	---	---	ND	---	18.2
27		---	---	ND	---	10.2
28	20/28	---	---	ND	---	81.0
29	26/29	---	---	ND	---	18.2
30	18/30	---	---	ND	---	32.1
31		---	---	ND	---	68.0
32		20.778	1.07	14.8 J	---	14.7
33	21/33	---	---	ND	---	46.1
34		---	---	ND	---	8.52
35		---	---	ND	---	9.14
36		---	---	ND	---	7.85
37		---	---	ND	---	20.7
38		---	---	ND	---	7.30
39		---	---	ND	---	8.65
40	40/41/71	---	---	ND	---	31.6
41	40/41/71	---	---	ND	---	31.6
42		---	---	ND	---	17.8
43	43/73	---	---	ND	---	31.1
44	44/47/65	---	---	ND	---	67.3

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
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R = Recovery outside of Method 1668A control limits
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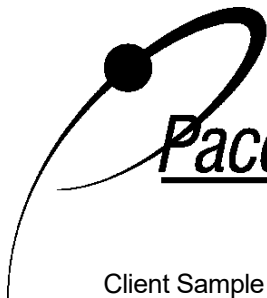
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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-05-18-20-250207
Lab Sample ID 10723332012
Filename P250411B_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	---	---	ND	---	19.4
46		---	---	ND	---	8.89
47	44/47/65	---	---	ND	---	67.3
48		---	---	ND	---	11.1
49	49/69	---	---	ND	---	32.4
50	50/53	---	---	ND	---	17.3
51	45/51	---	---	ND	---	19.4
52		25.697	0.75	63.3 BJ	---	61.0
53	50/53	---	---	ND	---	17.3
54		---	---	ND	---	8.35
55		---	---	ND	---	9.14
56		---	---	ND	---	20.4
57		---	---	ND	---	8.30
58		---	---	ND	---	7.40
59	59/62/75	---	---	ND	---	24.5
60		---	---	ND	---	16.6
61	61/70/74/76	---	---	ND	---	70.8
62	59/62/75	---	---	ND	---	24.5
63		---	---	ND	---	7.23
64		---	---	ND	---	25.4
65	44/47/65	---	---	ND	---	67.3
66		---	---	ND	---	43.6
67		---	---	ND	---	7.55
68		---	---	ND	---	6.83
69	49/69	---	---	ND	---	32.4
70	61/70/74/76	---	---	ND	---	70.8
71	40/41/71	---	---	ND	---	31.6
72		---	---	ND	---	6.83
73	43/73	---	---	ND	---	31.1
74	61/70/74/76	---	---	ND	---	70.8
75	59/62/75	---	---	ND	---	24.5
76	61/70/74/76	---	---	ND	---	70.8
77		---	---	ND	---	8.30
78		---	---	ND	---	7.25
79		---	---	ND	---	6.55
80		---	---	ND	---	5.88
81		---	---	ND	---	7.00
82		---	---	ND	---	19.2
83		---	---	ND	---	10.4
84		---	---	ND	---	12.5
85	85/116/117	---	---	ND	---	25.2
86	86/87/97/108/119/125	---	---	ND	---	48.6
87	86/87/97/108/119/125	---	---	ND	---	48.6
88	88/91	---	---	ND	---	16.8

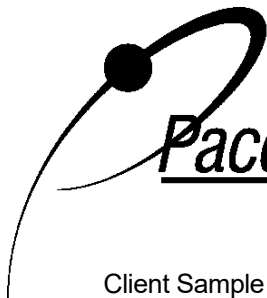
Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
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R = Recovery outside of Method 1668A control limits
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ND = Not Detected
NA = Not Applicable
NC = Not Calculated
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Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-18-20-250207
Lab Sample ID 10723332012
Filename P250411B_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	10.2
90	90/101/113	---	---	ND	---	30.9
91	88/91	---	---	ND	---	16.8
92		---	---	ND	---	9.72
93	93/98/100/102	---	---	ND	---	34.9
94		---	---	ND	---	8.42
95		---	---	ND	---	40.1
96		---	---	ND	---	10.6
97	86/87/97/108/119/125	---	---	ND	---	48.6
98	93/98/100/102	---	---	ND	---	34.9
99		---	---	ND	---	16.2
100	93/98/100/102	---	---	ND	---	34.9
101	90/101/113	---	---	ND	---	30.9
102	93/98/100/102	---	---	ND	---	34.9
103		---	---	ND	---	9.89
104		---	---	ND	---	7.20
105		39.450	1.34	15.5 J	---	12.3
106		---	---	ND	---	6.58
107	107/124	---	---	ND	---	14.0
108	86/87/97/108/119/125	---	---	ND	---	48.6
109		---	---	ND	---	8.57
110	110/115	---	---	ND	---	35.9
111		---	---	ND	---	8.37
112		---	---	ND	---	11.0
113	90/101/113	---	---	ND	---	30.9
114		---	---	ND	---	6.88
115	110/115	---	---	ND	---	35.9
116	85/116/117	---	---	ND	---	25.2
117	85/116/117	---	---	ND	---	25.2
118		38.236	1.59	24.7 BJ	---	21.4
119	86/87/97/108/119/125	---	---	ND	---	48.6
120		---	---	ND	---	9.07
121		---	---	ND	---	9.62
122		---	---	ND	---	7.95
123		---	---	ND	---	8.92
124	107/124	---	---	ND	---	14.0
125	86/87/97/108/119/125	---	---	ND	---	48.6
126		---	---	ND	---	7.92
127		---	---	ND	---	7.20
128	128/166	---	---	ND	---	13.7
129	129/138/163	41.452	1.31	43.6 J	---	27.9
130		---	---	ND	---	8.77
131		---	---	ND	---	8.70
132		38.355	1.31	16.5 J	---	9.02

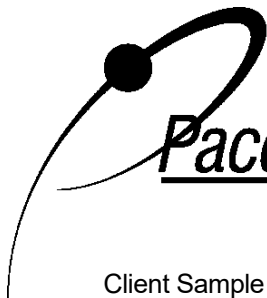
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-18-20-250207
Lab Sample ID 10723332012
Filename P250411B_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	7.97
134	134/143	---	---	ND	---	13.5
135	135/151	---	---	ND	---	19.6
136		---	---	ND	---	10.2
137		---	---	ND	---	7.62
138	129/138/163	41.452	1.31	(43.6) J	---	27.9
139	139/140	---	---	ND	---	13.8
140	139/140	---	---	ND	---	13.8
141		40.374	1.24	9.44 J	---	7.70
142		---	---	ND	---	7.45
143	134/143	---	---	ND	---	13.5
144		---	---	ND	---	9.27
145		---	---	ND	---	9.24
146		---	---	ND	---	8.72
147	147/149	37.055	1.19	26.6 J	---	20.9
148		---	---	ND	---	14.8
149	147/149	37.055	1.19	(26.6) J	---	20.9
150		---	---	ND	---	8.15
151	135/151	---	---	ND	---	19.6
152		---	---	ND	---	10.4
153	153/168	40.169	1.38	31.5 J	---	17.6
154		---	---	ND	---	8.57
155		---	---	ND	---	6.68
156	156/157	---	---	ND	---	13.6
157	156/157	---	---	ND	---	13.6
158		---	---	ND	---	6.83
159		---	---	ND	---	8.84
160		---	---	ND	---	6.53
161		---	---	ND	---	5.78
162		---	---	ND	---	7.70
163	129/138/163	41.452	1.31	(43.6) J	---	27.9
164		---	---	ND	---	8.72
165		---	---	ND	---	7.10
166	128/166	---	---	ND	---	13.7
167		---	---	ND	---	8.25
168	153/168	40.169	1.38	(31.5) J	---	17.6
169		---	---	ND	---	7.30
170		---	---	ND	---	11.0
171	171/173	---	---	ND	---	15.0
172		---	---	ND	---	8.94
173	171/173	---	---	ND	---	15.0
174		---	---	ND	---	10.8
175		---	---	ND	---	7.42
176		---	---	ND	---	9.19

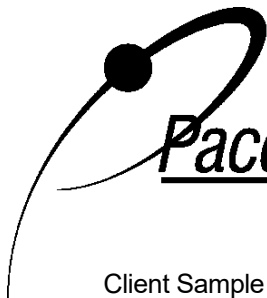
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Results reported on a dry weight basis

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-18-20-250207
Lab Sample ID 10723332012
Filename P250411B_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		---	---	ND	---	9.34
178		---	---	ND	---	10.0
179		---	---	ND	---	10.0
180	180/193	---	---	ND	---	19.9
181		---	---	ND	---	8.50
182		---	---	ND	---	8.27
183	183/185	---	---	ND	---	16.3
184		---	---	ND	---	7.47
185	183/185	---	---	ND	---	16.3
186		---	---	ND	---	8.75
187		42.838	1.04	10.6 J	---	10.1
188		---	---	ND	---	7.50
189		---	---	ND	---	9.34
190		---	---	ND	---	9.67
191		---	---	ND	---	8.30
192		---	---	ND	---	9.92
193	180/193	---	---	ND	---	19.9
194		---	---	ND	---	10.7
195		---	---	ND	---	10.8
196		---	---	ND	---	10.1
197	197/200	---	---	ND	---	17.3
198	198/199	---	---	ND	---	17.8
199	198/199	---	---	ND	---	17.8
200	197/200	---	---	ND	---	17.3
201		---	---	ND	---	7.70
202		---	---	ND	---	6.95
203		---	---	ND	---	9.99
204		---	---	ND	---	7.23
205		---	---	ND	---	7.65
206		---	---	ND	---	11.2
207		---	---	ND	---	9.49
208		---	---	ND	---	7.50
209		---	---	ND	---	9.89

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
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Results reported on a dry weight basis

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-18-20-250207
Lab Sample ID 10723332012
Filename P250411B_06

Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	531
Total Trichloro Biphenyls	52.0
Total Tetrachloro Biphenyls	63.3
Total Pentachloro Biphenyls	40.1
Total Hexachloro Biphenyls	128
Total Heptachloro Biphenyls	10.6
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	825

ND = Not Detected

Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-05-28-30-250207		
Lab Sample ID	10723332013		
Filename	P250411B_07		
Injected By	AH5		
Total Amount Extracted	12.4 g	Matrix	SOLID
% Moisture	30.4	Dilution	NA
Dry Weight Extracted	8.67 g	Collected	02/07/2025 09:40
ICAL ID	P250411B02	Received	02/10/2025 08:50
CCal Filename(s)	P250411B_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/12/2025 02:07

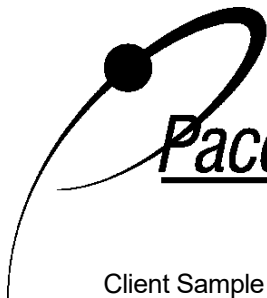
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.823	3.25	2.0	1.02	51
13C-4-MoCB	3	12.707	2.99	2.0	1.16	58
13C-2,2'-DiCB	4	13.018	1.62	2.0	1.03	51
13C-4,4'-DiCB	15	20.212	1.60	2.0	1.44	72
13C-2,2',6-TrCB	19	16.898	1.07	2.0	1.09	54
13C-3,4,4'-TrCB	37	28.052	1.08	2.0	1.62	81
13C-2,2',6,6'-TeCB	54	20.551	0.79	2.0	1.19	60
13C-3,4,4',5-TeCB	81	35.219	0.79	2.0	1.67	84
13C-3,3',4,4'-TeCB	77	35.815	0.79	2.0	1.78	89
13C-2,2',4,6,6'-PeCB	104	26.745	1.61	2.0	1.30	65
13C-2,3,3',4,4'-PeCB	105	39.432	1.55	2.0	1.67	84
13C-2,3,4,4',5-PeCB	114	38.782	1.61	2.0	1.63	82
13C-2,3',4,4',5-PeCB	118	38.217	1.60	2.0	1.66	83
13C-2,3',4,4',5'-PeCB	123	37.892	1.61	2.0	1.64	82
13C-3,3',4,4',5-PeCB	126	42.614	1.58	2.0	1.79	89
13C-2,2',4,4',6,6'-HxCB	155	32.832	1.24	2.0	1.36	68
13C-HxCB (156/157)	156/157	45.716	1.27	4.0	3.23	81
13C-2,3',4,4',5,5'-HxCB	167	44.518	1.28	2.0	1.64	82
13C-3,3',4,4',5,5'-HxCB	169	49.018	1.32	2.0	1.71	86
13C-2,2',3,4',5,6,6'-HpCB	188	38.765	1.07	2.0	1.31	65
13C-2,3,3',4,4',5,5'-HpCB	189	51.591	1.06	2.0	1.54	77
13C-2,2',3,3',5,5',6,6'-OxCB	202	44.262	0.91	2.0	1.31	66
13C-2,3,3',4,4',5,5',6-OxCB	205	54.190	0.91	2.0	1.40	70
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.945	0.84	2.0	1.37	68
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.081	0.82	2.0	1.38	69
13C-DeCB	209	57.567	0.72	2.0	1.33	66
CleanupStandards						
13C-2,4,4'-TrCB	28	23.664	1.12	2.0	1.49	74
13C-2,3,3',5,5'-PeCB	111	35.848	1.63	2.0	1.47	74
13C-2,2',3,3',5,5',6-HpCB	178	41.896	1.05	2.0	1.49	75
Recovery Standards						
13C-2,5-DiCB	9	15.527	1.61	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.680	0.80	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.041	1.62	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.434	1.31	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.724	0.91	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-28-30-250207
Lab Sample ID 10723332013
Filename P250411B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	4.89
2		12.491	3.01	11.3 J	---	6.83
3		---	---	ND	---	8.75
4		---	---	ND A	---	6.72
5		---	---	ND	---	3.68
6		---	---	ND	---	3.45
7		---	---	ND	---	3.21
8		16.570	1.21	--- JI	9.34	7.90
9		---	---	ND	---	3.78
10		---	---	ND	---	4.45
11		19.521	1.54	217 BJ	---	127
12	12/13	---	---	ND	---	6.82
13	12/13	---	---	ND	---	6.82
14		---	---	ND	---	3.43
15		---	---	ND	---	6.74
16		---	---	ND	---	7.14
17		19.650	1.04	7.90 J	---	6.93
18	18/30	---	---	ND	---	14.9
19		---	---	ND	---	4.56
20	20/28	---	---	ND	---	37.5
21	21/33	---	---	ND	---	21.3
22		---	---	ND	---	18.0
23		---	---	ND	---	3.89
24		---	---	ND	---	4.11
25		---	---	ND	---	4.26
26	26/29	---	---	ND	---	8.45
27		---	---	ND	---	4.72
28	20/28	---	---	ND	---	37.5
29	26/29	---	---	ND	---	8.45
30	18/30	---	---	ND	---	14.9
31		---	---	ND	---	31.5
32		---	---	ND	---	6.80
33	21/33	---	---	ND	---	21.3
34		---	---	ND	---	3.95
35		---	---	ND	---	4.23
36		---	---	ND	---	3.63
37		---	---	ND	---	9.59
38		---	---	ND	---	3.38
39		---	---	ND	---	4.00
40	40/41/71	---	---	ND	---	14.7
41	40/41/71	---	---	ND	---	14.7
42		---	---	ND	---	8.24
43	43/73	---	---	ND	---	14.4
44	44/47/65	---	---	ND	---	31.2

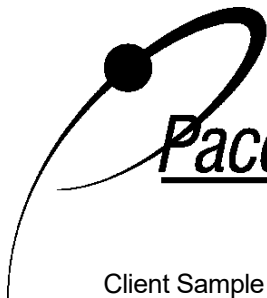
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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-28-30-250207
Lab Sample ID 10723332013
Filename P250411B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	---	---	ND	---	9.00
46		---	---	ND	---	4.12
47	44/47/65	---	---	ND	---	31.2
48		---	---	ND	---	5.15
49	49/69	---	---	ND	---	15.0
50	50/53	---	---	ND	---	8.03
51	45/51	---	---	ND	---	9.00
52		25.712	0.77	30.6 BJ	---	28.3
53	50/53	---	---	ND	---	8.03
54		---	---	ND	---	3.87
55		---	---	ND	---	4.23
56		---	---	ND	---	9.45
57		---	---	ND	---	3.84
58		---	---	ND	---	3.43
59	59/62/75	---	---	ND	---	11.4
60		---	---	ND	---	7.71
61	61/70/74/76	---	---	ND	---	32.8
62	59/62/75	---	---	ND	---	11.4
63		---	---	ND	---	3.35
64		---	---	ND	---	11.8
65	44/47/65	---	---	ND	---	31.2
66		---	---	ND	---	20.2
67		---	---	ND	---	3.50
68		---	---	ND	---	3.16
69	49/69	---	---	ND	---	15.0
70	61/70/74/76	---	---	ND	---	32.8
71	40/41/71	---	---	ND	---	14.7
72		---	---	ND	---	3.16
73	43/73	---	---	ND	---	14.4
74	61/70/74/76	---	---	ND	---	32.8
75	59/62/75	---	---	ND	---	11.4
76	61/70/74/76	---	---	ND	---	32.8
77		---	---	ND	---	3.84
78		---	---	ND	---	3.36
79		---	---	ND	---	3.03
80		---	---	ND	---	2.72
81		---	---	ND	---	3.24
82		---	---	ND	---	8.87
83		---	---	ND	---	4.82
84		---	---	ND	---	5.78
85	85/116/117	---	---	ND	---	11.7
86	86/87/97/108/119/125	---	---	ND	---	22.5
87	86/87/97/108/119/125	---	---	ND	---	22.5
88	88/91	---	---	ND	---	7.78

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

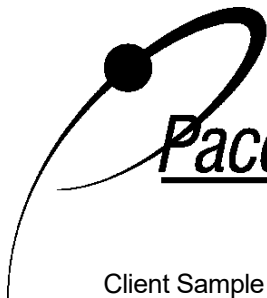
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NA = Not Applicable
NC = Not Calculated
* = See Discussion
X = Outside QC Limits
RT = Retention Time
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ng's = Nanograms

Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-28-30-250207
Lab Sample ID 10723332013
Filename P250411B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	4.74
90	90/101/113	---	---	ND	---	14.3
91	88/91	---	---	ND	---	7.78
92		---	---	ND	---	4.50
93	93/98/100/102	---	---	ND	---	16.2
94		---	---	ND	---	3.90
95		29.944	1.34	26.8 J	---	18.6
96		---	---	ND	---	4.93
97	86/87/97/108/119/125	---	---	ND	---	22.5
98	93/98/100/102	---	---	ND	---	16.2
99		---	---	ND	---	7.49
100	93/98/100/102	---	---	ND	---	16.2
101	90/101/113	---	---	ND	---	14.3
102	93/98/100/102	---	---	ND	---	16.2
103		---	---	ND	---	4.58
104		---	---	ND	---	3.33
105		---	---	ND	---	5.69
106		---	---	ND	---	3.05
107	107/124	---	---	ND	---	6.46
108	86/87/97/108/119/125	---	---	ND	---	22.5
109		---	---	ND	---	3.97
110	110/115	35.122	1.50	20.5 BJ	---	16.6
111		---	---	ND	---	3.88
112		---	---	ND	---	5.10
113	90/101/113	---	---	ND	---	14.3
114		---	---	ND	---	3.18
115	110/115	35.122	1.50	(20.5) BJ	---	16.6
116	85/116/117	---	---	ND	---	11.7
117	85/116/117	---	---	ND	---	11.7
118		---	---	ND	---	9.90
119	86/87/97/108/119/125	---	---	ND	---	22.5
120		---	---	ND	---	4.20
121		---	---	ND	---	4.45
122		---	---	ND	---	3.68
123		---	---	ND	---	4.13
124	107/124	---	---	ND	---	6.46
125	86/87/97/108/119/125	---	---	ND	---	22.5
126		---	---	ND	---	3.67
127		---	---	ND	---	3.33
128	128/166	---	---	ND	---	6.33
129	129/138/163	41.468	1.29	58.6 J	---	12.9
130		---	---	ND	---	4.06
131		---	---	ND	---	4.03
132		38.354	1.11	25.2 J	---	4.18

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

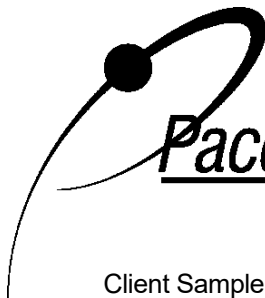
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Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-28-30-250207
Lab Sample ID 10723332013
Filename P250411B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	3.69
134	134/143	---	---	ND	---	6.25
135	135/151	36.106	1.24	42.6 J	---	9.08
136		33.574	1.21	16.3 J	---	4.72
137		---	---	ND	---	3.53
138	129/138/163	41.468	1.29	(58.6) J	---	12.9
139	139/140	---	---	ND	---	6.38
140	139/140	---	---	ND	---	6.38
141		40.373	1.36	12.9 J	---	3.57
142		---	---	ND	---	3.45
143	134/143	---	---	ND	---	6.25
144		36.702	1.26	5.75 J	---	4.29
145		---	---	ND	---	4.28
146		39.535	1.33	9.62 J	---	4.04
147	147/149	37.054	1.29	81.3	---	9.69
148		---	---	ND	---	6.87
149	147/149	37.054	1.29	(81.3)	---	9.69
150		---	---	ND	---	3.77
151	135/151	36.106	1.24	(42.6) J	---	9.08
152		---	---	ND	---	4.82
153	153/168	40.185	1.30	52.8 J	---	8.17
154		---	---	ND	---	3.97
155		32.848	1.40	3.15 J	---	3.09
156	156/157	---	---	ND	---	6.31
157	156/157	---	---	ND	---	6.31
158		41.879	1.24	5.11 J	---	3.16
159		---	---	ND	---	4.10
160		---	---	ND	---	3.02
161		---	---	ND	---	2.68
162		---	---	ND	---	3.57
163	129/138/163	41.468	1.29	(58.6) J	---	12.9
164		41.143	1.14	5.09 J	---	4.04
165		---	---	ND	---	3.29
166	128/166	---	---	ND	---	6.33
167		---	---	ND	---	3.82
168	153/168	40.185	1.30	(52.8) J	---	8.17
169		---	---	ND	---	3.38
170		48.436	0.96	28.4 J	---	5.09
171	171/173	44.826	0.91	9.84 J	---	6.97
172		46.468	1.06	6.37 J	---	4.14
173	171/173	44.826	0.91	(9.84) J	---	6.97
174		43.731	1.03	36.4	---	4.98
175		---	---	ND	---	3.44
176		40.048	0.96	6.43 J	---	4.26

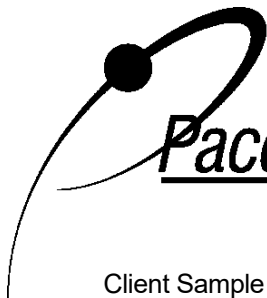
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-28-30-250207
Lab Sample ID 10723332013
Filename P250411B_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		44.176	1.09	22.5 J	---	4.33
178		41.913	1.05	9.02 J	---	4.64
179		39.124	1.15	18.5 J	---	4.65
180	180/193	47.136	1.03	70.8	---	9.20
181		---	---	ND	---	3.93
182		---	---	ND	---	3.83
183	183/185	43.492	1.04	28.9 J	---	7.56
184		---	---	ND	---	3.46
185	183/185	43.492	1.04	(28.9) J	---	7.56
186		---	---	ND	---	4.05
187		42.854	1.04	47.3	---	4.70
188		---	---	ND	---	3.47
189		---	---	ND	---	4.33
190		48.984	0.94	5.46 J	---	4.48
191		---	---	ND	---	3.84
192		---	---	ND	---	4.59
193	180/193	47.136	1.03	(70.8)	---	9.20
194		53.746	0.99	13.7 J	---	4.94
195		51.369	0.85	7.36 J	---	5.01
196		49.805	0.98	8.58 J	---	4.66
197	197/200	---	---	ND	---	8.02
198	198/199	49.138	0.90	19.0 J	---	8.25
199	198/199	49.138	0.90	(19.0) J	---	8.25
200	197/200	---	---	ND	---	8.02
201		---	---	ND	---	3.57
202		44.296	0.87	3.71 J	---	3.22
203		50.010	1.01	10.6 J	---	4.63
204		---	---	ND	---	3.35
205		---	---	ND	---	3.54
206		---	---	ND	---	5.17
207		---	---	ND	---	4.40
208		---	---	ND	---	3.47
209		---	---	ND	---	4.58

Conc = Concentration
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A = Limit of Detection based on signal to noise (EDL)
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-28-30-250207
Lab Sample ID 10723332013
Filename P250411B_07

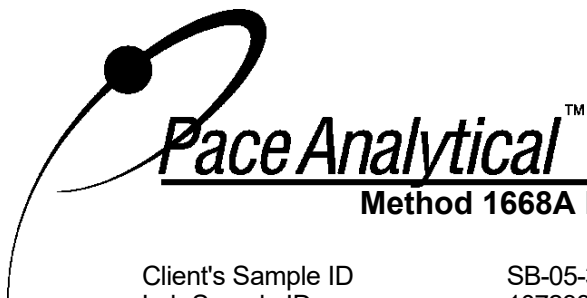
Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	11.3
Total Dichloro Biphenyls	217
Total Trichloro Biphenyls	7.90
Total Tetrachloro Biphenyls	30.6
Total Pentachloro Biphenyls	47.2
Total Hexachloro Biphenyls	318
Total Heptachloro Biphenyls	290
Total Octachloro Biphenyls	63.0
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	985

ND = Not Detected

Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-05-30-32-250207		
Lab Sample ID	10723332014		
Filename	P250411B_08		
Injected By	AH5		
Total Amount Extracted	15.9 g	Matrix	SOLID
% Moisture	43.9	Dilution	NA
Dry Weight Extracted	8.93 g	Collected	02/07/2025 09:45
ICAL ID	P250411B02	Received	02/10/2025 08:50
CCal Filename(s)	P250411B_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/12/2025 03:09

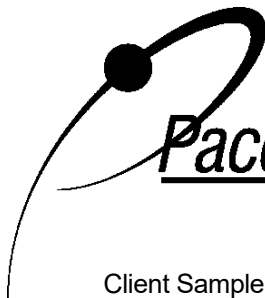
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.824	3.02	2.0	1.11	56
13C-4-MoCB	3	12.696	2.95	2.0	1.26	63
13C-2,2'-DiCB	4	13.007	1.58	2.0	1.07	54
13C-4,4'-DiCB	15	20.203	1.57	2.0	1.54	77
13C-2,2',6-TrCB	19	16.899	1.03	2.0	1.15	57
13C-3,4,4'-TrCB	37	28.053	1.02	2.0	1.77	89
13C-2,2',6,6'-TeCB	54	20.553	0.80	2.0	1.26	63
13C-3,4,4',5-TeCB	81	35.221	0.80	2.0	1.93	96
13C-3,3',4,4'-TeCB	77	35.801	0.81	2.0	1.91	95
13C-2,2',4,6,6'-PeCB	104	26.730	1.65	2.0	1.35	67
13C-2,3,3',4,4'-PeCB	105	39.434	1.60	2.0	1.87	93
13C-2,3,4,4',5-PeCB	114	38.784	1.63	2.0	1.81	90
13C-2,3',4,4',5-PeCB	118	38.219	1.58	2.0	1.80	90
13C-2,3',4,4',5'-PeCB	123	37.877	1.58	2.0	1.79	89
13C-3,3',4,4',5-PeCB	126	42.616	1.64	2.0	1.97	98
13C-2,2',4,4',6,6'-HxCB	155	32.817	1.28	2.0	1.39	70
13C-HxCB (156/157)	156/157	45.701	1.27	4.0	3.54	88
13C-2,3',4,4',5,5'-HxCB	167	44.520	1.33	2.0	1.72	86
13C-3,3',4,4',5,5'-HxCB	169	49.002	1.30	2.0	1.86	93
13C-2,2',3,4',5,6,6'-HpCB	188	38.767	1.08	2.0	1.37	68
13C-2,3,3',4,4',5,5'-HpCB	189	51.571	1.05	2.0	1.70	85
13C-2,2',3,3',5,5',6,6'-OxCB	202	44.264	0.89	2.0	1.38	69
13C-2,3,3',4,4',5,5',6-OxCB	205	54.192	0.91	2.0	1.54	77
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.947	0.81	2.0	1.48	74
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.083	0.80	2.0	1.49	75
13C-DeCB	209	57.569	0.71	2.0	1.47	74
CleanupStandards						
13C-2,4,4'-TrCB	28	23.666	1.07	2.0	1.62	81
13C-2,3,3',5,5'-PeCB	111	35.850	1.62	2.0	1.60	80
13C-2,2',3,3',5,5',6-HpCB	178	41.881	1.08	2.0	1.55	78
Recovery Standards						
13C-2,5-DiCB	9	15.517	1.58	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.682	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.043	1.56	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.436	1.28	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.704	0.93	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
Results reported on a dry weight basis

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-30-32-250207
Lab Sample ID 10723332014
Filename P250411B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	4.75
2		12.480	2.44	---	8.20	6.63
3		---	---	ND	---	8.49
4		---	---	ND A	---	6.18
5		---	---	ND	---	3.57
6		---	---	ND	---	3.35
7		---	---	ND	---	3.11
8		16.560	1.73	11.5 BJ	---	7.67
9		---	---	ND	---	3.67
10		---	---	ND	---	4.32
11		19.512	1.55	320 B	---	123
12	12/13	---	---	ND	---	6.62
13	12/13	---	---	ND	---	6.62
14		---	---	ND	---	3.32
15		20.226	1.51	8.53 J	---	6.54
16		20.168	1.23	---	7.31	6.93
17		19.640	1.08	9.01 J	---	6.73
18	18/30	---	---	ND	---	14.4
19		---	---	ND	---	4.42
20	20/28	23.682	1.04	40.7 J	---	36.4
21	21/33	23.956	1.05	21.9 J	---	20.7
22		---	---	ND	---	17.5
23		---	---	ND	---	3.77
24		---	---	ND	---	3.99
25		---	---	ND	---	4.13
26	26/29	---	---	ND	---	8.19
27		---	---	ND	---	4.58
28	20/28	23.682	1.04	(40.7) J	---	36.4
29	26/29	---	---	ND	---	8.19
30	18/30	---	---	ND	---	14.4
31		23.343	1.08	31.3 J	---	30.6
32		20.779	1.06	6.72 J	---	6.59
33	21/33	23.956	1.05	(21.9) J	---	20.7
34		---	---	ND	---	3.83
35		27.634	1.09	6.43 BJ	---	4.11
36		---	---	ND	---	3.53
37		28.069	1.05	9.55 BJ	---	9.30
38		---	---	ND	---	3.28
39		---	---	ND	---	3.88
40	40/41/71	---	---	ND	---	14.2
41	40/41/71	---	---	ND	---	14.2
42		---	---	ND	---	7.99
43	43/73	---	---	ND	---	14.0
44	44/47/65	---	---	ND	---	30.2

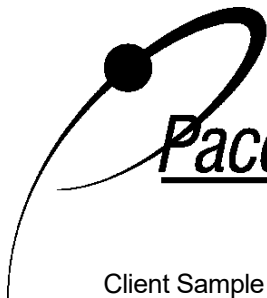
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-30-32-250207
Lab Sample ID 10723332014
Filename P250411B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	---	---	ND	---	8.73
46		---	---	ND	---	4.00
47	44/47/65	---	---	ND	---	30.2
48		---	---	ND	---	4.99
49	49/69	---	---	ND	---	14.6
50	50/53	---	---	ND	---	7.79
51	45/51	---	---	ND	---	8.73
52		25.698	0.80	34.6 BJ	---	27.4
53	50/53	---	---	ND	---	7.79
54		---	---	ND	---	3.75
55		---	---	ND	---	4.11
56		---	---	ND	---	9.17
57		---	---	ND	---	3.73
58		---	---	ND	---	3.32
59	59/62/75	---	---	ND	---	11.0
60		---	---	ND	---	7.48
61	61/70/74/76	---	---	ND	---	31.8
62	59/62/75	---	---	ND	---	11.0
63		---	---	ND	---	3.25
64		---	---	ND	---	11.4
65	44/47/65	---	---	ND	---	30.2
66		---	---	ND	---	19.6
67		---	---	ND	---	3.39
68		---	---	ND	---	3.07
69	49/69	---	---	ND	---	14.6
70	61/70/74/76	---	---	ND	---	31.8
71	40/41/71	---	---	ND	---	14.2
72		---	---	ND	---	3.07
73	43/73	---	---	ND	---	14.0
74	61/70/74/76	---	---	ND	---	31.8
75	59/62/75	---	---	ND	---	11.0
76	61/70/74/76	---	---	ND	---	31.8
77		---	---	ND	---	3.73
78		---	---	ND	---	3.26
79		---	---	ND	---	2.94
80		---	---	ND	---	2.64
81		---	---	ND	---	3.15
82		---	---	ND	---	8.61
83		---	---	ND	---	4.68
84		---	---	ND	---	5.61
85	85/116/117	---	---	ND	---	11.3
86	86/87/97/108/119/125	---	---	ND	---	21.8
87	86/87/97/108/119/125	---	---	ND	---	21.8
88	88/91	---	---	ND	---	7.55

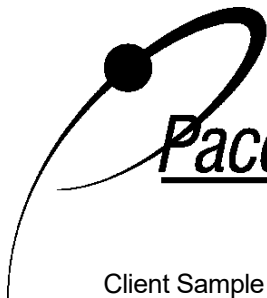
Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
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Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-30-32-250207
Lab Sample ID 10723332014
Filename P250411B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	4.60
90	90/101/113	---	---	ND	---	13.9
91	88/91	---	---	ND	---	7.55
92		---	---	ND	---	4.37
93	93/98/100/102	---	---	ND	---	15.7
94		---	---	ND	---	3.78
95		---	---	ND	---	18.0
96		---	---	ND	---	4.78
97	86/87/97/108/119/125	---	---	ND	---	21.8
98	93/98/100/102	---	---	ND	---	15.7
99		---	---	ND	---	7.27
100	93/98/100/102	---	---	ND	---	15.7
101	90/101/113	---	---	ND	---	13.9
102	93/98/100/102	---	---	ND	---	15.7
103		---	---	ND	---	4.44
104		---	---	ND	---	3.24
105		---	---	ND	---	5.52
106		---	---	ND	---	2.96
107	107/124	---	---	ND	---	6.27
108	86/87/97/108/119/125	---	---	ND	---	21.8
109		---	---	ND	---	3.85
110	110/115	35.124	1.52	18.2 BJ	---	16.1
111		---	---	ND	---	3.76
112		---	---	ND	---	4.95
113	90/101/113	---	---	ND	---	13.9
114		---	---	ND	---	3.09
115	110/115	35.124	1.52	(18.2) BJ	---	16.1
116	85/116/117	---	---	ND	---	11.3
117	85/116/117	---	---	ND	---	11.3
118		38.254	1.72	10.8 BJ	---	9.61
119	86/87/97/108/119/125	---	---	ND	---	21.8
120		---	---	ND	---	4.08
121		---	---	ND	---	4.32
122		---	---	ND	---	3.57
123		---	---	ND	---	4.01
124	107/124	---	---	ND	---	6.27
125	86/87/97/108/119/125	---	---	ND	---	21.8
126		---	---	ND	---	3.56
127		---	---	ND	---	3.24
128	128/166	---	---	ND	---	6.15
129	129/138/163	41.470	1.26	36.0 J	---	12.5
130		---	---	ND	---	3.94
131		---	---	ND	---	3.91
132		38.356	1.17	14.1 J	---	4.05

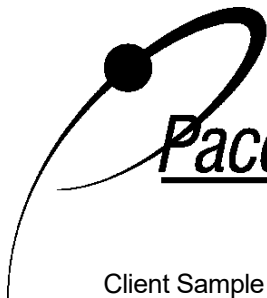
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-30-32-250207
Lab Sample ID 10723332014
Filename P250411B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	3.58
134	134/143	---	---	ND	---	6.07
135	135/151	36.108	1.20	20.6 J	---	8.81
136		33.575	1.32	7.58 J	---	4.58
137		---	---	ND	---	3.43
138	129/138/163	41.470	1.26	(36.0) J	---	12.5
139	139/140	---	---	ND	---	6.19
140	139/140	---	---	ND	---	6.19
141		40.375	1.48	---	6.42	3.46
142		---	---	ND	---	3.35
143	134/143	---	---	ND	---	6.07
144		---	---	ND	---	4.16
145		---	---	ND	---	4.15
146		39.537	1.09	5.45 J	---	3.92
147	147/149	37.056	1.25	39.1 J	---	9.40
148		---	---	ND	---	6.66
149	147/149	37.056	1.25	(39.1) J	---	9.40
150		---	---	ND	---	3.66
151	135/151	36.108	1.20	(20.6) J	---	8.81
152		---	---	ND	---	4.68
153	153/168	40.170	1.26	29.8 J	---	7.93
154		---	---	ND	---	3.85
155		32.849	1.34	3.46 J	---	3.00
156	156/157	---	---	ND	---	6.12
157	156/157	---	---	ND	---	6.12
158		41.863	1.27	3.21 J	---	3.07
159		---	---	ND	---	3.97
160		---	---	ND	---	2.93
161		---	---	ND	---	2.60
162		---	---	ND	---	3.46
163	129/138/163	41.470	1.26	(36.0) J	---	12.5
164		---	---	ND	---	3.92
165		---	---	ND	---	3.19
166	128/166	---	---	ND	---	6.15
167		---	---	ND	---	3.71
168	153/168	40.170	1.26	(29.8) J	---	7.93
169		---	---	ND	---	3.28
170		48.421	1.00	16.3 J	---	4.94
171	171/173	---	---	ND	---	6.76
172		---	---	ND	---	4.02
173	171/173	---	---	ND	---	6.76
174		43.716	0.93	17.8 J	---	4.84
175		---	---	ND	---	3.34
176		---	---	ND	---	4.13

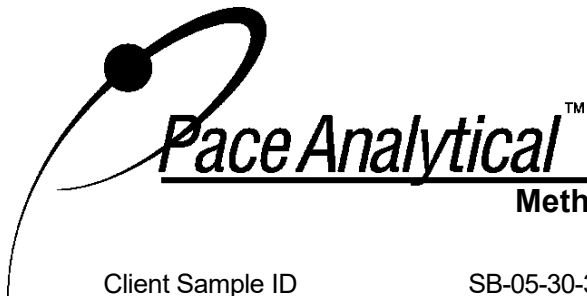
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-30-32-250207
Lab Sample ID 10723332014
Filename P250411B_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		44.178	1.04	11.0 J	---	4.20
178		---	---	ND	---	4.50
179		39.126	1.04	8.64 J	---	4.51
180	180/193	47.138	1.02	36.0 J	---	8.92
181		---	---	ND	---	3.82
182		---	---	ND	---	3.72
183	183/185	43.494	1.18	13.9 J	---	7.33
184		---	---	ND	---	3.36
185	183/185	43.494	1.18	(13.9) J	---	7.33
186		---	---	ND	---	3.93
187		42.856	1.03	23.2 J	---	4.56
188		---	---	ND	---	3.37
189		---	---	ND	---	4.20
190		---	---	ND	---	4.34
191		---	---	ND	---	3.73
192		---	---	ND	---	4.46
193	180/193	47.138	1.02	(36.0) J	---	8.92
194		53.748	0.95	8.56 J	---	4.79
195		---	---	ND	---	4.86
196		49.790	0.91	4.69 J	---	4.52
197	197/200	---	---	ND	---	7.78
198	198/199	49.139	0.87	9.64 J	---	8.00
199	198/199	49.139	0.87	(9.64) J	---	8.00
200	197/200	---	---	ND	---	7.78
201		---	---	ND	---	3.46
202		---	---	ND	---	3.12
203		49.995	0.98	6.14 J	---	4.49
204		---	---	ND	---	3.25
205		---	---	ND	---	3.44
206		---	---	ND	---	5.02
207		---	---	ND	---	4.27
208		---	---	ND	---	3.37
209		---	---	ND	---	4.44

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-30-32-250207
Lab Sample ID 10723332014
Filename P250411B_08

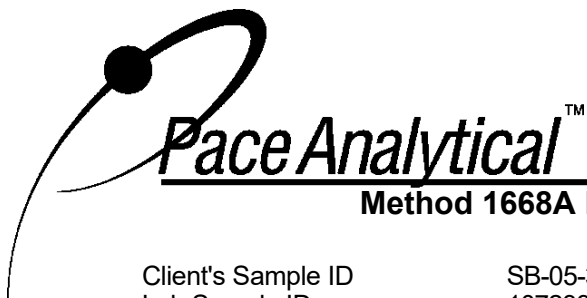
Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	340
Total Trichloro Biphenyls	126
Total Tetrachloro Biphenyls	34.6
Total Pentachloro Biphenyls	29.0
Total Hexachloro Biphenyls	159
Total Heptachloro Biphenyls	127
Total Octachloro Biphenyls	29.0
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	844

ND = Not Detected

Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-05-32-34-250207		
Lab Sample ID	10723332015		
Filename	P250411B_09		
Injected By	AH5		
Total Amount Extracted	13.7 g	Matrix	SOLID
% Moisture	38.3	Dilution	NA
Dry Weight Extracted	8.45 g	Collected	02/07/2025 09:50
ICAL ID	P250411B02	Received	02/10/2025 08:50
CCal Filename(s)	P250411B_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/12/2025 04:11

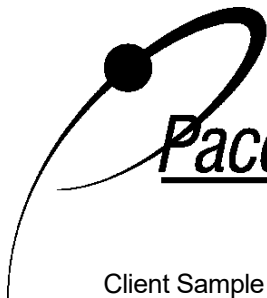
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.812	3.05	2.0	1.08	54
13C-4-MoCB	3	12.696	3.44	2.0	1.20	60
13C-2,2'-DiCB	4	13.007	1.62	2.0	1.09	55
13C-4,4'-DiCB	15	20.203	1.64	2.0	1.57	78
13C-2,2',6-TrCB	19	16.899	1.02	2.0	1.26	63
13C-3,4,4'-TrCB	37	28.054	1.08	2.0	1.76	88
13C-2,2',6,6'-TeCB	54	20.553	0.78	2.0	1.30	65
13C-3,4,4',5-TeCB	81	35.285	0.78	2.0	1.89	94
13C-3,3',4,4'-TeCB	77	35.947	0.80	2.0	1.98	99
13C-2,2',4,6,6'-PeCB	104	26.731	1.53	2.0	1.32	66
13C-2,3,3',4,4'-PeCB	105	39.451	1.58	2.0	1.77	89
13C-2,3,4,4',5-PeCB	114	38.801	1.60	2.0	1.76	88
13C-2,3',4,4',5-PeCB	118	38.254	1.57	2.0	1.73	87
13C-2,3',4,4',5'-PeCB	123	37.911	1.57	2.0	1.74	87
13C-3,3',4,4',5-PeCB	126	42.616	1.64	2.0	1.84	92
13C-2,2',4,4',6,6'-HxCB	155	32.834	1.27	2.0	1.47	73
13C-HxCB (156/157)	156/157	45.717	1.28	4.0	3.52	88
13C-2,3',4,4',5,5'-HxCB	167	44.520	1.28	2.0	1.76	88
13C-3,3',4,4',5,5'-HxCB	169	49.020	1.27	2.0	1.82	91
13C-2,2',3,4',5,6,6'-HpCB	188	38.784	1.05	2.0	1.44	72
13C-2,3,3',4,4',5,5'-HpCB	189	51.571	1.08	2.0	1.64	82
13C-2,2',3,3',5,5',6,6'-OxCB	202	44.280	0.95	2.0	1.48	74
13C-2,3,3',4,4',5,5',6-OxCB	205	54.192	0.90	2.0	1.56	78
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.947	0.81	2.0	1.48	74
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.082	0.79	2.0	1.51	76
13C-DeCB	209	57.569	0.71	2.0	1.43	72
CleanupStandards						
13C-2,4,4'-TrCB	28	23.666	1.08	2.0	1.66	83
13C-2,3,3',5,5'-PeCB	111	35.947	1.60	2.0	1.54	77
13C-2,2',3,3',5,5',6-HpCB	178	41.898	1.07	2.0	1.65	82
Recovery Standards						
13C-2,5-DiCB	9	15.517	1.54	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.683	0.80	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.043	1.61	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.436	1.25	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.703	0.94	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
Results reported on a dry weight basis

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-32-34-250207
Lab Sample ID 10723332015
Filename P250411B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	5.02
2		---	---	ND	---	7.01
3		---	---	ND	---	8.97
4		13.019	1.63	5.53 J	---	5.44
5		---	---	ND	---	3.78
6		---	---	ND	---	3.54
7		---	---	ND	---	3.29
8		16.560	1.38	10.2 BJ	---	8.11
9		---	---	ND	---	3.88
10		---	---	ND	---	4.57
11		19.512	1.57	270 BJ	---	130
12	12/13	---	---	ND	---	6.99
13	12/13	---	---	ND	---	6.99
14		---	---	ND	---	3.52
15		---	---	ND	---	6.91
16		20.168	1.11	7.89 J	---	7.33
17		19.652	1.12	8.36 J	---	7.11
18	18/30	---	---	ND	---	15.3
19		---	---	ND	---	4.67
20	20/28	---	---	ND	---	38.5
21	21/33	---	---	ND	---	21.9
22		---	---	ND	---	18.5
23		---	---	ND	---	3.99
24		---	---	ND	---	4.21
25		---	---	ND	---	4.37
26	26/29	---	---	ND	---	8.66
27		---	---	ND	---	4.84
28	20/28	---	---	ND	---	38.5
29	26/29	---	---	ND	---	8.66
30	18/30	---	---	ND	---	15.3
31		---	---	ND	---	32.3
32		20.779	1.13	7.38 J	---	6.97
33	21/33	---	---	ND	---	21.9
34		---	---	ND	---	4.05
35		27.650	1.01	5.82 BJ	---	4.34
36		---	---	ND	---	3.73
37		---	---	ND	---	9.84
38		---	---	ND	---	3.47
39		---	---	ND	---	4.11
40	40/41/71	---	---	ND	---	15.0
41	40/41/71	---	---	ND	---	15.0
42		---	---	ND	---	8.45
43	43/73	---	---	ND	---	14.8
44	44/47/65	---	---	ND	---	32.0

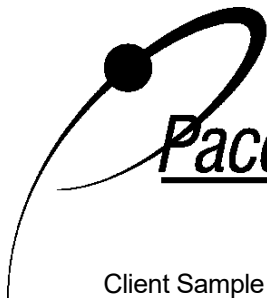
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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-05-32-34-250207
Lab Sample ID 10723332015
Filename P250411B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	---	---	ND	---	9.23
46		---	---	ND	---	4.23
47	44/47/65	---	---	ND	---	32.0
48		---	---	ND	---	5.28
49	49/69	---	---	ND	---	15.4
50	50/53	---	---	ND	---	8.24
51	45/51	---	---	ND	---	9.23
52		25.715	0.80	43.6 BJ	---	29.0
53	50/53	---	---	ND	---	8.24
54		---	---	ND	---	3.96
55		---	---	ND	---	4.34
56		---	---	ND	---	9.69
57		---	---	ND	---	3.94
58		---	---	ND	---	3.52
59	59/62/75	---	---	ND	---	11.6
60		---	---	ND	---	7.91
61	61/70/74/76	---	---	ND	---	33.6
62	59/62/75	---	---	ND	---	11.6
63		---	---	ND	---	3.43
64		---	---	ND	---	12.1
65	44/47/65	---	---	ND	---	32.0
66		---	---	ND	---	20.7
67		---	---	ND	---	3.59
68		---	---	ND	---	3.24
69	49/69	---	---	ND	---	15.4
70	61/70/74/76	---	---	ND	---	33.6
71	40/41/71	---	---	ND	---	15.0
72		---	---	ND	---	3.24
73	43/73	---	---	ND	---	14.8
74	61/70/74/76	---	---	ND	---	33.6
75	59/62/75	---	---	ND	---	11.6
76	61/70/74/76	---	---	ND	---	33.6
77		---	---	ND	---	3.94
78		---	---	ND	---	3.44
79		---	---	ND	---	3.11
80		---	---	ND	---	2.79
81		---	---	ND	---	3.33
82		---	---	ND	---	9.10
83		---	---	ND	---	4.95
84		---	---	ND	---	5.93
85	85/116/117	---	---	ND	---	12.0
86	86/87/97/108/119/125	---	---	ND	---	23.1
87	86/87/97/108/119/125	---	---	ND	---	23.1
88	88/91	---	---	ND	---	7.98

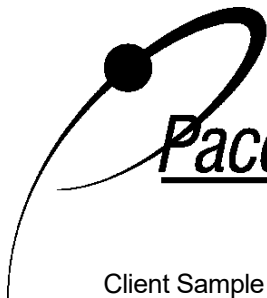
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Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

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Fax: 612- 607-6444

**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-05-32-34-250207
Lab Sample ID 10723332015
Filename P250411B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	4.86
90	90/101/113	---	---	ND	---	14.7
91	88/91	---	---	ND	---	7.98
92		---	---	ND	---	4.62
93	93/98/100/102	---	---	ND	---	16.6
94		---	---	ND	---	4.00
95		---	---	ND	---	19.1
96		---	---	ND	---	5.05
97	86/87/97/108/119/125	---	---	ND	---	23.1
98	93/98/100/102	---	---	ND	---	16.6
99		---	---	ND	---	7.68
100	93/98/100/102	---	---	ND	---	16.6
101	90/101/113	---	---	ND	---	14.7
102	93/98/100/102	---	---	ND	---	16.6
103		---	---	ND	---	4.70
104		---	---	ND	---	3.42
105		---	---	ND	---	5.83
106		---	---	ND	---	3.12
107	107/124	---	---	ND	---	6.63
108	86/87/97/108/119/125	---	---	ND	---	23.1
109		---	---	ND	---	4.07
110	110/115	---	---	ND	---	17.0
111		---	---	ND	---	3.98
112		---	---	ND	---	5.23
113	90/101/113	---	---	ND	---	14.7
114		---	---	ND	---	3.27
115	110/115	---	---	ND	---	17.0
116	85/116/117	---	---	ND	---	12.0
117	85/116/117	---	---	ND	---	12.0
118		---	---	ND	---	10.2
119	86/87/97/108/119/125	---	---	ND	---	23.1
120		---	---	ND	---	4.31
121		---	---	ND	---	4.57
122		---	---	ND	---	3.78
123		---	---	ND	---	4.24
124	107/124	---	---	ND	---	6.63
125	86/87/97/108/119/125	---	---	ND	---	23.1
126		---	---	ND	---	3.76
127		---	---	ND	---	3.42
128	128/166	---	---	ND	---	6.50
129	129/138/163	---	---	ND	---	13.3
130		---	---	ND	---	4.17
131		---	---	ND	---	4.13
132		38.390	1.15	6.81 J	---	4.28

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
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B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

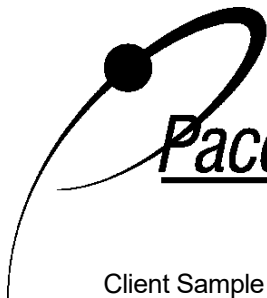
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REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

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Lab Sample ID 10723332015
Filename P250411B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	3.79
134	134/143	---	---	ND	---	6.41
135	135/151	---	---	ND	---	9.31
136		---	---	ND	---	4.84
137		---	---	ND	---	3.62
138	129/138/163	---	---	ND	---	13.3
139	139/140	---	---	ND	---	6.54
140	139/140	---	---	ND	---	6.54
141		---	---	ND	---	3.66
142		---	---	ND	---	3.54
143	134/143	---	---	ND	---	6.41
144		---	---	ND	---	4.40
145		---	---	ND	---	4.39
146		---	---	ND	---	4.14
147	147/149	---	---	ND	---	9.94
148		---	---	ND	---	7.04
149	147/149	---	---	ND	---	9.94
150		---	---	ND	---	3.87
151	135/151	---	---	ND	---	9.31
152		---	---	ND	---	4.95
153	153/168	40.187	1.32	9.01 J	---	8.38
154		---	---	ND	---	4.07
155		32.850	1.10	3.87 J	---	3.17
156	156/157	---	---	ND	---	6.47
157	156/157	---	---	ND	---	6.47
158		---	---	ND	---	3.24
159		---	---	ND	---	4.20
160		---	---	ND	---	3.10
161		---	---	ND	---	2.75
162		---	---	ND	---	3.66
163	129/138/163	---	---	ND	---	13.3
164		---	---	ND	---	4.14
165		---	---	ND	---	3.37
166	128/166	---	---	ND	---	6.50
167		---	---	ND	---	3.92
168	153/168	40.187	1.32	(9.01) J	---	8.38
169		---	---	ND	---	3.47
170		---	---	ND	---	5.22
171	171/173	---	---	ND	---	7.15
172		---	---	ND	---	4.25
173	171/173	---	---	ND	---	7.15
174		---	---	ND	---	5.11
175		---	---	ND	---	3.53
176		---	---	ND	---	4.37

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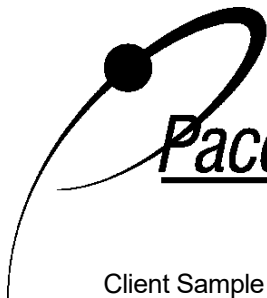
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**Method 1668A Polychlorobiphenyl
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Lab Sample ID 10723332015
Filename P250411B_09

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		---	---	ND	---	4.44
178		---	---	ND	---	4.76
179		---	---	ND	---	4.77
180	180/193	---	---	ND	---	9.43
181		---	---	ND	---	4.04
182		---	---	ND	---	3.93
183	183/185	---	---	ND	---	7.75
184		---	---	ND	---	3.55
185	183/185	---	---	ND	---	7.75
186		---	---	ND	---	4.15
187		---	---	ND	---	4.82
188		---	---	ND	---	3.56
189		---	---	ND	---	4.44
190		---	---	ND	---	4.59
191		---	---	ND	---	3.94
192		---	---	ND	---	4.71
193	180/193	---	---	ND	---	9.43
194		---	---	ND	---	5.07
195		---	---	ND	---	5.14
196		---	---	ND	---	4.78
197	197/200	---	---	ND	---	8.23
198	198/199	---	---	ND	---	8.46
199	198/199	---	---	ND	---	8.46
200	197/200	---	---	ND	---	8.23
201		---	---	ND	---	3.66
202		---	---	ND	---	3.30
203		---	---	ND	---	4.75
204		---	---	ND	---	3.43
205		---	---	ND	---	3.63
206		---	---	ND A	---	5.68
207		---	---	ND	---	4.51
208		---	---	ND A	---	3.56
209		---	---	ND	---	4.70

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Sample Analysis Results**

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Lab Sample ID 10723332015
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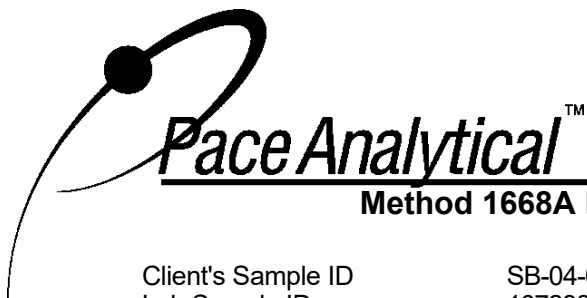
Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	286
Total Trichloro Biphenyls	29.4
Total Tetrachloro Biphenyls	43.6
Total Pentachloro Biphenyls	ND
Total Hexachloro Biphenyls	19.7
Total Heptachloro Biphenyls	ND
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	379

ND = Not Detected

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-04-06-08-250207		
Lab Sample ID	10723332016		
Filename	P250411B_10		
Injected By	AH5		
Total Amount Extracted	20.3 g	Matrix	SOLID
% Moisture	11.8	Dilution	NA
Dry Weight Extracted	17.9 g	Collected	02/07/2025 12:40
ICAL ID	P250411B02	Received	02/10/2025 08:50
CCal Filename(s)	P250411B_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/12/2025 05:13

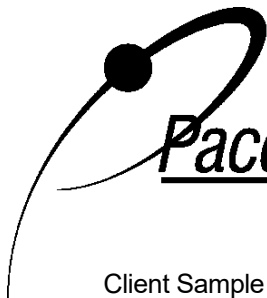
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.836	3.25	2.0	1.63	82
13C-4-MoCB	3	12.731	3.02	2.0	1.74	87
13C-2,2'-DiCB	4	13.042	1.54	2.0	1.49	75
13C-4,4'-DiCB	15	20.295	1.59	2.0	1.45	73
13C-2,2',6-TrCB	19	16.956	1.06	2.0	1.27	63
13C-3,4,4'-TrCB	37	28.164	1.03	2.0	1.56	78
13C-2,2',6,6'-TeCB	54	20.632	0.79	2.0	1.34	67
13C-3,4,4',5-TeCB	81	35.347	0.82	2.0	1.88	94
13C-3,3',4,4'-TeCB	77	35.928	0.82	2.0	1.77	89
13C-2,2',4,6,6'-PeCB	104	26.841	1.52	2.0	1.46	73
13C-2,3,3',4,4'-PeCB	105	39.551	1.51	2.0	2.01	101
13C-2,3,4,4',5-PeCB	114	38.884	1.63	2.0	1.87	93
13C-2,3',4,4',5-PeCB	118	38.337	1.63	2.0	1.90	95
13C-2,3',4,4',5'-PeCB	123	37.995	1.58	2.0	1.90	95
13C-3,3',4,4',5-PeCB	126	42.733	1.61	2.0	1.99	99
13C-2,2',4,4',6,6'-HxCB	155	32.944	1.27	2.0	1.23	62
13C-HxCB (156/157)	156/157	45.800	1.26	4.0	3.02	75
13C-2,3',4,4',5,5'-HxCB	167	44.620	1.25	2.0	1.65	82
13C-3,3',4,4',5,5'-HxCB	169	49.119	1.24	2.0	1.66	83
13C-2,2',3,4',5,6,6'-HpCB	188	38.867	1.06	2.0	1.39	69
13C-2,3,3',4,4',5,5'-HpCB	189	51.657	1.07	2.0	1.56	78
13C-2,2',3,3',5,5',6'-OxCB	202	44.346	0.88	2.0	1.51	75
13C-2,3,3',4,4',5,5',6-OxCB	205	54.278	0.92	2.0	1.40	70
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.032	0.79	2.0	1.46	73
13C-2,2',3,3',4,4',5,5',6'-NoCB	208	51.146	0.81	2.0	1.50	75
13C-DeCB	209	57.654	0.68	2.0	1.40	70
CleanupStandards						
13C-2,4,4'-TrCB	28	23.761	1.06	2.0	1.47	73
13C-2,3,3',5,5'-PeCB	111	35.960	1.62	2.0	1.65	83
13C-2,2',3,3',5,5',6-HpCB	178	41.980	1.03	2.0	1.66	83
Recovery Standards						
13C-2,5-DiCB	9	15.575	1.54	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.793	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.154	1.60	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.536	1.25	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.789	0.93	2.0	NA	NA

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Sample Analysis Results**

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Lab Sample ID 10723332016
Filename P250411B_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	2.36
2		12.516	2.76	3.56 J	---	3.30
3		12.743	3.20	4.27 J	---	4.23
4		---	---	ND A	---	2.66
5		---	---	ND A	---	2.25
6		16.090	1.32	--- JIA	2.07	2.02
7		---	---	ND A	---	1.95
8		16.617	1.52	7.68 BJ	---	3.82
9		---	---	ND A	---	2.20
10		---	---	ND	---	2.15
11		19.592	1.52	152 B	---	61.3
12	12/13	---	---	ND	---	3.30
13	12/13	---	---	ND	---	3.30
14		---	---	ND A	---	2.13
15		20.318	1.42	8.05 J	---	3.26
16		20.248	0.95	7.29 J	---	3.45
17		19.732	1.08	6.90 J	---	3.35
18	18/30	19.240	1.15	13.2 J	---	7.19
19		16.968	0.94	2.78 J	---	2.20
20	20/28	23.793	1.08	32.2 J	---	18.1
21	21/33	24.051	1.10	14.1 J	---	10.3
22		24.487	1.14	10.8 J	---	8.70
23		---	---	ND A	---	2.14
24		---	---	ND	---	1.99
25		23.116	1.16	3.55 JA	---	2.10
26	26/29	22.841	1.10	5.69 J	---	4.08
27		---	---	ND	---	2.28
28	20/28	23.793	1.08	(32.2) J	---	18.1
29	26/29	22.841	1.10	(5.69) J	---	4.08
30	18/30	19.240	1.15	(13.2) J	---	7.19
31		23.454	1.08	25.0 J	---	15.2
32		20.874	1.01	6.06 J	---	3.28
33	21/33	24.051	1.10	(14.1) J	---	10.3
34		---	---	ND A	---	2.26
35		27.745	1.05	4.38 BJA	---	2.34
36		---	---	ND A	---	2.15
37		28.180	0.99	11.4 BJ	---	4.63
38		---	---	ND A	---	2.17
39		---	---	ND A	---	2.22
40	40/41/71	27.987	0.79	22.8 J	---	7.08
41	40/41/71	27.987	0.79	(22.8) J	---	7.08
42		27.471	0.69	9.70 J	---	3.98
43	43/73	---	---	ND	---	6.97
44	44/47/65	26.906	0.78	42.4 B	---	15.1

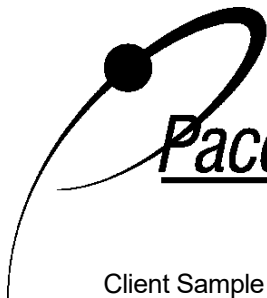
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Lab Sample ID 10723332016
Filename P250411B_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	23.906	0.89	12.7 J	---	4.35
46		24.229	0.86	3.61 JA	---	2.39
47	44/47/65	26.906	0.78	(42.4) B	---	15.1
48		26.680	0.75	5.89 J	---	2.49
49	49/69	26.358	0.81	22.7 J	---	7.25
50	50/53	23.132	0.79	9.60 J	---	3.88
51	45/51	23.906	0.89	(12.7) J	---	4.35
52		25.809	0.78	82.8 B	---	13.7
53	50/53	23.132	0.79	(9.60) J	---	3.88
54		---	---	ND A	---	2.10
55		---	---	ND A	---	2.14
56		32.073	0.77	14.6 B	---	4.57
57		---	---	ND A	---	2.02
58		30.057	0.69	4.64 JA	---	2.00
59	59/62/75	---	---	ND	---	5.49
60		32.315	0.73	7.48 J	---	3.73
61	61/70/74/76	31.009	0.79	62.6 B	---	15.8
62	59/62/75	---	---	ND	---	5.49
63		30.654	0.96	--- JIA	2.08	1.99
64		28.245	0.78	20.7 B	---	5.69
65	44/47/65	26.906	0.78	(42.4) B	---	15.1
66		31.347	0.78	32.9	---	9.76
67		---	---	ND	---	1.69
68		---	---	ND A	---	1.86
69	49/69	26.358	0.81	(22.7) J	---	7.25
70	61/70/74/76	31.009	0.79	(62.6) B	---	15.8
71	40/41/71	27.987	0.79	(22.8) J	---	7.08
72		---	---	ND A	---	1.90
73	43/73	---	---	ND	---	6.97
74	61/70/74/76	31.009	0.79	(62.6) B	---	15.8
75	59/62/75	---	---	ND	---	5.49
76	61/70/74/76	31.009	0.79	(62.6) B	---	15.8
77		35.944	0.74	7.25 JA	---	2.09
78		---	---	ND A	---	2.30
79		---	---	ND A	---	1.89
80		---	---	ND A	---	1.61
81		---	---	ND A	---	1.83
82		35.557	1.74	17.1	---	4.29
83		33.670	1.51	11.4 JA	---	3.04
84		31.218	1.66	38.4	---	2.79
85	85/116/117	35.057	1.69	21.3 J	---	5.63
86	86/87/97/108/119/125	34.363	1.54	79.6 J	---	10.9
87	86/87/97/108/119/125	34.363	1.54	(79.6) J	---	10.9
88	88/91	30.993	1.46	23.0 J	---	3.76

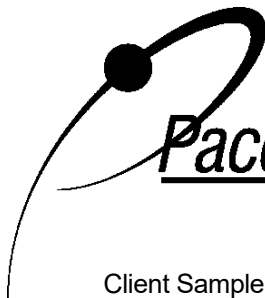
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

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Lab Sample ID 10723332016
Filename P250411B_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND A	---	2.83
90	90/101/113	33.186	1.58	113	---	6.92
91	88/91	30.993	1.46	(23.0) J	---	3.76
92		32.589	1.51	30.7 A	---	2.64
93	93/98/100/102	---	---	ND	---	7.81
94		---	---	ND A	---	2.39
95		30.057	1.55	149	---	8.98
96		---	---	ND	---	2.38
97	86/87/97/108/119/125	34.363	1.54	(79.6) J	---	10.9
98	93/98/100/102	---	---	ND	---	7.81
99		33.783	1.54	50.8	---	3.62
100	93/98/100/102	---	---	ND	---	7.81
101	90/101/113	33.186	1.58	(113)	---	6.92
102	93/98/100/102	---	---	ND	---	7.81
103		---	---	ND A	---	2.23
104		---	---	ND A	---	2.11
105		39.568	1.54	37.2	---	2.75
106		---	---	ND A	---	1.74
107	107/124	37.635	1.61	5.98 J	---	3.12
108	86/87/97/108/119/125	34.363	1.54	(79.6) J	---	10.9
109		37.892	1.46	6.67 J	---	1.92
110	110/115	35.235	1.60	173	---	8.03
111		---	---	ND	---	1.87
112		---	---	ND	---	2.47
113	90/101/113	33.186	1.58	(113)	---	6.92
114		38.901	1.42	2.79 JA	---	1.63
115	110/115	35.235	1.60	(173)	---	8.03
116	85/116/117	35.057	1.69	(21.3) J	---	5.63
117	85/116/117	35.057	1.69	(21.3) J	---	5.63
118		38.354	1.60	87.4	---	4.79
119	86/87/97/108/119/125	34.363	1.54	(79.6) J	---	10.9
120		---	---	ND	---	2.03
121		---	---	ND	---	2.15
122		---	---	ND A	---	2.17
123		38.029	1.24	---	2.60	2.00
124	107/124	37.635	1.61	(5.98) J	---	3.12
125	86/87/97/108/119/125	34.363	1.54	(79.6) J	---	10.9
126		---	---	ND	---	1.77
127		---	---	ND A	---	1.72
128	128/166	42.870	1.19	43.5	---	3.06
129	129/138/163	41.570	1.28	292	---	6.25
130		40.903	1.24	21.7 A	---	3.30
131		37.995	1.12	6.05 JA	---	3.54
132		38.457	1.28	113 A	---	3.24

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

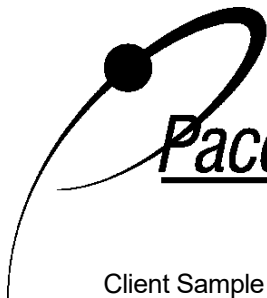
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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-06-08-250207
Lab Sample ID 10723332016
Filename P250411B_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		38.970	1.20	5.25 JA	---	3.20
134	134/143	37.362	1.18	19.9 JA	---	3.40
135	135/151	36.202	1.25	139	---	4.39
136		33.686	1.20	47.8	---	2.28
137		41.125	1.22	13.0 JA	---	3.25
138	129/138/163	41.570	1.28	(292)	---	6.25
139	139/140	37.789	1.12	4.48 J	---	3.08
140	139/140	37.789	1.12	(4.48) J	---	3.08
141		40.475	1.21	46.4 A	---	2.64
142		---	---	ND A	---	3.53
143	134/143	37.362	1.18	(19.9) JA	---	3.40
144		36.783	1.03	--- IA	17.7	2.37
145		---	---	ND	---	2.07
146		39.637	1.20	42.8 A	---	2.41
147	147/149	37.156	1.27	257	---	4.68
148		---	---	ND	---	3.32
149	147/149	37.156	1.27	(257)	---	4.68
150		---	---	ND	---	1.82
151	135/151	36.202	1.25	(139)	---	4.39
152		---	---	ND	---	2.33
153	153/168	40.287	1.24	190	---	3.95
154		36.477	1.21	3.29 J	---	1.92
155		---	---	ND A	---	1.49
156	156/157	45.817	1.25	22.7 J	---	3.05
157	156/157	45.817	1.25	(22.7) J	---	3.05
158		41.980	1.21	29.0 A	---	1.85
159		---	---	ND A	---	2.24
160		---	---	ND A	---	2.32
161		---	---	ND A	---	2.24
162		---	---	ND A	---	2.30
163	129/138/163	41.570	1.28	(292)	---	6.25
164		41.245	1.24	22.8	---	1.95
165		---	---	ND A	---	2.42
166	128/166	42.870	1.19	(43.5)	---	3.06
167		44.654	1.22	11.4 JA	---	2.02
168	153/168	40.287	1.24	(190)	---	3.95
169		---	---	ND A	---	2.15
170		48.520	1.06	120 A	---	2.76
171	171/173	44.911	1.10	38.6	---	3.37
172		46.553	1.01	25.9 A	---	2.76
173	171/173	44.911	1.10	(38.6)	---	3.37
174		43.816	1.05	131	---	2.41
175		42.665	1.05	7.80 JA	---	2.33
176		40.150	0.98	18.4	---	2.06

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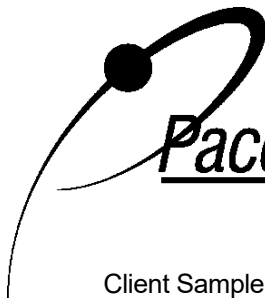
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-06-08-250207
Lab Sample ID 10723332016
Filename P250411B_10

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		44.261	1.05	80.2 A	---	2.80
178		42.015	1.06	29.8 A	---	2.51
179		39.226	1.02	56.9	---	2.25
180	180/193	47.220	1.04	282	---	4.44
181		---	---	ND A	---	2.68
182		---	---	ND A	---	2.05
183	183/185	43.576	1.01	99.2	---	3.65
184		39.791	0.90	2.32 JA	---	1.69
185	183/185	43.576	1.01	(99.2)	---	3.65
186		---	---	ND	---	1.96
187		42.938	1.07	166	---	2.27
188		---	---	ND A	---	1.74
189		51.679	1.16	4.72 J	---	2.09
190		49.068	1.11	21.1	---	2.16
191		47.597	0.98	5.46 JA	---	2.00
192		---	---	ND A	---	2.25
193	180/193	47.220	1.04	(282)	---	4.44
194		53.811	0.90	64.1	---	2.39
195		51.434	0.87	27.6	---	2.42
196		49.889	0.88	36.9 A	---	2.60
197	197/200	46.348	0.90	13.8 J	---	3.88
198	198/199	49.204	0.93	82.2	---	3.99
199	198/199	49.204	0.93	(82.2)	---	3.99
200	197/200	46.348	0.90	(13.8) J	---	3.88
201		45.321	0.84	10.4 JA	---	1.86
202		44.380	0.82	14.3 A	---	1.72
203		50.094	0.85	50.5 A	---	2.46
204		---	---	ND A	---	1.96
205		54.300	0.91	3.55 J	---	1.71
206		56.055	0.78	36.9 A	---	4.25
207		52.123	0.85	6.07 JA	---	2.68
208		51.168	0.73	12.3 JA	---	2.50
209		57.654	0.68	34.8 A	---	2.82

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-04-06-08-250207
Lab Sample ID 10723332016
Filename P250411B_10

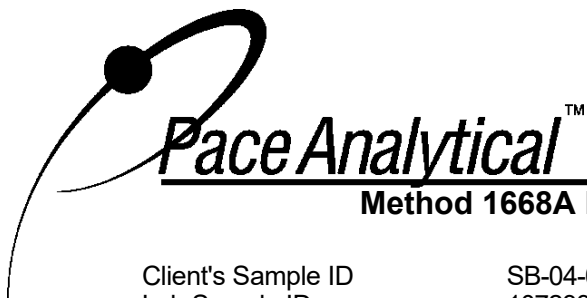
Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	7.83
Total Dichloro Biphenyls	168
Total Trichloro Biphenyls	143
Total Tetrachloro Biphenyls	362
Total Pentachloro Biphenyls	848
Total Hexachloro Biphenyls	1330
Total Heptachloro Biphenyls	1090
Total Octachloro Biphenyls	303
Total Nonachloro Biphenyls	55.3
Decachloro Biphenyls	34.8
Total PCBs	4340

ND = Not Detected

Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-04-08-10-250207		
Lab Sample ID	10723332017		
Filename	P250411B_11		
Injected By	AH5		
Total Amount Extracted	10.9 g	Matrix	SOLID
% Moisture	11.3	Dilution	NA
Dry Weight Extracted	9.70 g	Collected	02/07/2025 12:45
ICAL ID	P250411B02	Received	02/10/2025 08:50
CCal Filename(s)	P250411B_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/12/2025 06:15

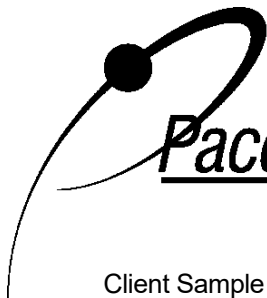
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.872	2.72	2.0	1.42	71
13C-4-MoCB	3	12.780	3.08	2.0	1.49	74
13C-2,2'-DiCB	4	13.103	1.45	2.0	1.30	65
13C-4,4'-DiCB	15	20.273	1.58	2.0	1.83	92
13C-2,2',6-TrCB	19	17.005	1.04	2.0	1.02	51
13C-3,4,4'-TrCB	37	28.102	1.10	2.0	1.79	89
13C-2,2',6,6'-TeCB	54	20.650	0.79	2.0	1.14	57
13C-3,4,4',5-TeCB	81	35.270	0.80	2.0	1.86	93
13C-3,3',4,4'-TeCB	77	35.883	0.80	2.0	1.91	95
13C-2,2',4,6,6'-PeCB	104	26.779	1.69	2.0	1.28	64
13C-2,3,3',4,4'-PeCB	105	39.487	1.60	2.0	1.78	89
13C-2,3,4,4',5-PeCB	114	38.820	1.60	2.0	1.76	88
13C-2,3',4,4',5-PeCB	118	38.272	1.59	2.0	1.78	89
13C-2,3',4,4',5'-PeCB	123	37.930	1.59	2.0	1.73	87
13C-3,3',4,4',5-PeCB	126	42.653	1.57	2.0	1.80	90
13C-2,2',4,4',6,6'-HxCB	155	32.850	1.24	2.0	1.48	74
13C-HxCB (156/157)	156/157	45.738	1.30	4.0	3.58	89
13C-2,3',4,4',5,5'-HxCB	167	44.557	1.27	2.0	1.79	89
13C-3,3',4,4',5,5'-HxCB	169	49.040	1.23	2.0	1.85	92
13C-2,2',3,4',5,6,6'-HpCB	188	38.803	1.05	2.0	1.40	70
13C-2,3,3',4,4',5,5'-HpCB	189	51.602	1.03	2.0	1.58	79
13C-2,2',3,3',5,5',6,6'-OxCB	202	44.300	0.89	2.0	1.44	72
13C-2,3,3',4,4',5,5',6-OxCB	205	54.224	0.90	2.0	1.46	73
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.958	0.81	2.0	1.42	71
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.091	0.83	2.0	1.49	75
13C-DeCB	209	57.580	0.75	2.0	1.31	65
CleanupStandards						
13C-2,4,4'-TrCB	28	23.715	1.10	2.0	1.55	77
13C-2,3,3',5,5'-PeCB	111	35.931	1.58	2.0	1.42	71
13C-2,2',3,3',5,5',6-HpCB	178	41.917	1.01	2.0	1.48	74
Recovery Standards						
13C-2,5-DiCB	9	15.752	1.57	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.731	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.076	1.64	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.472	1.28	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.735	0.92	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-08-10-250207
Lab Sample ID 10723332017
Filename P250411B_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	4.37
2		---	---	ND	---	6.10
3		---	---	ND	---	7.82
4		---	---	ND A	---	6.70
5		---	---	ND	---	3.29
6		16.185	1.40	3.21 J	---	3.08
7		---	---	ND	---	2.87
8		16.677	1.57	9.85 BJ	---	7.06
9		---	---	ND	---	3.38
10		---	---	ND	---	3.98
11		19.582	1.55	229 BJ	---	113
12	12/13	---	---	ND	---	6.09
13	12/13	---	---	ND	---	6.09
14		---	---	ND	---	3.06
15		20.297	1.50	6.25 J	---	6.02
16		20.238	1.26	--- JI	7.32	6.38
17		19.723	1.14	8.87 J	---	6.20
18	18/30	19.231	0.97	14.6 J	---	13.3
19		---	---	ND	---	4.07
20	20/28	23.731	1.09	34.4 J	---	33.5
21	21/33	---	---	ND	---	19.1
22		---	---	ND	---	16.1
23		---	---	ND	---	3.48
24		---	---	ND	---	3.67
25		---	---	ND	---	3.81
26	26/29	---	---	ND	---	7.55
27		---	---	ND	---	4.22
28	20/28	23.731	1.09	(34.4) J	---	33.5
29	26/29	---	---	ND	---	7.55
30	18/30	19.231	0.97	(14.6) J	---	13.3
31		---	---	ND	---	28.2
32		20.844	1.16	7.38 J	---	6.07
33	21/33	---	---	ND	---	19.1
34		---	---	ND	---	3.53
35		27.683	1.17	5.45 BJ	---	3.78
36		---	---	ND	---	3.25
37		---	---	ND	---	8.57
38		---	---	ND	---	3.02
39		---	---	ND	---	3.58
40	40/41/71	---	---	ND	---	13.1
41	40/41/71	---	---	ND	---	13.1
42		---	---	ND	---	7.36
43	43/73	---	---	ND	---	12.9
44	44/47/65	---	---	ND	---	27.8

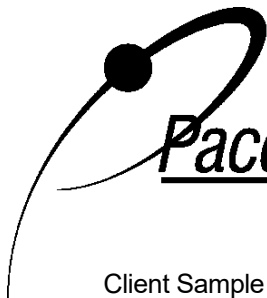
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Method 1668A Polychlorobiphenyl Sample Analysis Results

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Lab Sample ID 10723332017
Filename P250411B_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	23.892	0.89	10.0 J	---	8.04
46		---	---	ND	---	3.68
47	44/47/65	---	---	ND	---	27.8
48		26.602	0.71	4.74 J	---	4.60
49	49/69	---	---	ND	---	13.4
50	50/53	---	---	ND	---	7.18
51	45/51	23.892	0.89	(10.0) J	---	8.04
52		25.747	0.78	44.6 BJ	---	25.3
53	50/53	---	---	ND	---	7.18
54		---	---	ND	---	3.45
55		---	---	ND	---	3.78
56		---	---	ND	---	8.45
57		---	---	ND	---	3.43
58		---	---	ND	---	3.06
59	59/62/75	---	---	ND	---	10.1
60		---	---	ND	---	6.89
61	61/70/74/76	30.931	0.76	29.9 BJ	---	29.3
62	59/62/75	---	---	ND	---	10.1
63		---	---	ND	---	2.99
64		---	---	ND	---	10.5
65	44/47/65	---	---	ND	---	27.8
66		---	---	ND	---	18.0
67		---	---	ND	---	3.12
68		---	---	ND	---	2.83
69	49/69	---	---	ND	---	13.4
70	61/70/74/76	30.931	0.76	(29.9) BJ	---	29.3
71	40/41/71	---	---	ND	---	13.1
72		---	---	ND	---	2.83
73	43/73	---	---	ND	---	12.9
74	61/70/74/76	30.931	0.76	(29.9) BJ	---	29.3
75	59/62/75	---	---	ND	---	10.1
76	61/70/74/76	30.931	0.76	(29.9) BJ	---	29.3
77		---	---	ND	---	3.43
78		---	---	ND	---	3.00
79		---	---	ND	---	2.71
80		---	---	ND	---	2.43
81		---	---	ND	---	2.90
82		---	---	ND	---	7.93
83		---	---	ND	---	4.31
84		31.141	1.46	6.26 J	---	5.17
85	85/116/117	---	---	ND	---	10.4
86	86/87/97/108/119/125	---	---	ND	---	20.1
87	86/87/97/108/119/125	---	---	ND	---	20.1
88	88/91	---	---	ND	---	6.95

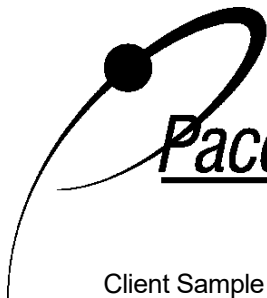
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I = Interference
ng's = Nanograms

Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-08-10-250207
Lab Sample ID 10723332017
Filename P250411B_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	4.24
90	90/101/113	33.109	1.49	24.5 J	---	12.8
91	88/91	---	---	ND	---	6.95
92		32.479	1.44	5.30 J	---	4.02
93	93/98/100/102	---	---	ND	---	14.4
94		---	---	ND	---	3.49
95		29.995	1.39	26.0 J	---	16.6
96		---	---	ND	---	4.40
97	86/87/97/108/119/125	---	---	ND	---	20.1
98	93/98/100/102	---	---	ND	---	14.4
99		33.738	1.62	8.31 J	---	6.69
100	93/98/100/102	---	---	ND	---	14.4
101	90/101/113	33.109	1.49	(24.5) J	---	12.8
102	93/98/100/102	---	---	ND	---	14.4
103		---	---	ND	---	4.09
104		---	---	ND	---	2.98
105		39.521	1.57	6.56 J	---	5.08
106		---	---	ND	---	2.72
107	107/124	---	---	ND	---	5.77
108	86/87/97/108/119/125	---	---	ND	---	20.1
109		---	---	ND	---	3.55
110	110/115	35.173	1.56	25.1 BJ	---	14.8
111		---	---	ND	---	3.46
112		---	---	ND	---	4.56
113	90/101/113	33.109	1.49	(24.5) J	---	12.8
114		---	---	ND	---	2.85
115	110/115	35.173	1.56	(25.1) BJ	---	14.8
116	85/116/117	---	---	ND	---	10.4
117	85/116/117	---	---	ND	---	10.4
118		38.289	1.57	14.4 BJ	---	8.85
119	86/87/97/108/119/125	---	---	ND	---	20.1
120		---	---	ND	---	3.75
121		---	---	ND	---	3.98
122		---	---	ND	---	3.29
123		---	---	ND	---	3.69
124	107/124	---	---	ND	---	5.77
125	86/87/97/108/119/125	---	---	ND	---	20.1
126		---	---	ND	---	3.28
127		---	---	ND	---	2.98
128	128/166	---	---	ND	---	5.66
129	129/138/163	41.506	1.24	37.7 J	---	11.5
130		40.822	1.22	4.12 JA	---	3.76
131		---	---	ND A	---	4.04
132		38.392	1.14	12.8 J	---	3.73

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

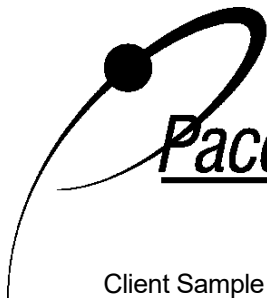
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-08-10-250207
Lab Sample ID 10723332017
Filename P250411B_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND A	---	3.65
134	134/143	---	---	ND	---	5.59
135	135/151	36.174	1.26	19.9 J	---	8.12
136		33.625	1.21	7.28 J	---	4.22
137		---	---	ND A	---	3.70
138	129/138/163	41.506	1.24	(37.7) J	---	11.5
139	139/140	---	---	ND	---	5.70
140	139/140	---	---	ND	---	5.70
141		40.411	1.30	8.96 J	---	3.19
142		---	---	ND A	---	4.03
143	134/143	---	---	ND	---	5.59
144		---	---	ND	---	3.84
145		---	---	ND	---	3.83
146		39.573	1.32	5.70 J	---	3.61
147	147/149	37.109	1.16	34.1 J	---	8.66
148		---	---	ND	---	6.14
149	147/149	37.109	1.16	(34.1) J	---	8.66
150		---	---	ND	---	3.37
151	135/151	36.174	1.26	(19.9) J	---	8.12
152		---	---	ND	---	4.31
153	153/168	40.223	1.34	32.9 J	---	7.30
154		---	---	ND	---	3.55
155		32.883	1.05	3.59 J	---	2.76
156	156/157	---	---	ND	---	5.64
157	156/157	---	---	ND	---	5.64
158		41.900	1.19	3.37 J	---	2.83
159		---	---	ND	---	3.66
160		---	---	ND	---	2.70
161		---	---	ND A	---	2.56
162		---	---	ND	---	3.19
163	129/138/163	41.506	1.24	(37.7) J	---	11.5
164		41.181	1.43	3.66 J	---	3.61
165		---	---	ND	---	2.94
166	128/166	---	---	ND	---	5.66
167		---	---	ND	---	3.41
168	153/168	40.223	1.34	(32.9) J	---	7.30
169		---	---	ND	---	3.02
170		48.458	1.07	15.2 J	---	4.55
171	171/173	---	---	ND	---	6.23
172		---	---	ND	---	3.70
173	171/173	---	---	ND	---	6.23
174		43.753	0.99	16.5 J	---	4.45
175		---	---	ND A	---	3.60
176		---	---	ND	---	3.81

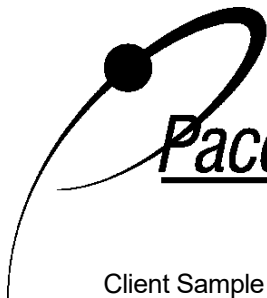
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-08-10-250207
Lab Sample ID 10723332017
Filename P250411B_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		44.197	1.10	9.68 J	---	3.87
178		---	---	ND	---	4.15
179		39.162	1.22	--- JI	6.84	4.16
180	180/193	47.175	1.06	33.0 J	---	8.22
181		---	---	ND	---	3.52
182		---	---	ND	---	3.42
183	183/185	43.530	1.03	14.0 J	---	6.75
184		---	---	ND	---	3.09
185	183/185	43.530	1.03	(14.0) J	---	6.75
186		---	---	ND	---	3.62
187		42.875	1.12	18.8 J	---	4.20
188		---	---	ND	---	3.10
189		---	---	ND	---	3.87
190		---	---	ND	---	4.00
191		---	---	ND	---	3.43
192		---	---	ND	---	4.10
193	180/193	47.175	1.06	(33.0) J	---	8.22
194		53.758	1.24	--- JI	6.52	4.41
195		51.402	2.28	--- JI	10.1	4.48
196		49.827	0.99	7.30 JA	---	4.81
197	197/200	---	---	ND	---	7.17
198	198/199	49.160	0.99	9.93 J	---	7.37
199	198/199	49.160	0.99	(9.93) J	---	7.37
200	197/200	---	---	ND	---	7.17
201		---	---	ND A	---	3.45
202		44.334	0.79	3.38 JA	---	3.27
203		50.033	0.88	9.65 JA	---	4.56
204		---	---	ND A	---	3.63
205		---	---	ND A	---	3.40
206		---	---	ND	---	4.62
207		---	---	ND	---	3.93
208		---	---	ND	---	3.10
209		---	---	ND A	---	4.50

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-08-10-250207
Lab Sample ID 10723332017
Filename P250411B_11

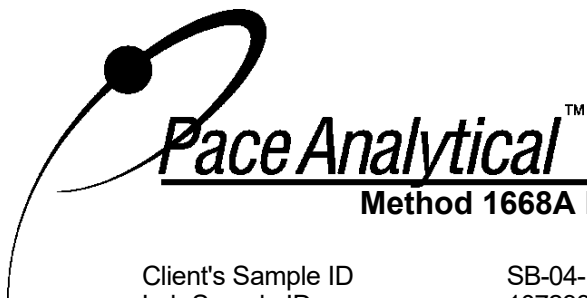
Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	249
Total Trichloro Biphenyls	70.7
Total Tetrachloro Biphenyls	89.3
Total Pentachloro Biphenyls	116
Total Hexachloro Biphenyls	174
Total Heptachloro Biphenyls	107
Total Octachloro Biphenyls	30.3
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	837

ND = Not Detected

Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-04-17-19-250207		
Lab Sample ID	10723332018		
Filename	P250411B_12		
Injected By	AH5		
Total Amount Extracted	13.4 g	Matrix	SOLID
% Moisture	12.1	Dilution	NA
Dry Weight Extracted	11.7 g	Collected	02/07/2025 12:50
ICAL ID	P250411B02	Received	02/10/2025 08:50
CCal Filename(s)	P250411B_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/12/2025 07:17

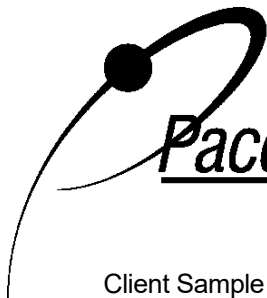
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.847	2.74	2.0	1.32	66
13C-4-MoCB	3	12.743	3.45	2.0	1.37	68
13C-2,2'-DiCB	4	13.054	1.59	2.0	1.31	66
13C-4,4'-DiCB	15	20.271	1.61	2.0	1.61	80
13C-2,2',6-TrCB	19	16.945	1.06	2.0	1.19	59
13C-3,4,4'-TrCB	37	28.115	1.03	2.0	1.69	84
13C-2,2',6,6'-TeCB	54	20.615	0.82	2.0	1.30	65
13C-3,4,4',5-TeCB	81	35.299	0.83	2.0	1.97	99
13C-3,3',4,4'-TeCB	77	35.879	0.82	2.0	1.80	90
13C-2,2',4,6,6'-PeCB	104	26.793	1.59	2.0	1.31	66
13C-2,3,3',4,4'-PeCB	105	39.500	1.59	2.0	1.85	92
13C-2,3,4,4',5-PeCB	114	38.850	1.61	2.0	1.82	91
13C-2,3',4,4',5-PeCB	118	38.285	1.55	2.0	1.85	92
13C-2,3',4,4',5'-PeCB	123	37.943	1.53	2.0	1.81	91
13C-3,3',4,4',5-PeCB	126	42.682	1.62	2.0	1.87	93
13C-2,2',4,4',6,6'-HxCB	155	32.895	1.27	2.0	1.31	65
13C-HxCB (156/157)	156/157	45.766	1.29	4.0	2.94	73
13C-2,3',4,4',5,5'-HxCB	167	44.586	1.27	2.0	1.62	81
13C-3,3',4,4',5,5'-HxCB	169	49.085	1.30	2.0	1.57	79
13C-2,2',3,4',5,6,6'-HpCB	188	38.815	0.98	2.0	1.43	71
13C-2,3,3',4,4',5,5'-HpCB	189	51.635	1.08	2.0	1.54	77
13C-2,2',3,3',5,5',6,6'-OxCB	202	44.312	0.95	2.0	1.48	74
13C-2,3,3',4,4',5,5',6-OxCB	205	54.256	0.88	2.0	1.39	69
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.011	0.78	2.0	1.32	66
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.124	0.81	2.0	1.40	70
13C-DeCB	209	57.632	0.75	2.0	1.33	67
CleanupStandards						
13C-2,4,4'-TrCB	28	23.728	1.10	2.0	1.59	79
13C-2,3,3',5,5'-PeCB	111	35.911	1.57	2.0	1.54	77
13C-2,2',3,3',5,5',6-HpCB	178	41.946	1.08	2.0	1.50	75
Recovery Standards						
13C-2,5-DiCB	9	15.575	1.54	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.744	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.105	1.61	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.501	1.25	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.767	0.92	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-17-19-250207
Lab Sample ID 10723332018
Filename P250411B_12

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	3.62
2		---	---	ND	---	5.05
3		---	---	ND	---	6.46
4		13.066	1.43	6.48 J	---	3.92
5		---	---	ND	---	2.72
6		16.078	1.32	---	2.90	2.55
7		---	---	ND	---	2.37
8		16.617	1.56	9.98 BJ	---	5.84
9		---	---	ND	---	2.80
10		---	---	ND	---	3.29
11		19.569	1.61	210 B	---	93.8
12	12/13	---	---	ND	---	5.04
13	12/13	---	---	ND	---	5.04
14		---	---	ND	---	2.53
15		20.295	1.34	9.85 J	---	4.98
16		20.224	0.97	7.84 J	---	5.28
17		19.709	0.93	7.27 J	---	5.12
18	18/30	19.217	1.10	13.6 J	---	11.0
19		---	---	ND A	---	3.90
20	20/28	23.761	1.06	41.0 J	---	27.7
21	21/33	24.019	0.98	19.7 J	---	15.8
22		24.454	0.95	14.2 J	---	13.3
23		---	---	ND	---	2.87
24		---	---	ND	---	3.04
25		---	---	ND	---	3.15
26	26/29	---	---	ND	---	6.24
27		---	---	ND	---	3.49
28	20/28	23.761	1.06	(41.0) J	---	27.7
29	26/29	---	---	ND	---	6.24
30	18/30	19.217	1.10	(13.6) J	---	11.0
31		23.422	0.99	32.7 J	---	23.3
32		20.841	1.08	6.95 J	---	5.02
33	21/33	24.019	0.98	(19.7) J	---	15.8
34		---	---	ND	---	2.92
35		27.696	0.95	5.50 BJ	---	3.13
36		---	---	ND	---	2.69
37		28.148	1.08	13.4 BJ	---	7.09
38		---	---	ND	---	2.50
39		---	---	ND	---	2.96
40	40/41/71	27.954	0.87	23.2 J	---	10.8
41	40/41/71	27.954	0.87	(23.2) J	---	10.8
42		27.438	0.81	11.1 J	---	6.09
43	43/73	---	---	ND	---	10.7
44	44/47/65	26.874	0.81	42.4 BJ	---	23.0

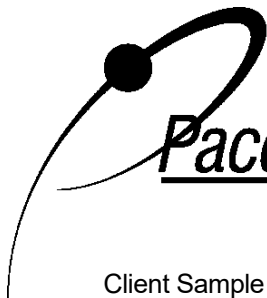
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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-04-17-19-250207
Lab Sample ID 10723332018
Filename P250411B_12

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	23.874	0.82	13.9 J	---	6.65
46		24.196	0.85	4.25 J	---	3.04
47	44/47/65	26.874	0.81	(42.4) BJ	---	23.0
48		26.632	0.98	--- JI	6.90	3.80
49	49/69	26.309	0.75	21.7 J	---	11.1
50	50/53	23.099	0.82	8.69 J	---	5.93
51	45/51	23.874	0.82	(13.9) J	---	6.65
52		25.777	0.74	75.6 BJ	---	20.9
53	50/53	23.099	0.82	(8.69) J	---	5.93
54		---	---	ND	---	2.86
55		---	---	ND	---	3.13
56		32.024	0.76	17.5 BJ	---	6.98
57		---	---	ND	---	2.84
58		---	---	ND	---	2.53
59	59/62/75	---	---	ND	---	8.39
60		32.266	0.73	9.56 J	---	5.70
61	61/70/74/76	30.960	0.76	62.3 BJ	---	24.2
62	59/62/75	---	---	ND	---	8.39
63		---	---	ND	---	2.47
64		28.212	0.79	21.3 B	---	8.70
65	44/47/65	26.874	0.81	(42.4) BJ	---	23.0
66		31.299	0.78	35.4 J	---	14.9
67		---	---	ND	---	2.58
68		---	---	ND	---	2.34
69	49/69	26.309	0.75	(21.7) J	---	11.1
70	61/70/74/76	30.960	0.76	(62.3) BJ	---	24.2
71	40/41/71	27.954	0.87	(23.2) J	---	10.8
72		---	---	ND	---	2.34
73	43/73	---	---	ND	---	10.7
74	61/70/74/76	30.960	0.76	(62.3) BJ	---	24.2
75	59/62/75	---	---	ND	---	8.39
76	61/70/74/76	30.960	0.76	(62.3) BJ	---	24.2
77		35.895	0.83	5.81 J	---	2.84
78		---	---	ND	---	2.48
79		---	---	ND	---	2.24
80		---	---	ND	---	2.01
81		---	---	ND	---	2.40
82		35.524	1.66	14.1 J	---	6.56
83		33.621	1.74	10.5 J	---	3.56
84		31.170	1.52	30.7	---	4.27
85	85/116/117	35.008	1.72	19.3 J	---	8.61
86	86/87/97/108/119/125	34.315	1.51	70.5 J	---	16.6
87	86/87/97/108/119/125	34.315	1.51	(70.5) J	---	16.6
88	88/91	30.944	1.57	18.8 J	---	5.75

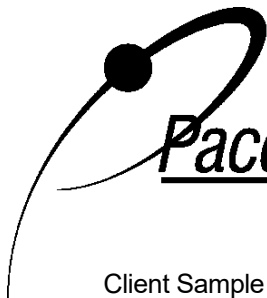
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B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference
ng's = Nanograms

Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-04-17-19-250207
Lab Sample ID 10723332018
Filename P250411B_12

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	3.50
90	90/101/113	33.137	1.60	104	---	10.6
91	88/91	30.944	1.57	(18.8) J	---	5.75
92		32.524	1.47	28.2	---	3.33
93	93/98/100/102	---	---	ND	---	11.9
94		---	---	ND	---	2.88
95		30.008	1.54	131	---	13.7
96		---	---	ND	---	3.64
97	86/87/97/108/119/125	34.315	1.51	(70.5) J	---	16.6
98	93/98/100/102	---	---	ND	---	11.9
99		33.750	1.52	43.8	---	5.53
100	93/98/100/102	---	---	ND	---	11.9
101	90/101/113	33.137	1.60	(104)	---	10.6
102	93/98/100/102	---	---	ND	---	11.9
103		---	---	ND	---	3.38
104		---	---	ND	---	2.46
105		39.534	1.59	31.3	---	4.20
106		---	---	ND	---	2.25
107	107/124	---	---	ND	---	4.77
108	86/87/97/108/119/125	34.315	1.51	(70.5) J	---	16.6
109		37.840	1.53	4.84 J	---	2.93
110	110/115	35.186	1.59	153	---	12.3
111		---	---	ND	---	2.86
112		---	---	ND	---	3.77
113	90/101/113	33.137	1.60	(104)	---	10.6
114		38.867	1.48	2.44 J	---	2.35
115	110/115	35.186	1.59	(153)	---	12.3
116	85/116/117	35.008	1.72	(19.3) J	---	8.61
117	85/116/117	35.008	1.72	(19.3) J	---	8.61
118		38.319	1.54	71.9	---	7.32
119	86/87/97/108/119/125	34.315	1.51	(70.5) J	---	16.6
120		---	---	ND	---	3.10
121		---	---	ND	---	3.29
122		---	---	ND	---	2.72
123		---	---	ND	---	3.05
124	107/124	---	---	ND	---	4.77
125	86/87/97/108/119/125	34.315	1.51	(70.5) J	---	16.6
126		---	---	ND	---	2.71
127		---	---	ND	---	2.46
128	128/166	42.819	1.27	28.6 J	---	4.68
129	129/138/163	41.519	1.22	265	---	9.55
130		40.851	1.37	18.1 J	---	3.00
131		37.943	1.13	3.75 J	---	2.98
132		38.422	1.29	101	---	3.09

Conc = Concentration
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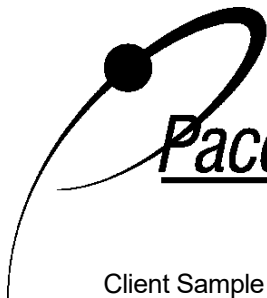
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Pace AnalyticalTM

Pace Analytical Services, LLC
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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-04-17-19-250207
Lab Sample ID 10723332018
Filename P250411B_12

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		38.935	1.23	6.63 J	---	2.73
134	134/143	37.327	1.28	17.5 J	---	4.62
135	135/151	36.153	1.30	124	---	6.71
136		33.637	1.32	42.8	---	3.49
137		41.091	1.25	11.8 JA	---	2.70
138	129/138/163	41.519	1.22	(265)	---	9.55
139	139/140	---	---	ND	---	4.71
140	139/140	---	---	ND	---	4.71
141		40.440	1.30	44.1	---	2.63
142		---	---	ND A	---	2.94
143	134/143	37.327	1.28	(17.5) J	---	4.62
144		36.734	1.17	17.5 J	---	3.17
145		---	---	ND	---	3.16
146		39.602	1.24	36.8	---	2.98
147	147/149	37.122	1.25	239	---	7.16
148		---	---	ND	---	5.07
149	147/149	37.122	1.25	(239)	---	7.16
150		---	---	ND	---	2.79
151	135/151	36.153	1.30	(124)	---	6.71
152		---	---	ND	---	3.56
153	153/168	40.235	1.28	179	---	6.04
154		---	---	ND	---	2.93
155		32.911	1.26	2.77 J	---	2.29
156	156/157	45.783	1.35	20.1 J	---	4.66
157	156/157	45.783	1.35	(20.1) J	---	4.66
158		41.929	1.15	25.2	---	2.34
159		---	---	ND	---	3.03
160		---	---	ND	---	2.23
161		---	---	ND	---	1.98
162		---	---	ND A	---	2.64
163	129/138/163	41.519	1.22	(265)	---	9.55
164		41.193	1.22	19.4 J	---	2.98
165		---	---	ND	---	2.43
166	128/166	42.819	1.27	(28.6) J	---	4.68
167		44.603	1.24	10.0 J	---	2.82
168	153/168	40.235	1.28	(179)	---	6.04
169		---	---	ND A	---	2.60
170		48.486	1.04	110	---	3.76
171	171/173	44.894	1.10	34.8 J	---	5.15
172		46.519	1.17	22.9 A	---	3.69
173	171/173	44.894	1.10	(34.8) J	---	5.15
174		43.782	1.01	119	---	3.68
175		42.631	0.94	6.64 JA	---	3.58
176		40.098	1.09	16.6 J	---	3.15

Conc = Concentration
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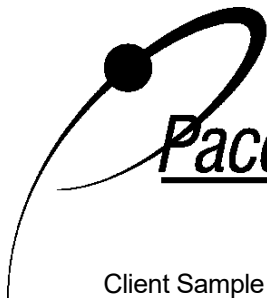
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-17-19-250207
Lab Sample ID 10723332018
Filename P250411B_12

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		44.226	1.05	77.1 A	---	3.73
178		41.980	1.08	29.8 A	---	3.85
179		39.175	1.03	54.8	---	3.44
180	180/193	47.186	1.08	252	---	6.80
181		---	---	ND A	---	3.58
182		---	---	ND A	---	3.13
183	183/185	43.542	1.01	90.6	---	5.58
184		---	---	ND A	---	2.59
185	183/185	43.542	1.01	(90.6)	---	5.58
186		---	---	ND	---	2.99
187		42.904	1.09	144	---	3.47
188		---	---	ND	---	2.57
189		51.657	0.96	4.06 J	---	3.20
190		49.034	1.09	21.1 J	---	3.31
191		47.545	1.24	--- JI	4.53	2.84
192		---	---	ND	---	3.39
193	180/193	47.186	1.08	(252)	---	6.80
194		53.789	0.85	59.0	---	3.65
195		51.435	0.95	25.7	---	3.70
196		49.855	0.94	35.6	---	3.44
197	197/200	46.313	0.99	11.5 J	---	5.93
198	198/199	49.188	0.89	69.5	---	6.10
199	198/199	49.188	0.89	(69.5)	---	6.10
200	197/200	46.313	0.99	(11.5) J	---	5.93
201		45.304	1.06	--- JI	8.72	2.63
202		44.346	0.96	11.8 J	---	2.38
203		50.060	0.95	41.4	---	3.42
204		---	---	ND	---	2.47
205		---	---	ND	---	2.62
206		56.033	0.78	32.1 A	---	4.29
207		52.101	0.77	4.49 J	---	3.25
208		51.146	0.88	10.1 J	---	2.57
209		57.654	0.84	--- IA	26.2	4.14

Conc = Concentration
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-17-19-250207
Lab Sample ID 10723332018
Filename P250411B_12

Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	236
Total Trichloro Biphenyls	162
Total Tetrachloro Biphenyls	353
Total Pentachloro Biphenyls	734
Total Hexachloro Biphenyls	1210
Total Heptachloro Biphenyls	983
Total Octachloro Biphenyls	254
Total Nonachloro Biphenyls	46.7
Decachloro Biphenyls	ND
 Total PCBs	 3980

ND = Not Detected

Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-04-19-20-250207		
Lab Sample ID	10723332019		
Filename	P250412A_06		
Injected By	JRH		
Total Amount Extracted	12.0 g	Matrix	SOLID
% Moisture	55.2	Dilution	NA
Dry Weight Extracted	5.35 g	Collected	02/07/2025 12:55
ICAL ID	P250412A02	Received	02/10/2025 08:50
CCal Filename(s)	P250412A_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/12/2025 14:53

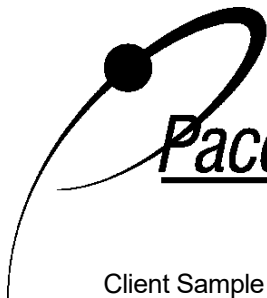
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.871	2.95	2.0	1.16	58
13C-4-MoCB	3	12.767	3.19	2.0	1.13	56
13C-2,2'-DiCB	4	13.078	1.65	2.0	1.02	51
13C-4,4'-DiCB	15	20.271	1.52	2.0	1.61	81
13C-2,2',6-TrCB	19	16.956	1.02	2.0	0.981	49
13C-3,4,4'-TrCB	37	28.116	1.07	2.0	1.81	90
13C-2,2',6,6'-TeCB	54	20.616	0.81	2.0	1.29	65
13C-3,4,4',5-TeCB	81	35.332	0.81	2.0	1.89	95
13C-3,3',4,4'-TeCB	77	35.977	0.81	2.0	1.97	99
13C-2,2',4,6,6'-PeCB	104	26.794	1.56	2.0	1.16	58
13C-2,3,3',4,4'-PeCB	105	39.518	1.64	2.0	1.77	89
13C-2,3,4,4',5-PeCB	114	38.868	1.57	2.0	1.74	87
13C-2,3',4,4',5-PeCB	118	38.303	1.59	2.0	1.75	88
13C-2,3',4,4',5'-PeCB	123	37.978	1.58	2.0	1.74	87
13C-3,3',4,4',5-PeCB	126	42.682	1.53	2.0	1.79	90
13C-2,2',4,4',6,6'-HxCB	155	32.912	1.28	2.0	1.25	63
13C-HxCB (156/157)	156/157	45.784	1.28	4.0	3.31	83
13C-2,3',4,4',5,5'-HxCB	167	44.586	1.30	2.0	1.70	85
13C-3,3',4,4',5,5'-HxCB	169	49.085	1.36	2.0	1.70	85
13C-2,2',3,4',5,6,6'-HpCB	188	38.833	1.09	2.0	1.36	68
13C-2,3,3',4,4',5,5'-HpCB	189	51.657	1.06	2.0	1.65	83
13C-2,2',3,3',5,5',6,6'-OxCB	202	44.330	0.90	2.0	1.41	71
13C-2,3,3',4,4',5,5',6-OxCB	205	54.278	0.93	2.0	1.51	75
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.033	0.80	2.0	1.38	69
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.146	0.78	2.0	1.44	72
13C-DeCB	209	57.632	0.70	2.0	1.34	67
CleanupStandards						
13C-2,4,4'-TrCB	28	23.729	1.04	2.0	1.61	81
13C-2,3,3',5,5'-PeCB	111	35.993	1.61	2.0	1.48	74
13C-2,2',3,3',5,5',6-HpCB	178	41.964	1.04	2.0	1.37	69
Recovery Standards						
13C-2,5-DiCB	9	15.574	1.58	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.745	0.80	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.122	1.56	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.502	1.29	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.790	0.89	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-19-20-250207
Lab Sample ID 10723332019
Filename P250412A_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	7.92
2		---	---	ND	---	11.1
3		---	---	ND	---	14.2
4		---	---	ND A	---	10.5
5		---	---	ND A	---	6.46
6		16.090	1.28	--- JIA	6.31	6.01
7		---	---	ND A	---	5.89
8		16.617	1.43	19.9 BJ	---	12.8
9		---	---	ND A	---	6.34
10		---	---	ND	---	7.21
11		19.569	1.55	530 B	---	206
12	12/13	---	---	ND	---	11.0
13	12/13	---	---	ND	---	11.0
14		---	---	ND A	---	6.24
15		20.283	1.34	15.9 J	---	10.9
16		20.236	1.00	21.6 J	---	11.6
17		19.709	0.93	16.1 J	---	11.2
18	18/30	19.217	1.06	26.4 J	---	24.1
19		---	---	ND A	---	13.3
20	20/28	23.745	0.96	76.2 J	---	60.7
21	21/33	24.019	0.99	42.7 J	---	34.6
22		---	---	ND	---	29.2
23		---	---	ND	---	6.30
24		---	---	ND A	---	7.92
25		---	---	ND	---	6.90
26	26/29	---	---	ND	---	13.7
27		---	---	ND	---	7.64
28	20/28	23.745	0.96	(76.2) J	---	60.7
29	26/29	---	---	ND	---	13.7
30	18/30	19.217	1.06	(26.4) J	---	24.1
31		23.422	1.05	65.2 J	---	51.0
32		20.842	1.12	15.7 J	---	11.0
33	21/33	24.019	0.99	(42.7) J	---	34.6
34		---	---	ND	---	6.39
35		27.697	1.01	15.3 BJ	---	6.86
36		---	---	ND	---	5.89
37		28.132	1.12	18.2 BJ	---	15.5
38		---	---	ND	---	5.48
39		---	---	ND	---	6.48
40	40/41/71	27.955	0.78	30.5 J	---	23.7
41	40/41/71	27.955	0.78	(30.5) J	---	23.7
42		---	---	ND	---	13.3
43	43/73	---	---	ND	---	23.4
44	44/47/65	26.874	0.83	55.0 BJ	---	50.5

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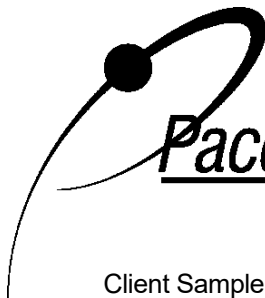
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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-04-19-20-250207
Lab Sample ID 10723332019
Filename P250412A_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	23.906	0.82	16.0 J	---	14.6
46		---	---	ND	---	6.67
47	44/47/65	26.874	0.83	(55.0) BJ	---	50.5
48		26.632	0.90	---	11.7	8.33
49	49/69	26.309	0.85	24.6 J	---	24.3
50	50/53	---	---	ND	---	13.0
51	45/51	23.906	0.82	(16.0) J	---	14.6
52		25.777	0.81	85.1 BJ	---	45.8
53	50/53	---	---	ND	---	13.0
54		---	---	ND	---	6.26
55		---	---	ND	---	6.86
56		32.025	0.80	19.9 BJ	---	15.3
57		---	---	ND	---	6.22
58		---	---	ND A	---	5.97
59	59/62/75	---	---	ND	---	18.4
60		32.267	0.91	---	12.8	12.5
61	61/70/74/76	30.961	0.77	71.0 BJ	---	53.1
62	59/62/75	---	---	ND	---	18.4
63		---	---	ND A	---	5.84
64		28.213	0.75	21.6 BJ	---	19.1
65	44/47/65	26.874	0.83	(55.0) BJ	---	50.5
66		31.316	0.81	43.3 J	---	32.7
67		---	---	ND	---	5.66
68		---	---	ND A	---	5.57
69	49/69	26.309	0.85	(24.6) J	---	24.3
70	61/70/74/76	30.961	0.77	(71.0) BJ	---	53.1
71	40/41/71	27.955	0.78	(30.5) J	---	23.7
72		---	---	ND A	---	5.64
73	43/73	---	---	ND	---	23.4
74	61/70/74/76	30.961	0.77	(71.0) BJ	---	53.1
75	59/62/75	---	---	ND	---	18.4
76	61/70/74/76	30.961	0.77	(71.0) BJ	---	53.1
77		---	---	ND A	---	8.32
78		---	---	ND A	---	6.42
79		---	---	ND A	---	5.22
80		---	---	ND A	---	4.70
81		---	---	ND A	---	5.94
82		---	---	ND	---	14.4
83		---	---	ND	---	7.81
84		31.187	1.19	---	14.8	9.36
85	85/116/117	---	---	ND	---	18.9
86	86/87/97/108/119/125	---	---	ND	---	36.4
87	86/87/97/108/119/125	---	---	ND	---	36.4
88	88/91	---	---	ND	---	12.6

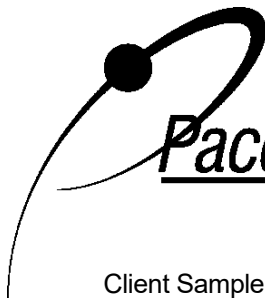
Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
X = Outside QC Limits
RT = Retention Time
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ng's = Nanograms

Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-04-19-20-250207
Lab Sample ID 10723332019
Filename P250412A_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	7.68
90	90/101/113	33.138	1.47	50.3 J	---	23.2
91	88/91	---	---	ND	---	12.6
92		---	---	ND	---	7.29
93	93/98/100/102	---	---	ND	---	26.2
94		---	---	ND	---	6.32
95		30.025	1.30	---	37.3	30.1
96		---	---	ND	---	7.98
97	86/87/97/108/119/125	---	---	ND	---	36.4
98	93/98/100/102	---	---	ND	---	26.2
99		33.751	1.38	16.4 J	---	12.1
100	93/98/100/102	---	---	ND	---	26.2
101	90/101/113	33.138	1.47	(50.3) J	---	23.2
102	93/98/100/102	---	---	ND	---	26.2
103		---	---	ND	---	7.42
104		---	---	ND A	---	6.32
105		39.552	1.37	15.1 J	---	9.21
106		---	---	ND	---	4.93
107	107/124	---	---	ND	---	10.5
108	86/87/97/108/119/125	---	---	ND	---	36.4
109		---	---	ND	---	6.43
110	110/115	35.203	1.75	52.7 BJ	---	26.9
111		---	---	ND	---	6.28
112		---	---	ND	---	8.26
113	90/101/113	33.138	1.47	(50.3) J	---	23.2
114		---	---	ND	---	5.16
115	110/115	35.203	1.75	(52.7) BJ	---	26.9
116	85/116/117	---	---	ND	---	18.9
117	85/116/117	---	---	ND	---	18.9
118		38.337	1.48	30.2 BJ	---	16.0
119	86/87/97/108/119/125	---	---	ND	---	36.4
120		---	---	ND	---	6.80
121		---	---	ND	---	7.21
122		---	---	ND	---	5.96
123		---	---	ND	---	6.69
124	107/124	---	---	ND	---	10.5
125	86/87/97/108/119/125	---	---	ND	---	36.4
126		---	---	ND	---	5.94
127		---	---	ND	---	5.40
128	128/166	---	---	ND	---	10.3
129	129/138/163	41.536	1.11	89.8 J	---	20.9
130		---	---	ND A	---	7.46
131		---	---	ND A	---	7.70
132		38.440	1.12	31.4 JA	---	7.13

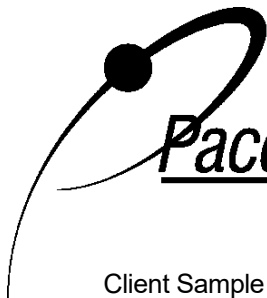
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-19-20-250207
Lab Sample ID 10723332019
Filename P250412A_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND A	---	7.27
134	134/143	---	---	ND	---	10.1
135	135/151	36.235	1.21	43.7 J	---	14.7
136		33.654	1.35	17.0 J	---	7.64
137		---	---	ND A	---	6.66
138	129/138/163	41.536	1.11	(89.8) J	---	20.9
139	139/140	---	---	ND	---	10.3
140	139/140	---	---	ND	---	10.3
141		40.459	1.21	20.6 JA	---	5.90
142		---	---	ND A	---	7.77
143	134/143	---	---	ND	---	10.1
144		---	---	ND A	---	8.67
145		---	---	ND	---	6.93
146		39.620	0.87	--- JI	12.5	6.54
147	147/149	37.174	1.32	78.3 J	---	15.7
148		---	---	ND	---	11.1
149	147/149	37.174	1.32	(78.3) J	---	15.7
150		---	---	ND	---	6.11
151	135/151	36.235	1.21	(43.7) J	---	14.7
152		---	---	ND	---	7.81
153	153/168	40.253	1.28	75.2 J	---	13.2
154		---	---	ND	---	6.43
155		32.929	1.15	7.16 J	---	5.01
156	156/157	45.767	1.17	13.2 J	---	10.2
157	156/157	45.767	1.17	(13.2) J	---	10.2
158		41.947	1.38	9.14 J	---	5.12
159		---	---	ND	---	6.63
160		---	---	ND	---	4.90
161		---	---	ND A	---	4.88
162		---	---	ND	---	5.77
163	129/138/163	41.536	1.11	(89.8) J	---	20.9
164		---	---	ND	---	6.54
165		---	---	ND	---	5.33
166	128/166	---	---	ND	---	10.3
167		---	---	ND	---	6.19
168	153/168	40.253	1.28	(75.2) J	---	13.2
169		---	---	ND	---	5.48
170		48.504	0.92	33.0 J	---	8.24
171	171/173	44.911	1.14	13.8 J	---	11.3
172		---	---	ND A	---	7.67
173	171/173	44.911	1.14	(13.8) J	---	11.3
174		43.799	0.99	37.9 J	---	8.07
175		---	---	ND A	---	5.76
176		---	---	ND	---	6.90

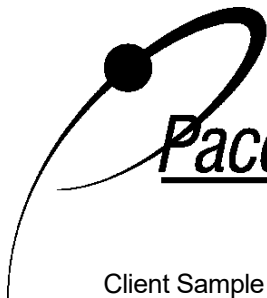
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-19-20-250207
Lab Sample ID 10723332019
Filename P250412A_06

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		44.244	1.03	28.6 JA	---	7.94
178		41.981	0.73	--- JI	9.59	7.51
179		39.193	1.04	18.2 J	---	7.53
180	180/193	47.204	1.01	83.6 J	---	14.9
181		---	---	ND A	---	7.46
182		---	---	ND	---	6.20
183	183/185	43.560	1.01	31.6 J	---	12.2
184		---	---	ND	---	5.61
185	183/185	43.560	1.01	(31.6) J	---	12.2
186		---	---	ND	---	6.56
187		42.922	1.02	48.5	---	7.61
188		---	---	ND	---	5.62
189		---	---	ND	---	7.01
190		49.051	1.02	8.95 J	---	7.25
191		---	---	ND	---	6.22
192		---	---	ND	---	7.44
193	180/193	47.204	1.01	(83.6) J	---	14.9
194		53.812	0.85	18.7 J	---	8.00
195		51.435	1.08	--- JI	12.0	8.11
196		49.872	0.80	13.6 J	---	7.55
197	197/200	---	---	ND	---	13.0
198	198/199	49.188	1.02	23.2 J	---	13.4
199	198/199	49.188	1.02	(23.2) J	---	13.4
200	197/200	---	---	ND	---	13.0
201		---	---	ND	---	5.77
202		44.347	1.05	--- JI	7.68	5.21
203		50.078	0.83	13.7 J	---	7.49
204		---	---	ND	---	5.42
205		---	---	ND	---	5.74
206		---	---	ND A	---	14.4
207		---	---	ND A	---	8.54
208		---	---	ND A	---	7.90
209		---	---	ND A	---	9.85

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-04-19-20-250207
Lab Sample ID 10723332019
Filename P250412A_06

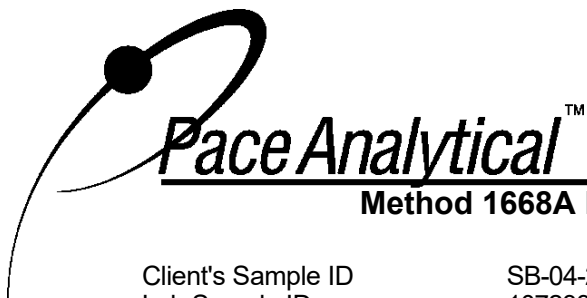
Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	566
Total Trichloro Biphenyls	297
Total Tetrachloro Biphenyls	367
Total Pentachloro Biphenyls	165
Total Hexachloro Biphenyls	385
Total Heptachloro Biphenyls	304
Total Octachloro Biphenyls	69.2
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	2150

ND = Not Detected

Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-04-26-28-250207		
Lab Sample ID	10723332020		
Filename	P250412A_07		
Injected By	JRH		
Total Amount Extracted	12.0 g	Matrix	SOLID
% Moisture	75.7	Dilution	NA
Dry Weight Extracted	2.91 g	Collected	02/07/2025 13:00
ICAL ID	P250412A02	Received	02/10/2025 08:50
CCal Filename(s)	P250412A_01	Extracted	03/06/2025 14:00
Method Blank ID	BLANK-117852	Analyzed	04/12/2025 15:55

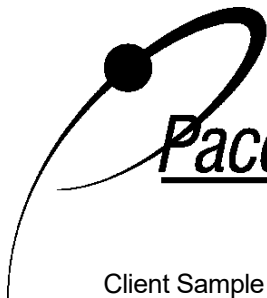
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.859	2.86	2.0	1.19	60
13C-4-MoCB	3	12.743	3.06	2.0	1.28	64
13C-2,2'-DiCB	4	13.054	1.54	2.0	0.945	47
13C-4,4'-DiCB	15	20.239	1.62	2.0	1.59	79
13C-2,2',6-TrCB	19	16.935	0.99	2.0	0.949	47
13C-3,4,4'-TrCB	37	28.103	1.07	2.0	1.88	94
13C-2,2',6,6'-TeCB	54	20.586	0.84	2.0	1.28	64
13C-3,4,4',5-TeCB	81	35.287	0.78	2.0	2.00	100
13C-3,3',4,4'-TeCB	77	35.867	0.79	2.0	1.95	97
13C-2,2',4,6,6'-PeCB	104	26.780	1.55	2.0	1.11	56
13C-2,3,3',4,4'-PeCB	105	39.506	1.57	2.0	1.81	91
13C-2,3,4,4',5-PeCB	114	38.838	1.56	2.0	1.83	91
13C-2,3',4,4',5-PeCB	118	38.291	1.57	2.0	1.84	92
13C-2,3',4,4',5'-PeCB	123	37.948	1.63	2.0	1.85	92
13C-3,3',4,4',5-PeCB	126	42.688	1.64	2.0	1.85	93
13C-2,2',4,4',6,6'-HxCB	155	32.916	1.25	2.0	1.24	62
13C-HxCB (156/157)	156/157	45.773	1.28	4.0	3.45	86
13C-2,3',4,4',5,5'-HxCB	167	44.592	1.25	2.0	1.80	90
13C-3,3',4,4',5,5'-HxCB	169	49.076	1.30	2.0	1.76	88
13C-2,2',3,4',5,6,6'-HpCB	188	38.821	1.08	2.0	1.36	68
13C-2,3,3',4,4',5,5'-HpCB	189	51.648	1.09	2.0	1.73	87
13C-2,2',3,3',5,5',6,6'-OxCB	202	44.319	0.93	2.0	1.46	73
13C-2,3,3',4,4',5,5',6-OxCB	205	54.270	0.87	2.0	1.54	77
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.025	0.81	2.0	1.35	67
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.137	0.82	2.0	1.46	73
13C-DeCB	209	57.625	0.69	2.0	1.37	68
CleanupStandards						
13C-2,4,4'-TrCB	28	23.699	1.06	2.0	1.78	89
13C-2,3,3',5,5'-PeCB	111	35.916	1.61	2.0	1.51	75
13C-2,2',3,3',5,5',6-HpCB	178	41.953	1.11	2.0	1.35	68
Recovery Standards						
13C-2,5-DiCB	9	15.552	1.60	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.731	0.81	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.125	1.60	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.491	1.24	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.781	0.90	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
Results reported on a dry weight basis

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-26-28-250207
Lab Sample ID 10723332020
Filename P250412A_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	14.6
2		---	---	ND	---	20.4
3		---	---	ND	---	26.1
4		---	---	ND A	---	21.4
5		---	---	ND	---	11.0
6		---	---	ND	---	10.3
7		---	---	ND	---	9.56
8		16.595	1.59	36.5 BJ	---	23.5
9		---	---	ND	---	11.3
10		---	---	ND	---	13.3
11		19.547	1.59	967 B	---	378
12	12/13	---	---	ND	---	20.3
13	12/13	---	---	ND	---	20.3
14		---	---	ND	---	10.2
15		20.262	1.39	26.9 J	---	20.1
16		20.203	1.02	28.8 J	---	21.3
17		19.688	0.96	31.5 J	---	20.7
18	18/30	19.196	1.02	48.3 J	---	44.3
19		---	---	ND	---	13.6
20	20/28	23.731	0.97	138 J	---	112
21	21/33	23.989	0.89	72.6 J	---	63.6
22		---	---	ND	---	53.6
23		---	---	ND	---	11.6
24		---	---	ND	---	12.2
25		---	---	ND	---	12.7
26	26/29	---	---	ND	---	25.2
27		---	---	ND	---	14.1
28	20/28	23.731	0.97	(138) J	---	112
29	26/29	---	---	ND	---	25.2
30	18/30	19.196	1.02	(48.3) J	---	44.3
31		23.392	1.08	118 J	---	93.9
32		20.828	0.95	25.7 J	---	20.2
33	21/33	23.989	0.89	(72.6) J	---	63.6
34		---	---	ND	---	11.8
35		27.683	1.01	30.1 BJ	---	12.6
36		26.151	0.92	16.9 J	---	10.8
37		28.135	1.14	40.9 BJ	---	28.6
38		---	---	ND	---	10.1
39		---	---	ND	---	11.9
40	40/41/71	27.925	0.82	62.4 J	---	43.7
41	40/41/71	27.925	0.82	(62.4) J	---	43.7
42		27.409	0.82	40.5 J	---	24.5
43	43/73	---	---	ND	---	43.0
44	44/47/65	26.877	0.83	116 BJ	---	92.8

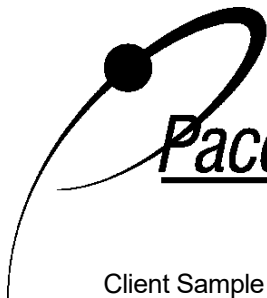
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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-04-26-28-250207
Lab Sample ID 10723332020
Filename P250412A_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	23.876	0.78	28.2 J	---	26.8
46		---	---	ND	---	12.3
47	44/47/65	26.877	0.83	(116) BJ	---	92.8
48		26.618	1.04	---	28.5	15.3
49	49/69	26.280	0.78	49.1 J	---	44.7
50	50/53	---	---	ND	---	23.9
51	45/51	23.876	0.78	(28.2) J	---	26.8
52		25.747	0.79	174 BJ	---	84.2
53	50/53	---	---	ND	---	23.9
54		---	---	ND	---	11.5
55		---	---	ND	---	12.6
56		32.044	0.77	45.1 BJ	---	28.2
57		---	---	ND	---	11.4
58		---	---	ND	---	10.2
59	59/62/75	---	---	ND	---	33.8
60		32.303	0.86	32.9 J	---	23.0
61	61/70/74/76	30.964	0.78	126 BJ	---	97.6
62	59/62/75	---	---	ND	---	33.8
63		---	---	ND	---	9.97
64		28.199	0.84	43.4 BJ	---	35.1
65	44/47/65	26.877	0.83	(116) BJ	---	92.8
66		31.302	0.80	81.9 J	---	60.2
67		---	---	ND	---	10.4
68		---	---	ND	---	9.42
69	49/69	26.280	0.78	(49.1) J	---	44.7
70	61/70/74/76	30.964	0.78	(126) BJ	---	97.6
71	40/41/71	27.925	0.82	(62.4) J	---	43.7
72		---	---	ND	---	9.42
73	43/73	---	---	ND	---	43.0
74	61/70/74/76	30.964	0.78	(126) BJ	---	97.6
75	59/62/75	---	---	ND	---	33.8
76	61/70/74/76	30.964	0.78	(126) BJ	---	97.6
77		---	---	ND	---	11.4
78		---	---	ND	---	10.0
79		---	---	ND	---	9.04
80		---	---	ND	---	8.11
81		---	---	ND	---	9.66
82		---	---	ND	---	26.4
83		---	---	ND A	---	14.5
84		---	---	ND	---	17.2
85	85/116/117	---	---	ND	---	34.7
86	86/87/97/108/119/125	---	---	ND	---	67.0
87	86/87/97/108/119/125	---	---	ND	---	67.0
88	88/91	---	---	ND	---	23.2

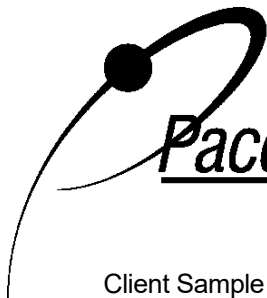
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Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-04-26-28-250207
Lab Sample ID 10723332020
Filename P250412A_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	14.1
90	90/101/113	33.158	1.37	49.8 J	---	42.6
91	88/91	---	---	ND	---	23.2
92		32.416	1.02	---	14.6	13.4
93	93/98/100/102	---	---	ND	---	48.1
94		---	---	ND	---	11.6
95		---	---	ND	---	55.4
96		---	---	ND	---	14.7
97	86/87/97/108/119/125	---	---	ND	---	67.0
98	93/98/100/102	---	---	ND	---	48.1
99		---	---	ND	---	22.3
100	93/98/100/102	---	---	ND	---	48.1
101	90/101/113	33.158	1.37	(49.8) J	---	42.6
102	93/98/100/102	---	---	ND	---	48.1
103		---	---	ND	---	13.6
104		---	---	ND A	---	10.3
105		39.523	1.54	20.3 J	---	16.9
106		---	---	ND	---	9.08
107	107/124	---	---	ND	---	19.3
108	86/87/97/108/119/125	---	---	ND	---	67.0
109		---	---	ND	---	11.8
110	110/115	35.190	1.35	55.6 BJ	---	49.5
111		---	---	ND	---	11.6
112		---	---	ND	---	15.2
113	90/101/113	33.158	1.37	(49.8) J	---	42.6
114		---	---	ND	---	9.49
115	110/115	35.190	1.35	(55.6) BJ	---	49.5
116	85/116/117	---	---	ND	---	34.7
117	85/116/117	---	---	ND	---	34.7
118		38.308	1.53	31.6 BJ	---	29.5
119	86/87/97/108/119/125	---	---	ND	---	67.0
120		---	---	ND	---	12.5
121		---	---	ND	---	13.3
122		---	---	ND	---	11.0
123		---	---	ND	---	12.3
124	107/124	---	---	ND	---	19.3
125	86/87/97/108/119/125	---	---	ND	---	67.0
126		---	---	ND	---	10.9
127		---	---	ND	---	9.94
128	128/166	---	---	ND	---	18.9
129	129/138/163	41.525	1.35	67.5 J	---	38.5
130		---	---	ND A	---	20.5
131		---	---	ND A	---	21.1
132		---	---	ND A	---	19.6

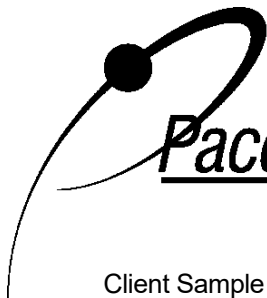
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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-04-26-28-250207
Lab Sample ID 10723332020
Filename P250412A_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND A	---	19.9
134	134/143	---	---	ND A	---	21.2
135	135/151	---	---	ND	---	27.1
136		---	---	ND A	---	16.4
137		---	---	ND A	---	18.3
138	129/138/163	41.525	1.35	(67.5) J	---	38.5
139	139/140	---	---	ND	---	19.0
140	139/140	---	---	ND	---	19.0
141		---	---	ND A	---	16.2
142		---	---	ND A	---	21.3
143	134/143	---	---	ND A	---	21.2
144		---	---	ND A	---	21.6
145		---	---	ND A	---	15.5
146		---	---	ND A	---	15.0
147	147/149	37.110	1.24	48.5 J	---	28.9
148		---	---	ND A	---	21.6
149	147/149	37.110	1.24	(48.5) J	---	28.9
150		---	---	ND A	---	15.0
151	135/151	---	---	ND	---	27.1
152		---	---	ND A	---	16.4
153	153/168	40.241	1.15	47.9 J	---	24.3
154		---	---	ND A	---	15.7
155		32.948	1.25	21.1 JA	---	10.6
156	156/157	---	---	ND A	---	18.9
157	156/157	---	---	ND A	---	18.9
158		---	---	ND A	---	10.8
159		---	---	ND A	---	14.3
160		---	---	ND A	---	13.1
161		---	---	ND A	---	13.4
162		---	---	ND A	---	14.6
163	129/138/163	41.525	1.35	(67.5) J	---	38.5
164		---	---	ND	---	12.0
165		---	---	ND A	---	14.6
166	128/166	---	---	ND	---	18.9
167		---	---	ND A	---	11.4
168	153/168	40.241	1.15	(47.9) J	---	24.3
169		---	---	ND A	---	15.8
170		48.494	0.99	29.4 JA	---	27.7
171	171/173	---	---	ND A	---	27.0
172		---	---	ND A	---	27.9
173	171/173	---	---	ND A	---	27.0
174		43.788	1.18	30.7 JA	---	23.2
175		---	---	ND A	---	18.8
176		---	---	ND A	---	14.2

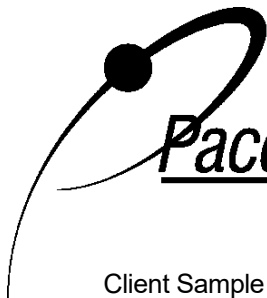
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-26-28-250207
Lab Sample ID 10723332020
Filename P250412A_07

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		---	---	ND A	---	28.9
178		---	---	ND A	---	20.0
179		---	---	ND A	---	14.2
180	180/193	47.211	0.93	35.9 J	---	27.4
181		---	---	ND A	---	27.2
182		---	---	ND A	---	16.3
183	183/185	---	---	ND A	---	26.3
184		---	---	ND A	---	13.5
185	183/185	---	---	ND A	---	26.3
186		---	---	ND A	---	14.3
187		42.911	1.00	36.9 JA	---	17.7
188		---	---	ND A	---	13.3
189		---	---	ND A	---	19.3
190		---	---	ND A	---	20.1
191		---	---	ND A	---	19.9
192		---	---	ND A	---	22.4
193	180/193	47.211	0.93	(35.9) J	---	27.4
194		---	---	ND A	---	22.4
195		---	---	ND A	---	23.8
196		---	---	ND A	---	30.5
197	197/200	---	---	ND	---	23.9
198	198/199	---	---	ND A	---	31.4
199	198/199	---	---	ND A	---	31.4
200	197/200	---	---	ND	---	23.9
201		---	---	ND A	---	22.3
202		---	---	ND A	---	21.5
203		---	---	ND A	---	28.7
204		---	---	ND A	---	23.0
205		---	---	ND A	---	21.4
206		---	---	ND A	---	42.6
207		---	---	ND A	---	23.9
208		---	---	ND A	---	21.5
209		---	---	ND A	---	34.1

Conc = Concentration
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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-04-26-28-250207
Lab Sample ID 10723332020
Filename P250412A_07

Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	1030
Total Trichloro Biphenyls	551
Total Tetrachloro Biphenyls	799
Total Pentachloro Biphenyls	157
Total Hexachloro Biphenyls	185
Total Heptachloro Biphenyls	133
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	2860

ND = Not Detected

Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-04-30-32-250207		
Lab Sample ID	10723332021		
Filename	P250428A_13		
Injected By	CVS		
Total Amount Extracted	13.5 g	Matrix	SOLID
% Moisture	35.8	Dilution	NA
Dry Weight Extracted	8.69 g	Collected	02/07/2025 13:05
ICAL ID	P250428A04	Received	02/10/2025 08:50
CCal Filename(s)	P250428A_03	Extracted	03/07/2025 12:00
Method Blank ID	BLANK-117861	Analyzed	04/29/2025 02:02

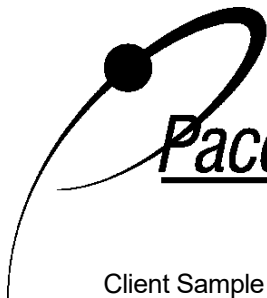
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.347	3.04	2.0	1.11	55
13C-4-MoCB	3	12.146	2.96	2.0	1.19	60
13C-2,2'-DiCB	4	12.457	1.54	2.0	1.21	61
13C-4,4'-DiCB	15	19.498	1.61	2.0	1.39	70
13C-2,2',6-TrCB	19	16.265	1.10	2.0	1.31	66
13C-3,4,4'-TrCB	37	27.245	1.03	2.0	1.28	64
13C-2,2',6,6'-TeCB	54	19.842	0.82	2.0	1.19	59
13C-3,4,4',5-TeCB	81	34.380	0.77	2.0	1.39	70
13C-3,3',4,4'-TeCB	77	35.008	0.81	2.0	1.40	70
13C-2,2',4,6,6'-PeCB	104	25.939	1.51	2.0	1.34	67
13C-2,3,3',4,4'-PeCB	105	38.562	1.42	2.0	1.53	77
13C-2,3,4,4',5-PeCB	114	37.912	1.57	2.0	1.39	70
13C-2,3',4,4',5-PeCB	118	37.364	1.56	2.0	1.44	72
13C-2,3',4,4',5'-PeCB	123	37.022	1.62	2.0	1.42	71
13C-3,3',4,4',5-PeCB	126	41.727	1.45	2.0	1.50	75
13C-2,2',4,4',6,6'-HxCB	155	31.992	1.26	2.0	1.23	62
13C-HxCB (156/157)	156/157	44.811	1.29	4.0	2.42	61
13C-2,3',4,4',5,5'-HxCB	167	43.630	1.28	2.0	1.23	61
13C-3,3',4,4',5,5'-HxCB	169	48.095	1.23	2.0	1.22	61
13C-2,2',3,4',5,6,6'-HpCB	188	37.912	1.00	2.0	1.38	69
13C-2,3,3',4,4',5,5'-HpCB	189	50.663	1.08	2.0	1.14	57
13C-2,2',3,3',5,5',6,6'-OxCB	202	43.373	0.88	2.0	1.35	68
13C-2,3,3',4,4',5,5',6-OxCB	205	53.262	0.91	2.0	1.28	64
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.017	0.80	2.0	1.26	63
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	50.152	0.82	2.0	1.29	65
13C-DeCB	209	56.616	0.72	2.0	1.39	70
CleanupStandards						
13C-2,4,4'-TrCB	28	22.906	1.08	2.0	1.24	62
13C-2,3,3',5,5'-PeCB	111	35.073	1.61	2.0	1.38	69
13C-2,2',3,3',5,5',6-HpCB	178	41.008	1.00	2.0	1.48	74
Recovery Standards						
13C-2,5-DiCB	9	14.965	1.55	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	24.906	0.75	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	32.202	1.61	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	40.563	1.30	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	52.774	0.97	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-04-30-32-250207
Lab Sample ID 10723332021
Filename P250428A_13

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	4.88
2		---	---	ND	---	6.81
3		---	---	ND	---	8.72
4		---	---	ND A	---	13.6
5		---	---	ND A	---	5.22
6		---	---	ND A	---	4.63
7		---	---	ND A	---	4.55
8		---	---	ND	---	7.88
9		---	---	ND A	---	4.75
10		---	---	ND A	---	7.05
11		---	---	ND	---	127
12	12/13	---	---	ND	---	6.80
13	12/13	---	---	ND	---	6.80
14		---	---	ND A	---	4.79
15		---	---	ND	---	6.72
16		---	---	ND	---	7.12
17		---	---	ND	---	6.92
18	18/30	---	---	ND	---	14.8
19		---	---	ND	---	4.55
20	20/28	---	---	ND	---	37.4
21	21/33	---	---	ND	---	21.3
22		---	---	ND	---	18.0
23		---	---	ND	---	3.88
24		---	---	ND	---	4.10
25		---	---	ND	---	4.25
26	26/29	---	---	ND	---	8.42
27		---	---	ND	---	4.71
28	20/28	---	---	ND	---	37.4
29	26/29	---	---	ND	---	8.42
30	18/30	---	---	ND	---	14.8
31		---	---	ND	---	31.4
32		---	---	ND	---	6.78
33	21/33	---	---	ND	---	21.3
34		---	---	ND	---	3.94
35		---	---	ND	---	4.22
36		---	---	ND	---	3.62
37		---	---	ND	---	9.56
38		---	---	ND	---	3.37
39		---	---	ND	---	3.99
40	40/41/71	---	---	ND	---	14.6
41	40/41/71	---	---	ND	---	14.6
42		---	---	ND	---	8.22
43	43/73	---	---	ND	---	14.4
44	44/47/65	---	---	ND	---	31.1

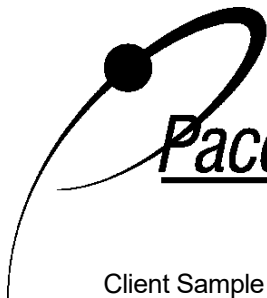
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Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-30-32-250207
Lab Sample ID 10723332021
Filename P250428A_13

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	---	---	ND	---	8.98
46		---	---	ND	---	4.11
47	44/47/65	---	---	ND	---	31.1
48		---	---	ND	---	5.13
49	49/69	---	---	ND	---	15.0
50	50/53	---	---	ND	---	8.01
51	45/51	---	---	ND	---	8.98
52		---	---	ND	---	28.2
53	50/53	---	---	ND	---	8.01
54		---	---	ND	---	3.85
55		---	---	ND	---	4.22
56		---	---	ND	---	9.42
57		---	---	ND	---	3.83
58		---	---	ND	---	3.42
59	59/62/75	---	---	ND	---	11.3
60		---	---	ND	---	7.69
61	61/70/74/76	---	---	ND	---	32.7
62	59/62/75	---	---	ND	---	11.3
63		---	---	ND	---	3.34
64		---	---	ND	---	11.7
65	44/47/65	---	---	ND	---	31.1
66		---	---	ND	---	20.1
67		---	---	ND	---	3.49
68		---	---	ND	---	3.15
69	49/69	---	---	ND	---	15.0
70	61/70/74/76	---	---	ND	---	32.7
71	40/41/71	---	---	ND	---	14.6
72		---	---	ND	---	3.15
73	43/73	---	---	ND	---	14.4
74	61/70/74/76	---	---	ND	---	32.7
75	59/62/75	---	---	ND	---	11.3
76	61/70/74/76	---	---	ND	---	32.7
77		---	---	ND	---	3.83
78		---	---	ND	---	3.35
79		---	---	ND	---	3.03
80		---	---	ND	---	2.72
81		---	---	ND	---	3.23
82		---	---	ND	---	8.85
83		---	---	ND	---	4.81
84		---	---	ND	---	5.76
85	85/116/117	---	---	ND	---	11.6
86	86/87/97/108/119/125	---	---	ND	---	22.4
87	86/87/97/108/119/125	---	---	ND	---	22.4
88	88/91	---	---	ND	---	7.76

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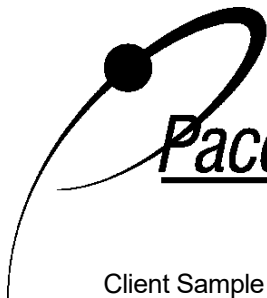
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Tel: 612-607-1700
Fax: 612- 607-6444

**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-30-32-250207
Lab Sample ID 10723332021
Filename P250428A_13

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	4.73
90	90/101/113	---	---	ND	---	14.3
91	88/91	---	---	ND	---	7.76
92		---	---	ND	---	4.49
93	93/98/100/102	---	---	ND	---	16.1
94		---	---	ND	---	3.89
95		---	---	ND	---	18.5
96		---	---	ND	---	4.91
97	86/87/97/108/119/125	---	---	ND	---	22.4
98	93/98/100/102	---	---	ND	---	16.1
99		---	---	ND	---	7.47
100	93/98/100/102	---	---	ND	---	16.1
101	90/101/113	---	---	ND	---	14.3
102	93/98/100/102	---	---	ND	---	16.1
103		---	---	ND	---	4.57
104		---	---	ND	---	3.33
105		---	---	ND	---	5.67
106		---	---	ND	---	3.04
107	107/124	---	---	ND	---	6.44
108	86/87/97/108/119/125	---	---	ND	---	22.4
109		---	---	ND	---	3.96
110	110/115	---	---	ND	---	16.6
111		---	---	ND	---	3.87
112		---	---	ND	---	5.09
113	90/101/113	---	---	ND	---	14.3
114		---	---	ND	---	3.18
115	110/115	---	---	ND	---	16.6
116	85/116/117	---	---	ND	---	11.6
117	85/116/117	---	---	ND	---	11.6
118		---	---	ND	---	9.87
119	86/87/97/108/119/125	---	---	ND	---	22.4
120		---	---	ND	---	4.19
121		---	---	ND	---	4.44
122		---	---	ND	---	3.67
123		---	---	ND	---	4.12
124	107/124	---	---	ND	---	6.44
125	86/87/97/108/119/125	---	---	ND	---	22.4
126		---	---	ND	---	3.66
127		---	---	ND	---	3.33
128	128/166	---	---	ND	---	6.32
129	129/138/163	---	---	ND	---	12.9
130		---	---	ND	---	4.05
131		---	---	ND	---	4.02
132		---	---	ND	---	4.17

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

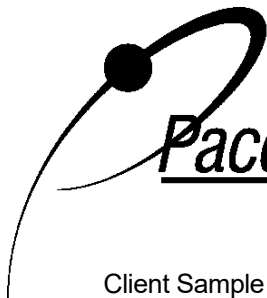
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
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Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-30-32-250207
Lab Sample ID 10723332021
Filename P250428A_13

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	3.68
134	134/143	---	---	ND	---	6.24
135	135/151	---	---	ND	---	9.06
136		---	---	ND	---	4.71
137		---	---	ND	---	3.52
138	129/138/163	---	---	ND	---	12.9
139	139/140	---	---	ND	---	6.36
140	139/140	---	---	ND	---	6.36
141		---	---	ND	---	3.56
142		---	---	ND	---	3.44
143	134/143	---	---	ND	---	6.24
144		---	---	ND	---	4.28
145		---	---	ND	---	4.27
146		---	---	ND	---	4.03
147	147/149	---	---	ND	---	9.67
148		---	---	ND	---	6.85
149	147/149	---	---	ND	---	9.67
150		---	---	ND	---	3.76
151	135/151	---	---	ND	---	9.06
152		---	---	ND	---	4.81
153	153/168	---	---	ND	---	8.15
154		---	---	ND	---	3.96
155		---	---	ND	---	3.08
156	156/157	---	---	ND	---	6.29
157	156/157	---	---	ND	---	6.29
158		---	---	ND	---	3.15
159		---	---	ND	---	4.08
160		---	---	ND	---	3.01
161		---	---	ND	---	2.67
162		---	---	ND	---	3.56
163	129/138/163	---	---	ND	---	12.9
164		---	---	ND	---	4.03
165		---	---	ND	---	3.28
166	128/166	---	---	ND	---	6.32
167		---	---	ND	---	3.81
168	153/168	---	---	ND	---	8.15
169		---	---	ND	---	3.37
170		---	---	ND	---	5.07
171	171/173	---	---	ND	---	6.95
172		---	---	ND	---	4.13
173	171/173	---	---	ND	---	6.95
174		---	---	ND	---	4.97
175		---	---	ND	---	3.43
176		---	---	ND	---	4.25

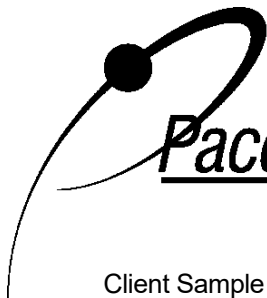
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NC = Not Calculated
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X = Outside QC Limits
RT = Retention Time
I = Interference
ng's = Nanograms

Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-30-32-250207
Lab Sample ID 10723332021
Filename P250428A_13

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		---	---	ND	---	4.32
178		---	---	ND	---	4.63
179		---	---	ND	---	4.64
180	180/193	---	---	ND	---	9.17
181		---	---	ND	---	3.92
182		---	---	ND	---	3.82
183	183/185	---	---	ND	---	7.54
184		---	---	ND	---	3.45
185	183/185	---	---	ND	---	7.54
186		---	---	ND	---	4.04
187		---	---	ND	---	4.68
188		---	---	ND	---	3.46
189		---	---	ND	---	4.32
190		---	---	ND	---	4.46
191		---	---	ND	---	3.83
192		---	---	ND	---	4.58
193	180/193	---	---	ND	---	9.17
194		---	---	ND	---	4.92
195		---	---	ND	---	4.99
196		---	---	ND	---	4.65
197	197/200	---	---	ND	---	8.00
198	198/199	---	---	ND	---	8.23
199	198/199	---	---	ND	---	8.23
200	197/200	---	---	ND	---	8.00
201		---	---	ND	---	3.56
202		---	---	ND	---	3.21
203		---	---	ND	---	4.61
204		---	---	ND	---	3.34
205		---	---	ND	---	3.53
206		---	---	ND	---	5.16
207		---	---	ND	---	4.38
208		---	---	ND	---	3.46
209		---	---	ND	---	4.57

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
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Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client Sample ID SB-04-30-32-250207
Lab Sample ID 10723332021
Filename P250428A_13

Congener Group	Concentration ng/Kg
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

Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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Method 1668A Polychlorobiphenyl Sample Analysis Results

Client - BP-LM Consulting

Client's Sample ID	SB-04-32-34-250207		
Lab Sample ID	10723332022		
Filename	P250412A_08		
Injected By	JRH		
Total Amount Extracted	13.0 g	Matrix	SOLID
% Moisture	33.6	Dilution	NA
Dry Weight Extracted	8.62 g	Collected	02/07/2025 13:10
ICAL ID	P250412A02	Received	02/10/2025 08:50
CCal Filename(s)	P250412A_01	Extracted	03/07/2025 12:00
Method Blank ID	BLANK-117861	Analyzed	04/12/2025 16:57

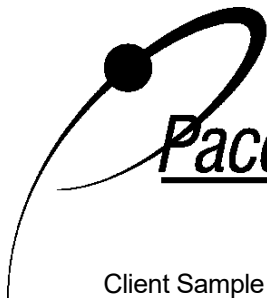
PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery
Labeled Analytes						
13C-2-MoCB	1	9.859	2.97	2.0	1.15	57
13C-4-MoCB	3	12.755	3.09	2.0	1.19	60
13C-2,2'-DiCB	4	13.066	1.67	2.0	0.912	46
13C-4,4'-DiCB	15	20.259	1.65	2.0	1.35	67
13C-2,2',6-TrCB	19	16.956	1.06	2.0	1.05	53
13C-3,4,4'-TrCB	37	28.099	1.08	2.0	1.65	83
13C-2,2',6,6'-TeCB	54	20.599	0.80	2.0	1.22	61
13C-3,4,4',5-TeCB	81	35.266	0.79	2.0	1.88	94
13C-3,3',4,4'-TeCB	77	35.879	0.82	2.0	1.94	97
13C-2,2',4,6,6'-PeCB	104	26.777	1.64	2.0	1.06	53
13C-2,3,3',4,4'-PeCB	105	39.482	1.60	2.0	1.69	85
13C-2,3,4,4',5-PeCB	114	38.832	1.59	2.0	1.69	85
13C-2,3',4,4',5-PeCB	118	38.268	1.61	2.0	1.70	85
13C-2,3',4,4',5'-PeCB	123	37.925	1.58	2.0	1.69	84
13C-3,3',4,4',5-PeCB	126	42.664	1.64	2.0	1.80	90
13C-2,2',4,4',6,6'-HxCB	155	32.879	1.33	2.0	1.20	60
13C-HxCB (156/157)	156/157	45.749	1.29	4.0	3.39	85
13C-2,3',4,4',5,5'-HxCB	167	44.568	1.25	2.0	1.67	83
13C-3,3',4,4',5,5'-HxCB	169	49.068	1.32	2.0	1.72	86
13C-2,2',3,4',5,6,6'-HpCB	188	38.815	1.09	2.0	1.11	55
13C-2,3,3',4,4',5,5'-HpCB	189	51.634	1.07	2.0	1.58	79
13C-2,2',3,3',5,5',6,6'-OxCB	202	44.312	0.92	2.0	1.17	59
13C-2,3,3',4,4',5,5',6-OxCB	205	54.255	0.94	2.0	1.37	69
13C-2,2',3,3',4,4',5,5',6-NoCB	206	56.010	0.77	2.0	1.22	61
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	51.123	0.82	2.0	1.26	63
13C-DeCB	209	57.610	0.71	2.0	1.13	56
CleanupStandards						
13C-2,4,4'-TrCB	28	23.712	1.06	2.0	1.55	77
13C-2,3,3',5,5'-PeCB	111	35.927	1.56	2.0	1.42	71
13C-2,2',3,3',5,5',6-HpCB	178	41.929	1.10	2.0	1.31	66
Recovery Standards						
13C-2,5-DiCB	9	15.609	1.57	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.728	0.79	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	33.089	1.63	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	41.484	1.26	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	53.767	0.91	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses
Results reported on a dry weight basis

* = See Discussion
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ng's = Nanograms

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-32-34-250207
Lab Sample ID 10723332022
Filename P250412A_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	4.92
2		---	---	ND	---	6.87
3		---	---	ND	---	8.79
4		---	---	ND A	---	8.69
5		---	---	ND	---	3.70
6		---	---	ND	---	3.47
7		---	---	ND	---	3.23
8		---	---	ND	---	7.95
9		---	---	ND	---	3.81
10		---	---	ND	---	4.48
11		19.556	1.65	138 BJ	---	128
12	12/13	---	---	ND	---	6.86
13	12/13	---	---	ND	---	6.86
14		---	---	ND	---	3.45
15		---	---	ND	---	6.78
16		---	---	ND	---	7.18
17		---	---	ND	---	6.97
18	18/30	---	---	ND	---	15.0
19		---	---	ND	---	4.58
20	20/28	---	---	ND	---	37.7
21	21/33	---	---	ND	---	21.5
22		---	---	ND	---	18.1
23		---	---	ND	---	3.91
24		---	---	ND	---	4.13
25		---	---	ND	---	4.28
26	26/29	---	---	ND	---	8.49
27		---	---	ND	---	4.75
28	20/28	---	---	ND	---	37.7
29	26/29	---	---	ND	---	8.49
30	18/30	---	---	ND	---	15.0
31		---	---	ND	---	31.7
32		---	---	ND	---	6.83
33	21/33	---	---	ND	---	21.5
34		---	---	ND	---	3.97
35		---	---	ND	---	4.26
36		---	---	ND	---	3.65
37		---	---	ND	---	9.64
38		---	---	ND	---	3.40
39		---	---	ND	---	4.03
40	40/41/71	---	---	ND	---	14.7
41	40/41/71	---	---	ND	---	14.7
42		---	---	ND	---	8.28
43	43/73	---	---	ND	---	14.5
44	44/47/65	---	---	ND	---	31.3

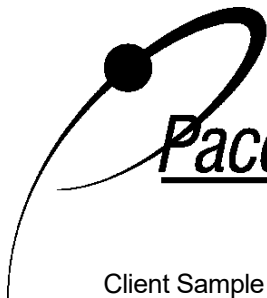
Conc = Concentration
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-32-34-250207
Lab Sample ID 10723332022
Filename P250412A_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
45	45/51	---	---	ND	---	9.05
46		---	---	ND	---	4.14
47	44/47/65	---	---	ND	---	31.3
48		---	---	ND	---	5.17
49	49/69	---	---	ND	---	15.1
50	50/53	---	---	ND	---	8.08
51	45/51	---	---	ND	---	9.05
52		---	---	ND	---	28.4
53	50/53	---	---	ND	---	8.08
54		---	---	ND	---	3.89
55		---	---	ND	---	4.26
56		---	---	ND	---	9.50
57		---	---	ND	---	3.86
58		---	---	ND	---	3.45
59	59/62/75	---	---	ND	---	11.4
60		---	---	ND	---	7.75
61	61/70/74/76	---	---	ND	---	33.0
62	59/62/75	---	---	ND	---	11.4
63		---	---	ND	---	3.36
64		---	---	ND	---	11.8
65	44/47/65	---	---	ND	---	31.3
66		---	---	ND	---	20.3
67		---	---	ND	---	3.52
68		---	---	ND	---	3.18
69	49/69	---	---	ND	---	15.1
70	61/70/74/76	---	---	ND	---	33.0
71	40/41/71	---	---	ND	---	14.7
72		---	---	ND	---	3.18
73	43/73	---	---	ND	---	14.5
74	61/70/74/76	---	---	ND	---	33.0
75	59/62/75	---	---	ND	---	11.4
76	61/70/74/76	---	---	ND	---	33.0
77		---	---	ND	---	3.86
78		---	---	ND	---	3.38
79		---	---	ND	---	3.05
80		---	---	ND	---	2.74
81		---	---	ND	---	3.26
82		---	---	ND	---	8.92
83		---	---	ND A	---	4.91
84		---	---	ND	---	5.81
85	85/116/117	---	---	ND	---	11.7
86	86/87/97/108/119/125	---	---	ND	---	22.6
87	86/87/97/108/119/125	---	---	ND	---	22.6
88	88/91	---	---	ND	---	7.82

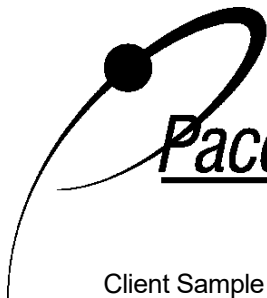
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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-32-34-250207
Lab Sample ID 10723332022
Filename P250412A_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
89		---	---	ND	---	4.77
90	90/101/113	---	---	ND	---	14.4
91	88/91	---	---	ND	---	7.82
92		---	---	ND	---	4.52
93	93/98/100/102	---	---	ND	---	16.2
94		---	---	ND	---	3.92
95		---	---	ND	---	18.7
96		---	---	ND	---	4.95
97	86/87/97/108/119/125	---	---	ND	---	22.6
98	93/98/100/102	---	---	ND	---	16.2
99		---	---	ND	---	7.53
100	93/98/100/102	---	---	ND	---	16.2
101	90/101/113	---	---	ND	---	14.4
102	93/98/100/102	---	---	ND	---	16.2
103		---	---	ND	---	4.61
104		---	---	ND A	---	4.13
105		---	---	ND	---	5.72
106		---	---	ND	---	3.06
107	107/124	---	---	ND	---	6.50
108	86/87/97/108/119/125	---	---	ND	---	22.6
109		---	---	ND	---	3.99
110	110/115	---	---	ND	---	16.7
111		---	---	ND	---	3.90
112		---	---	ND	---	5.13
113	90/101/113	---	---	ND	---	14.4
114		---	---	ND	---	3.20
115	110/115	---	---	ND	---	16.7
116	85/116/117	---	---	ND	---	11.7
117	85/116/117	---	---	ND	---	11.7
118		---	---	ND	---	9.95
119	86/87/97/108/119/125	---	---	ND	---	22.6
120		---	---	ND	---	4.22
121		---	---	ND	---	4.48
122		---	---	ND	---	3.70
123		---	---	ND	---	4.15
124	107/124	---	---	ND	---	6.50
125	86/87/97/108/119/125	---	---	ND	---	22.6
126		---	---	ND	---	3.69
127		---	---	ND	---	3.35
128	128/166	---	---	ND	---	6.37
129	129/138/163	---	---	ND	---	13.0
130		---	---	ND	---	4.08
131		---	---	ND	---	4.05
132		---	---	ND	---	4.20

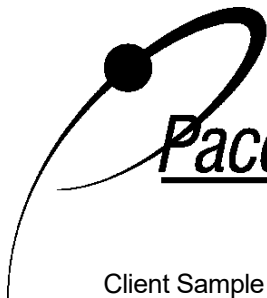
Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

ND = Not Detected
NA = Not Applicable
NC = Not Calculated
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ng's = Nanograms

Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-32-34-250207
Lab Sample ID 10723332022
Filename P250412A_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
133		---	---	ND	---	3.71
134	134/143	---	---	ND	---	6.29
135	135/151	---	---	ND	---	9.13
136		---	---	ND	---	4.75
137		---	---	ND	---	3.55
138	129/138/163	---	---	ND	---	13.0
139	139/140	---	---	ND	---	6.42
140	139/140	---	---	ND	---	6.42
141		---	---	ND	---	3.59
142		---	---	ND	---	3.47
143	134/143	---	---	ND	---	6.29
144		---	---	ND	---	4.32
145		---	---	ND	---	4.30
146		---	---	ND	---	4.06
147	147/149	---	---	ND	---	9.75
148		---	---	ND	---	6.90
149	147/149	---	---	ND	---	9.75
150		---	---	ND	---	3.79
151	135/151	---	---	ND	---	9.13
152		---	---	ND	---	4.85
153	153/168	---	---	ND	---	8.21
154		---	---	ND	---	3.99
155		---	---	ND	---	3.11
156	156/157	---	---	ND	---	6.35
157	156/157	---	---	ND	---	6.35
158		---	---	ND	---	3.18
159		---	---	ND	---	4.12
160		---	---	ND	---	3.04
161		---	---	ND	---	2.69
162		---	---	ND	---	3.59
163	129/138/163	---	---	ND	---	13.0
164		---	---	ND	---	4.06
165		---	---	ND	---	3.31
166	128/166	---	---	ND	---	6.37
167		---	---	ND	---	3.84
168	153/168	---	---	ND	---	8.21
169		---	---	ND	---	3.40
170		---	---	ND	---	5.12
171	171/173	---	---	ND	---	7.01
172		---	---	ND A	---	4.58
173	171/173	---	---	ND	---	7.01
174		---	---	ND	---	5.01
175		---	---	ND	---	3.46
176		---	---	ND	---	4.28

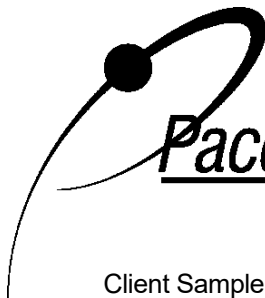
Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
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Results reported on a dry weight basis

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-32-34-250207
Lab Sample ID 10723332022
Filename P250412A_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
177		---	---	ND A	---	4.74
178		---	---	ND	---	4.66
179		---	---	ND	---	4.68
180	180/193	---	---	ND	---	9.25
181		---	---	ND A	---	4.46
182		---	---	ND	---	3.85
183	183/185	---	---	ND	---	7.60
184		---	---	ND	---	3.48
185	183/185	---	---	ND	---	7.60
186		---	---	ND	---	4.07
187		---	---	ND	---	4.72
188		---	---	ND	---	3.49
189		---	---	ND	---	4.35
190		---	---	ND	---	4.50
191		---	---	ND	---	3.86
192		---	---	ND	---	4.62
193	180/193	---	---	ND	---	9.25
194		---	---	ND	---	4.97
195		---	---	ND	---	5.04
196		---	---	ND A	---	6.29
197	197/200	---	---	ND	---	8.06
198	198/199	---	---	ND	---	8.30
199	198/199	---	---	ND	---	8.30
200	197/200	---	---	ND	---	8.06
201		---	---	ND A	---	4.61
202		---	---	ND A	---	5.07
203		---	---	ND A	---	5.92
204		---	---	ND A	---	4.75
205		---	---	ND	---	3.56
206		---	---	ND	---	5.20
207		---	---	ND	---	4.42
208		---	---	ND	---	3.49
209		---	---	ND	---	4.61

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

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**Method 1668A Polychlorobiphenyl
Sample Analysis Results**

Client Sample ID SB-04-32-34-250207
Lab Sample ID 10723332022
Filename P250412A_08

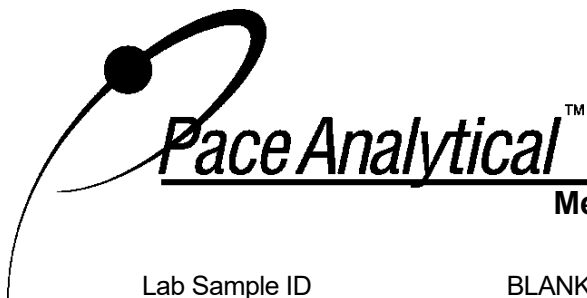
Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	138
Total Trichloro Biphenyls	ND
Total Tetrachloro Biphenyls	ND
Total Pentachloro Biphenyls	ND
Total Hexachloro Biphenyls	ND
Total Heptachloro Biphenyls	ND
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	138

ND = Not Detected

Results reported on a dry weight basis

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Method 1668A Polychlorobiphenyl Blank Analysis Results

Lab Sample ID	BLANK-117852		
Filename	P250310A_11		
Injected By	AH5	Matrix	Solid
Total Amount Extracted	10.4 g	Extracted	03/06/2025 14:00
ICAL ID	P250310A03	Analyzed	03/10/2025 17:13
CCal Filename(s)	P250310A_02	Dilution	NA

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery

Labeled Analytes

13C-2-MoCB	1	9.552	3.12	2.0	1.04	52
13C-4-MoCB	3	12.391	3.16	2.0	1.08	54
13C-2,2'-DiCB	4	12.708	1.77	2.0	1.00	50
13C-4,4'-DiCB	15	19.830	1.60	2.0	1.55	77
13C-2,2',6-TrCB	19	16.559	1.12	2.0	1.45	73
13C-3,4,4'-TrCB	37	27.647	1.10	2.0	1.51	75
13C-2,2',6,6'-TeCB	54	20.175	0.81	2.0	1.08	54
13C-3,4,4',5-TeCB	81	34.784	0.82	2.0	1.91	96
13C-3,3',4,4'-TeCB	77	35.372	0.83	2.0	2.04	102
13C-2,2',4,6,6'-PeCB	104	26.316	1.58	2.0	1.26	63
13C-2,3,3',4,4'-PeCB	105	38.997	1.59	2.0	1.86	93
13C-2,3,4,4',5-PeCB	114	38.343	1.61	2.0	1.82	91
13C-2,3',4,4',5-PeCB	118	37.790	1.60	2.0	1.80	90
13C-2,3',4,4',5'-PeCB	123	37.438	1.60	2.0	1.81	90
13C-3,3',4,4',5-PeCB	126	42.167	1.63	2.0	2.12	106
13C-2,2',4,4',6,6'-HxCB	155	32.387	1.26	2.0	1.12	56
13C-HxCB (156/157)	156/157	45.257	1.26	4.0	3.10	77
13C-2,3',4,4',5,5'-HxCB	167	44.067	1.31	2.0	1.57	79
13C-3,3',4,4',5,5'-HxCB	169	48.544	1.28	2.0	1.67	84
13C-2,2',3,4',5,6,6'-HpCB	188	38.327	1.05	2.0	1.44	72
13C-2,3,3',4,4',5,5'-HpCB	189	51.096	1.05	2.0	1.69	85
13C-2,2',3,3',5,5',6-OcCB	202	43.815	0.92	2.0	1.48	74
13C-2,3,3',4,4',5,5',6-OcCB	205	53.703	0.89	2.0	1.54	77
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.449	0.82	2.0	1.41	70
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	50.600	0.83	2.0	1.51	76
13C-DeCB	209	57.066	0.71	2.0	1.35	68

Cleanup Standards

13C-2,4,4'-TrCB	28	23.269	1.11	2.0	1.33	66
13C-2,3,3',5,5'-PeCB	111	35.418	1.60	2.0	1.74	87
13C-2,2',3,3',5,5',6-HpCB	178	41.446	1.07	2.0	1.48	74

Recovery Standards

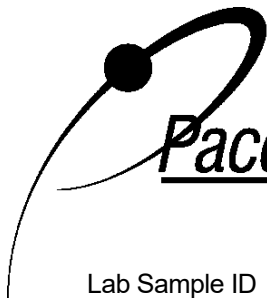
13C-2,5-DiCB	9	15.211	1.65	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.280	0.78	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	32.603	1.63	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	40.993	1.31	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OcCB	194	53.229	0.89	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference
ng's = Nanograms

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**Method 1668A Polychlorobiphenyl
Blank Analysis Results**

Lab Sample ID BLANK-117852
Filename P250310A_11

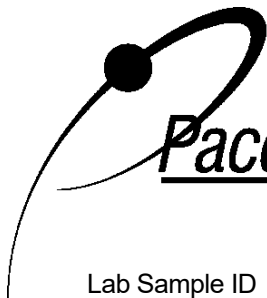
IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	3.45
2		---	---	ND	---	3.62
3		---	---	ND	---	3.63
4		---	---	ND A	---	18.5
5		---	---	ND A	---	2.94
6		---	---	ND	---	3.79
7		---	---	ND	---	3.39
8		16.216	1.61	6.94 J	---	6.60
9		---	---	ND	---	3.26
10		---	---	ND A	---	7.17
11		19.134	1.52	205 J	---	88.2
12	12/13	---	---	ND	---	6.75
13	12/13	---	---	ND	---	6.75
14		---	---	ND	---	2.77
15		---	---	ND	---	6.28
16		---	---	ND	---	6.85
17		---	---	ND	---	7.68
18	18/30	---	---	ND	---	17.2
19		---	---	ND	---	2.68
20	20/28	---	---	ND	---	25.8
21	21/33	---	---	ND	---	14.2
22		---	---	ND	---	12.0
23		---	---	ND	---	2.69
24		---	---	ND	---	3.79
25		---	---	ND	---	3.35
26	26/29	---	---	ND	---	6.15
27		---	---	ND	---	4.64
28	20/28	---	---	ND	---	25.8
29	26/29	---	---	ND	---	6.15
30	18/30	---	---	ND	---	17.2
31		---	---	ND	---	21.9
32		---	---	ND	---	7.50
33	21/33	---	---	ND	---	14.2
34		---	---	ND	---	2.95
35		27.229	0.99	3.71 J	---	3.56
36		---	---	ND	---	2.66
37		27.662	1.11	5.87 J	---	5.71
38		---	---	ND	---	2.27
39		---	---	ND	---	2.98
40	40/41/71	---	---	ND	---	13.4
41	40/41/71	---	---	ND	---	13.4
42		---	---	ND	---	5.34
43	43/73	---	---	ND	---	10.9
44	44/47/65	26.409	0.78	23.9 J	---	20.2
45	45/51	---	---	ND	---	10.0

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

**Method 1668A Polychlorobiphenyl
Blank Analysis Results**

Lab Sample ID BLANK-117852
Filename P250310A_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
46		---	---	ND	---	3.35
47	44/47/65	26.409	0.78	(23.9) J	---	20.2
48		---	---	ND	---	4.08
49	49/69	---	---	ND	---	10.7
50	50/53	---	---	ND	---	8.08
51	45/51	---	---	ND	---	10.0
52		25.311	0.77	27.0 J	---	22.3
53	50/53	---	---	ND	---	8.08
54		---	---	ND	---	2.37
55		---	---	ND	---	3.24
56		31.505	0.82	6.46 J	---	5.45
57		---	---	ND	---	2.46
58		---	---	ND	---	2.10
59	59/62/75	---	---	ND	---	5.66
60		---	---	ND	---	5.55
61	61/70/74/76	30.469	0.79	22.6 J	---	16.6
62	59/62/75	---	---	ND	---	5.66
63		---	---	ND	---	2.58
64		27.724	0.79	7.38 J	---	5.74
65	44/47/65	26.409	0.78	(23.9) J	---	20.2
66		---	---	ND	---	14.1
67		---	---	ND	---	2.35
68		---	---	ND	---	2.63
69	49/69	---	---	ND	---	10.7
70	61/70/74/76	30.469	0.79	(22.6) J	---	16.6
71	40/41/71	---	---	ND	---	13.4
72		---	---	ND	---	2.24
73	43/73	---	---	ND	---	10.9
74	61/70/74/76	30.469	0.79	(22.6) J	---	16.6
75	59/62/75	---	---	ND	---	5.66
76	61/70/74/76	30.469	0.79	(22.6) J	---	16.6
77		---	---	ND	---	3.07
78		---	---	ND	---	2.82
79		---	---	ND	---	2.85
80		---	---	ND	---	1.73
81		---	---	ND	---	2.28
82		---	---	ND	---	7.12
83		---	---	ND	---	2.90
84		---	---	ND	---	4.34
85	85/116/117	---	---	ND	---	7.16
86	86/87/97/108/119/125	---	---	ND	---	13.1
87	86/87/97/108/119/125	---	---	ND	---	13.1
88	88/91	---	---	ND	---	6.43
89		---	---	ND	---	3.28
90	90/101/113	---	---	ND	---	12.6

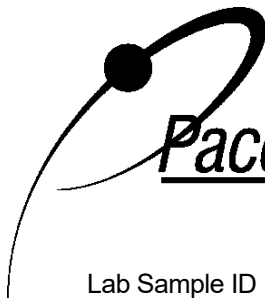
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Fax: 612-607-6444

**Method 1668A Polychlorobiphenyl
Blank Analysis Results**

Lab Sample ID BLANK-117852
Filename P250310A_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
91	88/91	---	---	ND	---	6.43
92		---	---	ND	---	3.62
93	93/98/100/102	---	---	ND	---	9.26
94		---	---	ND	---	2.19
95		---	---	ND	---	15.4
96		---	---	ND	---	4.11
97	86/87/97/108/119/125	---	---	ND	---	13.1
98	93/98/100/102	---	---	ND	---	9.26
99		---	---	ND	---	4.86
100	93/98/100/102	---	---	ND	---	9.26
101	90/101/113	---	---	ND	---	12.6
102	93/98/100/102	---	---	ND	---	9.26
103		---	---	ND	---	3.14
104		---	---	ND	---	2.79
105		---	---	ND	---	4.28
106		---	---	ND	---	2.52
107	107/124	---	---	ND	---	4.31
108	86/87/97/108/119/125	---	---	ND	---	13.1
109		---	---	ND	---	3.33
110	110/115	34.692	1.64	10.0 J	---	8.63
111		---	---	ND	---	2.57
112		---	---	ND	---	2.62
113	90/101/113	---	---	ND	---	12.6
114		---	---	ND	---	2.31
115	110/115	34.692	1.64	(10.0) J	---	8.63
116	85/116/117	---	---	ND	---	7.16
117	85/116/117	---	---	ND	---	7.16
118		37.807	1.74	6.22 J	---	6.18
119	86/87/97/108/119/125	---	---	ND	---	13.1
120		---	---	ND	---	2.74
121		---	---	ND	---	2.31
122		---	---	ND	---	3.79
123		---	---	ND	---	2.68
124	107/124	---	---	ND	---	4.31
125	86/87/97/108/119/125	---	---	ND	---	13.1
126		---	---	ND	---	2.43
127		---	---	ND	---	2.71
128	128/166	---	---	ND	---	5.27
129	129/138/163	---	---	ND	---	10.5
130		---	---	ND	---	2.89
131		---	---	ND	---	3.18
132		---	---	ND	---	4.61
133		---	---	ND	---	3.04
134	134/143	---	---	ND	---	4.44
135	135/151	---	---	ND	---	8.93

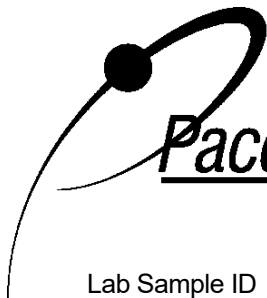
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**Method 1668A Polychlorobiphenyl
Blank Analysis Results**

Lab Sample ID
Filename

BLANK-117852
P250310A_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
136		---	---	ND	---	4.61
137		---	---	ND	---	3.48
138	129/138/163	---	---	ND	---	10.5
139	139/140	---	---	ND	---	4.26
140	139/140	---	---	ND	---	4.26
141		---	---	ND	---	3.90
142		---	---	ND	---	2.82
143	134/143	---	---	ND	---	4.44
144		---	---	ND	---	3.89
145		---	---	ND	---	2.53
146		---	---	ND	---	3.81
147	147/149	---	---	ND	---	11.2
148		---	---	ND	---	5.28
149	147/149	---	---	ND	---	11.2
150		---	---	ND	---	2.85
151	135/151	---	---	ND	---	8.93
152		---	---	ND	---	3.10
153	153/168	---	---	ND	---	7.36
154		---	---	ND	---	3.20
155		---	---	ND	---	2.87
156	156/157	---	---	ND	---	4.11
157	156/157	---	---	ND	---	4.11
158		---	---	ND	---	2.24
159		---	---	ND	---	2.69
160		---	---	ND	---	2.75
161		---	---	ND	---	2.21
162		---	---	ND	---	2.47
163	129/138/163	---	---	ND	---	10.5
164		---	---	ND	---	2.87
165		---	---	ND	---	2.04
166	128/166	---	---	ND	---	5.27
167		---	---	ND	---	2.83
168	153/168	---	---	ND	---	7.36
169		---	---	ND	---	3.12
170		---	---	ND	---	4.90
171	171/173	---	---	ND	---	4.55
172		---	---	ND	---	3.11
173	171/173	---	---	ND	---	4.55
174		---	---	ND	---	5.13
175		---	---	ND	---	2.39
176		---	---	ND	---	3.36
177		---	---	ND	---	4.16
178		---	---	ND	---	3.35
179		---	---	ND	---	3.73
180	180/193	---	---	ND	---	8.87

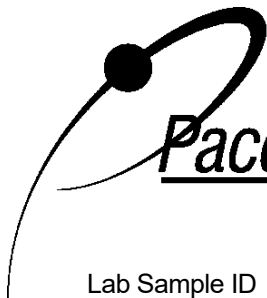
Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
X = Outside QC Limits
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REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Blank Analysis Results**

Lab Sample ID BLANK-117852
Filename P250310A_11

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
181		---	---	ND	---	2.77
182		---	---	ND	---	3.09
183	183/185	---	---	ND	---	5.98
184		---	---	ND	---	2.64
185	183/185	---	---	ND	---	5.98
186		---	---	ND	---	2.81
187		---	---	ND	---	5.47
188		---	---	ND	---	2.11
189		---	---	ND	---	3.21
190		---	---	ND	---	2.68
191		---	---	ND	---	2.15
192		---	---	ND	---	2.73
193	180/193	---	---	ND	---	8.87
194		---	---	ND	---	3.27
195		---	---	ND	---	2.89
196		---	---	ND	---	2.72
197	197/200	---	---	ND	---	5.83
198	198/199	---	---	ND	---	4.48
199	198/199	---	---	ND	---	4.48
200	197/200	---	---	ND	---	5.83
201		---	---	ND	---	2.37
202		---	---	ND	---	1.69
203		---	---	ND	---	3.29
204		---	---	ND	---	2.21
205		---	---	ND	---	2.69
206		---	---	ND A	---	5.56
207		---	---	ND A	---	3.47
208		---	---	ND A	---	3.40
209		---	---	ND A	---	3.59

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

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REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Blank Analysis Results**

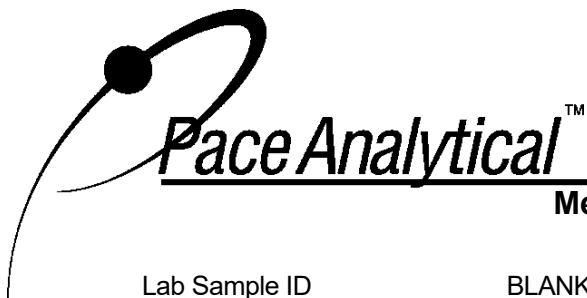
Client Sample ID CBLKFF
Lab Sample ID BLANK-117852
Filename P250310A_11

Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	212
Total Trichloro Biphenyls	9.58
Total Tetrachloro Biphenyls	87.4
Total Pentachloro Biphenyls	16.2
Total Hexachloro Biphenyls	ND
Total Heptachloro Biphenyls	ND
Total Octachloro Biphenyls	ND
Total Nonachloro Biphenyls	ND
Decachloro Biphenyls	ND
Total PCBs	325

ND = Not Detected

REPORT OF LABORATORY ANALYSIS

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**Method 1668A Polychlorobiphenyl
Blank Analysis Results**

Lab Sample ID	BLANK-117861		
Filename	Y250314A_08		
Injected By	AH5	Matrix	Solid
Total Amount Extracted	10.8 g	Extracted	03/07/2025 12:00
ICAL ID	Y250314A04	Analyzed	03/14/2025 14:07
CCal Filename(s)	Y250314A_03	Dilution	NA

PCB Isomer	IUPAC	RT	Ratio	ng's Added	ng's Found	% Recovery

Labeled Analytes

13C-2-MoCB	1	9.540	3.07	2.0	1.11	56
13C-4-MoCB	3	12.344	2.96	2.0	1.22	61
13C-2,2'-DiCB	4	12.655	1.55	2.0	1.31	65
13C-4,4'-DiCB	15	19.710	1.61	2.0	1.37	69
13C-2,2',6-TrCB	19	16.475	1.04	2.0	1.52	76
13C-3,4,4'-TrCB	37	27.457	1.07	2.0	1.22	61
13C-2,2',6,6'-TeCB	54	20.045	0.77	2.0	1.11	56
13C-3,4,4',5-TeCB	81	34.537	0.76	2.0	1.44	72
13C-3,3',4,4'-TeCB	77	35.124	0.79	2.0	1.53	76
13C-2,2',4,6,6'-PeCB	104	26.149	1.53	2.0	1.22	61
13C-2,3,3',4,4'-PeCB	105	38.717	1.61	2.0	1.36	68
13C-2,3,4,4',5-PeCB	114	38.064	1.55	2.0	1.31	65
13C-2,3',4,4',5-PeCB	118	37.510	1.60	2.0	1.30	65
13C-2,3',4,4',5'-PeCB	123	37.175	1.60	2.0	1.28	64
13C-3,3',4,4',5-PeCB	126	41.853	1.57	2.0	1.49	75
13C-2,2',4,4',6,6'-HxCB	155	32.173	1.26	2.0	1.21	60
13C-HxCB (156/157)	156/157	44.927	1.25	4.0	2.58	65
13C-2,3',4,4',5,5'-HxCB	167	43.770	1.23	2.0	1.29	64
13C-3,3',4,4',5,5'-HxCB	169	48.213	1.24	2.0	1.48	74
13C-2,2',3,4',5,6,6'-HpCB	188	38.064	1.06	2.0	1.26	63
13C-2,3,3',4,4',5,5'-HpCB	189	50.762	1.09	2.0	1.21	60
13C-2,2',3,3',5,5',6,6'-OxCB	202	43.518	0.91	2.0	1.24	62
13C-2,3,3',4,4',5,5',6-OxCB	205	53.370	0.93	2.0	1.27	64
13C-2,2',3,3',4,4',5,5',6-NoCB	206	55.137	0.76	2.0	1.44	72
13C-2,2',3,3',4,5,5',6,6'-NoCB	208	50.288	0.78	2.0	1.35	68
13C-DeCB	209	56.775	0.71	2.0	1.55	77

Cleanup Standards

13C-2,4,4'-TrCB	28	23.114	1.08	2.0	1.05	53
13C-2,3,3',5,5'-PeCB	111	35.174	1.58	2.0	1.32	66
13C-2,2',3,3',5,5',6-HpCB	178	41.149	1.10	2.0	1.55	77

Recovery Standards

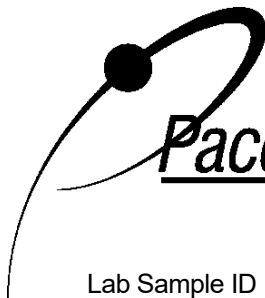
13C-2,5-DiCB	9	15.181	1.59	2.0	NA	NA
13C-2,2',5,5'-TeCB	52	25.109	0.77	2.0	NA	NA
13C-2,2',4,5,5'-PeCB	101	32.374	1.58	2.0	NA	NA
13C-2,2',3,4,4',5'-HxCB	138	40.696	1.26	2.0	NA	NA
13C-2,2',3,3',4,4',5,5'-OxCB	194	52.896	0.90	2.0	NA	NA

R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

* = See Discussion
X = Outside QC Limits
RT = Retention Time
I = Interference
ng's = Nanograms

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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

**Method 1668A Polychlorobiphenyl
Blank Analysis Results**

Lab Sample ID BLANK-117861
Filename Y250314A_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
1		---	---	ND	---	3.31
2		---	---	ND	---	3.48
3		---	---	ND	---	3.49
4		---	---	ND A	---	10.1
5		---	---	ND A	---	5.83
6		---	---	ND A	---	5.36
7		---	---	ND A	---	5.16
8		---	---	ND	---	6.34
9		---	---	ND A	---	5.43
10		---	---	ND A	---	6.40
11		19.027	1.44	90.7 J	---	84.6
12	12/13	---	---	ND	---	6.48
13	12/13	---	---	ND	---	6.48
14		---	---	ND A	---	5.06
15		---	---	ND	---	6.03
16		---	---	ND	---	6.58
17		---	---	ND	---	7.37
18	18/30	---	---	ND	---	16.6
19		---	---	ND	---	2.57
20	20/28	---	---	ND	---	24.8
21	21/33	---	---	ND	---	13.6
22		---	---	ND	---	11.6
23		---	---	ND	---	2.58
24		---	---	ND	---	3.64
25		---	---	ND	---	3.22
26	26/29	---	---	ND	---	5.90
27		---	---	ND	---	4.46
28	20/28	---	---	ND	---	24.8
29	26/29	---	---	ND	---	5.90
30	18/30	---	---	ND	---	16.6
31		---	---	ND	---	21.0
32		---	---	ND	---	7.20
33	21/33	---	---	ND	---	13.6
34		---	---	ND	---	2.83
35		---	---	ND	---	3.42
36		---	---	ND	---	2.55
37		---	---	ND	---	5.49
38		---	---	ND	---	2.18
39		---	---	ND	---	2.86
40	40/41/71	---	---	ND	---	12.9
41	40/41/71	---	---	ND	---	12.9
42		---	---	ND	---	5.12
43	43/73	---	---	ND	---	10.5
44	44/47/65	---	---	ND	---	19.4
45	45/51	---	---	ND	---	9.62

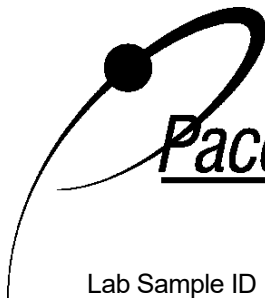
Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

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Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

**Method 1668A Polychlorobiphenyl
Blank Analysis Results**

Lab Sample ID BLANK-117861
Filename Y250314A_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
46		---	---	ND	---	3.22
47	44/47/65	---	---	ND	---	19.4
48		---	---	ND	---	3.92
49	49/69	---	---	ND	---	10.3
50	50/53	---	---	ND	---	7.76
51	45/51	---	---	ND	---	9.62
52		---	---	ND	---	21.4
53	50/53	---	---	ND	---	7.76
54		---	---	ND	---	2.28
55		---	---	ND	---	3.11
56		---	---	ND	---	5.24
57		---	---	ND	---	2.36
58		---	---	ND	---	2.02
59	59/62/75	---	---	ND	---	5.44
60		---	---	ND	---	5.33
61	61/70/74/76	---	---	ND	---	15.9
62	59/62/75	---	---	ND	---	5.44
63		---	---	ND	---	2.48
64		---	---	ND	---	5.51
65	44/47/65	---	---	ND	---	19.4
66		---	---	ND	---	13.5
67		---	---	ND	---	2.26
68		---	---	ND	---	2.53
69	49/69	---	---	ND	---	10.3
70	61/70/74/76	---	---	ND	---	15.9
71	40/41/71	---	---	ND	---	12.9
72		---	---	ND	---	2.16
73	43/73	---	---	ND	---	10.5
74	61/70/74/76	---	---	ND	---	15.9
75	59/62/75	---	---	ND	---	5.44
76	61/70/74/76	---	---	ND	---	15.9
77		---	---	ND	---	2.95
78		---	---	ND	---	2.71
79		---	---	ND	---	2.74
80		---	---	ND	---	1.67
81		---	---	ND	---	2.19
82		---	---	ND	---	6.84
83		---	---	ND	---	2.78
84		---	---	ND	---	4.17
85	85/116/117	---	---	ND	---	6.87
86	86/87/97/108/119/125	---	---	ND	---	12.6
87	86/87/97/108/119/125	---	---	ND	---	12.6
88	88/91	---	---	ND	---	6.17
89		---	---	ND	---	3.15
90	90/101/113	---	---	ND	---	12.1

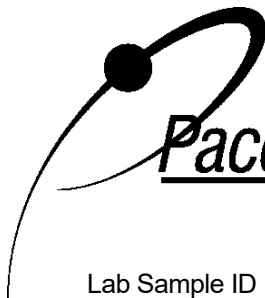
Conc = Concentration
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**Method 1668A Polychlorobiphenyl
Blank Analysis Results**

Lab Sample ID BLANK-117861
Filename Y250314A_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
91	88/91	---	---	ND	---	6.17
92		---	---	ND	---	3.48
93	93/98/100/102	---	---	ND	---	8.89
94		---	---	ND	---	2.10
95		---	---	ND	---	14.8
96		---	---	ND	---	3.95
97	86/87/97/108/119/125	---	---	ND	---	12.6
98	93/98/100/102	---	---	ND	---	8.89
99		---	---	ND	---	4.66
100	93/98/100/102	---	---	ND	---	8.89
101	90/101/113	---	---	ND	---	12.1
102	93/98/100/102	---	---	ND	---	8.89
103		---	---	ND	---	3.02
104		---	---	ND	---	2.68
105		---	---	ND	---	4.11
106		---	---	ND	---	2.42
107	107/124	---	---	ND	---	4.14
108	86/87/97/108/119/125	---	---	ND	---	12.6
109		---	---	ND	---	3.20
110	110/115	---	---	ND	---	8.29
111		---	---	ND	---	2.47
112		---	---	ND	---	2.52
113	90/101/113	---	---	ND	---	12.1
114		---	---	ND	---	2.22
115	110/115	---	---	ND	---	8.29
116	85/116/117	---	---	ND	---	6.87
117	85/116/117	---	---	ND	---	6.87
118		---	---	ND	---	5.93
119	86/87/97/108/119/125	---	---	ND	---	12.6
120		---	---	ND	---	2.63
121		---	---	ND	---	2.22
122		---	---	ND	---	3.64
123		---	---	ND	---	2.57
124	107/124	---	---	ND	---	4.14
125	86/87/97/108/119/125	---	---	ND	---	12.6
126		---	---	ND	---	2.33
127		---	---	ND	---	2.60
128	128/166	---	---	ND	---	5.06
129	129/138/163	---	---	ND	---	10.1
130		---	---	ND	---	2.78
131		---	---	ND	---	3.05
132		---	---	ND	---	4.42
133		---	---	ND	---	2.92
134	134/143	---	---	ND	---	4.26
135	135/151	---	---	ND	---	8.58

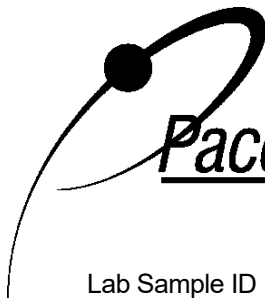
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**Method 1668A Polychlorobiphenyl
Blank Analysis Results**

Lab Sample ID BLANK-117861
Filename Y250314A_08

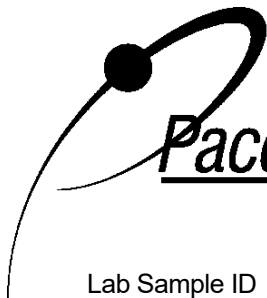
IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
136		---	---	ND	---	4.42
137		---	---	ND	---	3.34
138	129/138/163	---	---	ND	---	10.1
139	139/140	---	---	ND	---	4.09
140	139/140	---	---	ND	---	4.09
141		---	---	ND	---	3.75
142		---	---	ND	---	2.71
143	134/143	---	---	ND	---	4.26
144		---	---	ND	---	3.74
145		---	---	ND	---	2.43
146		---	---	ND	---	3.65
147	147/149	---	---	ND	---	10.7
148		---	---	ND	---	5.07
149	147/149	---	---	ND	---	10.7
150		---	---	ND	---	2.74
151	135/151	---	---	ND	---	8.58
152		---	---	ND	---	2.98
153	153/168	---	---	ND	---	7.07
154		---	---	ND	---	3.07
155		---	---	ND	---	2.76
156	156/157	---	---	ND	---	3.95
157	156/157	---	---	ND	---	3.95
158		---	---	ND	---	2.16
159		---	---	ND	---	2.58
160		---	---	ND	---	2.64
161		---	---	ND	---	2.12
162		---	---	ND	---	2.37
163	129/138/163	---	---	ND	---	10.1
164		---	---	ND	---	2.76
165		---	---	ND	---	1.96
166	128/166	---	---	ND	---	5.06
167		---	---	ND	---	2.72
168	153/168	---	---	ND	---	7.07
169		---	---	ND	---	3.00
170		---	---	ND	---	4.71
171	171/173	---	---	ND	---	4.37
172		---	---	ND	---	2.99
173	171/173	---	---	ND	---	4.37
174		---	---	ND	---	4.92
175		---	---	ND	---	2.29
176		---	---	ND	---	3.23
177		---	---	ND	---	4.00
178		---	---	ND	---	3.22
179		---	---	ND	---	3.58
180	180/193	---	---	ND	---	8.52

Conc = Concentration
EML =Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A 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

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Pace AnalyticalTM

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1700 Elm Street - Suite 200
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**Method 1668A Polychlorobiphenyl
Blank Analysis Results**

Lab Sample ID BLANK-117861
Filename Y250314A_08

IUPAC	Co-elutions	RT	Ratio	Concentration ng/Kg	EMPC ng/Kg	EML ng/Kg
181		---	---	ND	---	2.66
182		---	---	ND	---	2.97
183	183/185	---	---	ND	---	5.74
184		---	---	ND	---	2.53
185	183/185	---	---	ND	---	5.74
186		---	---	ND	---	2.70
187		---	---	ND	---	5.25
188		---	---	ND	---	2.03
189		---	---	ND	---	3.08
190		---	---	ND	---	2.57
191		---	---	ND	---	2.06
192		---	---	ND	---	2.62
193	180/193	---	---	ND	---	8.52
194		---	---	ND	---	3.14
195		---	---	ND	---	2.78
196		---	---	ND	---	2.61
197	197/200	---	---	ND	---	5.60
198	198/199	---	---	ND	---	4.30
199	198/199	---	---	ND	---	4.30
200	197/200	---	---	ND	---	5.60
201		---	---	ND	---	2.28
202		---	---	ND	---	1.62
203		---	---	ND	---	3.15
204		---	---	ND	---	2.12
205		---	---	ND	---	2.58
206		---	---	ND	---	2.67
207		---	---	ND	---	2.11
208		---	---	ND	---	2.25
209		---	---	ND	---	3.45

Conc = Concentration
EML = Method Reporting/Quantitation Limit (1668A)
EMPC = Estimated Maximum Possible Concentration
A = Limit of Detection based on signal to noise (EDL)
B = Less than 10 times higher than method blank level
R = Recovery outside of Method 1668A control limits
Nn = Value obtained from additional analyses

ND = Not Detected
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**Method 1668A Polychlorobiphenyl
Blank Analysis Results**

Client Sample ID CBLKFI
Lab Sample ID BLANK-117861
Filename Y250314A_08

Congener Group	Concentration ng/Kg
Total Monochloro Biphenyls	ND
Total Dichloro Biphenyls	90.7
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	90.7

ND = Not Detected

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Method 1668A Polychlorobiphenyls Laboratory Control Spike Analysis Results

Lab Sample ID	LCS-117853	Matrix	Solid
Filename	P250312B_03	Dilution	NA
Total Amount Extracted	10.6 g	Extracted	03/06/2025 14:00
ICAL ID	P250312B02	Analyzed	03/12/2025 20:37
CCal Filename(s)	P250312B_01	Injected By	CVS
Method Blank ID			

PCB Isomer	Native Analytes			Labeled Analytes		
	Spiked (ng)	Found (ng)	% Recovery	Spiked (ng)	Found (ng)	% Recovery
1	1.0	0.732	73	2.0	1.13	57
3	1.0	0.699	70	2.0	1.25	63
4	1.0	1.00	100	2.0	1.22	61
15	1.0	0.802	80	2.0	1.42	71
19	1.0	1.01	101	2.0	1.38	69
37	1.0	0.846	85	2.0	1.06	53
54	1.0	0.910	91	2.0	1.10	55
81	1.0	0.746	75	2.0	1.30	65
77	1.0	0.736	74	2.0	1.35	67
104	1.0	0.972	97	2.0	1.08	54
105	1.0	0.860	86	2.0	1.11	56
114	1.0	0.784	78	2.0	1.16	58
118	1.0	0.868	87	2.0	1.13	57
123	1.0	0.821	82	2.0	1.14	57
126	1.0	0.819	82	2.0	1.28	64
155	1.0	0.962	96	2.0	1.06	53
156/157	2.0	1.72	86	4.0	2.21	55
167	1.0	0.864	86	2.0	1.11	55
169	1.0	0.848	85	2.0	1.20	60
188	1.0	0.979	98	2.0	1.04	52
189	1.0	0.885	88	2.0	0.988	49
202	1.0	1.03	103	2.0	1.06	53
205	1.0	0.830	83	2.0	1.32	66
206	1.0	0.962	96	2.0	1.29	64
208	1.0	0.979	98	2.0	1.23	61
209	1.0	0.880	88	2.0	1.22	61

R = Recovery outside of method 1668A control limits

Nh = Result obtained from alternate analysis

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

* = See Discussion

ng = Nanograms

I = Interference

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Method 1668A Polychlorobiphenyls Laboratory Control Spike Analysis Results

Lab Sample ID	LCS-117862	Matrix	Solid
Filename	Y250314A_05	Dilution	NA
Total Amount Extracted	10.1 g	Extracted	03/07/2025 12:00
ICAL ID	Y250314A04	Analyzed	03/14/2025 11:00
CCal Filename(s)	Y250314A_03	Injected By	AH5
Method Blank ID	BLANK-117861		

PCB Isomer	Native Analytes			Labeled Analytes		
	Spiked (ng)	Found (ng)	% Recovery	Spiked (ng)	Found (ng)	% Recovery
1	1.0	0.873	87	2.0	1.30	65
3	1.0	0.786	79	2.0	1.47	74
4	1.0	0.868	87	2.0	1.64	82
15	1.0	0.946	95	2.0	1.62	81
19	1.0	0.906	91	2.0	1.78	89
37	1.0	0.841	84	2.0	1.45	73
54	1.0	0.874	87	2.0	1.33	66
81	1.0	0.853	85	2.0	1.79	90
77	1.0	0.886	89	2.0	1.83	91
104	1.0	0.927	93	2.0	1.41	70
105	1.0	0.909	91	2.0	1.52	76
114	1.0	0.839	84	2.0	1.45	72
118	1.0	0.894	89	2.0	1.44	72
123	1.0	0.848	85	2.0	1.42	71
126	1.0	0.895	89	2.0	1.73	86
155	1.0	0.960	96	2.0	1.45	73
156/157	2.0	1.74	87	4.0	2.92	73
167	1.0	0.860	86	2.0	1.41	71
169	1.0	0.821	82	2.0	1.70	85
188	1.0	0.890	89	2.0	1.53	77
189	1.0	0.822	82	2.0	1.40	70
202	1.0	0.915	92	2.0	1.51	76
205	1.0	0.877	88	2.0	1.57	78
206	1.0	0.862	86	2.0	1.85	92
208	1.0	0.826	83	2.0	1.68	84
209	1.0	0.834	83	2.0	1.98	99

R = Recovery outside of method 1668A control limits

Nh = Result obtained from alternate analysis

ND = Not Detected

NA = Not Applicable

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Method 1668A Polychlorobiphenyls Matrix Spike Analysis Results

Client - BP-LM Consulting

Lab Sample ID	10723332001-MS	Matrix	SOLID
Filename	P250312B_04	Dilution	NA
Total Amount Extracted	12.0 g	Extracted	03/06/2025 14:00
ICAL ID	P250312B02	Analyzed	03/12/2025 21:38
CCal Filename(s)	P250312B_01	Injected By	CVS
Method Blank ID	BLANK-117852		

PCB Isomer	Native Analytes			Labeled Analytes		
	Spiked (ng)	Found (ng)	% Recovery	Spiked (ng)	Found (ng)	% Recovery
1	1.0	0.730	66	2.0	1.16	58
3	1.0	0.712	71	2.0	1.30	65
4	1.0	1.23	123	2.0	1.17	59
15	1.0	0.893	79	2.0	1.56	78
19	1.0	1.11	106	2.0	1.44	72
37	1.0	0.895	76	2.0	1.09	54
54	1.0	0.972	97	2.0	1.18	59
81	1.0	0.768	77	2.0	1.37	69
77	1.0	0.803	75	2.0	1.36	68
104	1.0	1.05	105	2.0	1.01	50
105	1.0	0.993	78	2.0	1.11	55
114	1.0	0.817	82	2.0	1.05	53
118	1.0	1.18	66	2.0	1.15	57
123	1.0	0.867	87	2.0	1.10	55
126	1.0	0.834	83	2.0	1.23	62
155	1.0	1.07	107	2.0	1.07	53
156/157	2.0	1.89	95	4.0	2.21	55
167	1.0	0.913	85	2.0	1.14	57
169	1.0	0.875	87	2.0	1.25	62
188	1.0	1.05	105	2.0	1.10	55
189	1.0	0.975	97	2.0	0.943	47
202	1.0	1.16	105	2.0	1.01	50
205	1.0	0.907	91	2.0	1.31	65
206	1.0	1.20	87	2.0	1.28	64
208	1.0	1.11	99	2.0	1.22	61
209	1.0	1.18	91	2.0	1.11	55

R = Recovery outside of method
1668A control limits
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
ng = Nanograms

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Method 1668A Polychlorobiphenyls Matrix Spike Analysis Results

Client - BP-LM Consulting

Lab Sample ID	10723332001-MSD	Matrix	SOLID
Filename	P250312B_05	Dilution	NA
Total Amount Extracted	12.9 g	Extracted	03/06/2025 14:00
ICAL ID	P250312B02	Analyzed	03/12/2025 22:39
CCal Filename(s)	P250312B_01	Injected By	CVS
Method Blank ID	BLANK-117852		

PCB Isomer	Native Analytes			Labeled Analytes		
	Spiked (ng)	Found (ng)	% Recovery	Spiked (ng)	Found (ng)	% Recovery
1	1.0	0.714	63	2.0	1.11	56
3	1.0	0.713	71	2.0	1.27	64
4	1.0	1.24	124	2.0	1.06	53
15	1.0	0.866	75	2.0	1.49	74
19	1.0	1.11	105	2.0	1.34	67
37	1.0	0.876	73	2.0	1.07	54
54	1.0	0.946	95	2.0	1.09	55
81	1.0	0.766	77	2.0	1.23	61
77	1.0	0.765	71	2.0	1.27	64
104	1.0	1.12	112	2.0	0.915	46
105	1.0	1.09	86	2.0	0.992	50
114	1.0	0.835	84	2.0	0.914	46
118	1.0	1.27	71	2.0	0.994	50
123	1.0	0.880	88	2.0	0.921	46
126	1.0	0.825	82	2.0	1.15	57
155	1.0	1.04	104	2.0	0.994	50
156/157	2.0	1.89	94	4.0	2.07	52
167	1.0	0.943	87	2.0	1.04	52
169	1.0	0.915	91	2.0	1.10	55
188	1.0	1.02	102	2.0	1.09	54
189	1.0	0.921	92	2.0	0.920	46
202	1.0	1.18	107	2.0	1.04	52
205	1.0	0.905	91	2.0	1.25	62
206	1.0	1.33	99	2.0	1.22	61
208	1.0	1.16	104	2.0	1.15	57
209	1.0	1.24	96	2.0	1.00	50

R = Recovery outside of method
1668A control limits
ND = Not Detected
NA = Not Applicable
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Method 1668A Polychlorobiphenyls Matrix Spike Analysis Results

Client - BP-LM Consulting

Lab Sample ID	10723332021-MS	Matrix	SOLID
Filename	P250406B_11	Dilution	NA
Total Amount Extracted	16.0 g	Extracted	03/07/2025 12:00
ICAL ID	P250406B02	Analyzed	04/07/2025 04:15
CCal Filename(s)	P250406B_01	Injected By	JRH
Method Blank ID	BLANK-117861		

PCB Isomer	Native Analytes			Labeled Analytes		
	Spiked (ng)	Found (ng)	% Recovery	Spiked (ng)	Found (ng)	% Recovery
1	1.0	1.07	107	2.0	1.22	61
3	1.0	1.15	115	2.0	1.31	65
4	1.0	1.05	105	2.0	1.00	50
15	1.0	1.16	116	2.0	1.43	71
19	1.0	1.05	105	2.0	0.915	46
37	1.0	1.12	112	2.0	1.78	89
54	1.0	1.06	106	2.0	1.20	60
81	1.0	1.04	104	2.0	1.44	72
77	1.0	1.05	105	2.0	1.51	75
104	1.0	1.03	103	2.0	1.23	62
105	1.0	1.06	106	2.0	1.86	93
114	1.0	1.06	106	2.0	1.84	92
118	1.0	1.04	104	2.0	1.85	93
123	1.0	1.09	109	2.0	1.80	90
126	1.0	1.01	101	2.0	1.84	92
155	1.0	1.00	100	2.0	1.27	63
156/157	2.0	2.09	104	4.0	3.70	93
167	1.0	1.05	105	2.0	1.88	94
169	1.0	1.05	105	2.0	1.95	97
188	1.0	0.971	97	2.0	1.16	58
189	1.0	1.11	111	2.0	1.73	86
202	1.0	1.01	101	2.0	1.08	54
205	1.0	0.986	99	2.0	1.41	70
206	1.0	0.936	94	2.0	1.26	63
208	1.0	0.961	96	2.0	1.23	62
209	1.0	0.941	94	2.0	1.18	59

R = Recovery outside of method
1668A control limits
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
ng = Nanograms

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Method 1668A Polychlorobiphenyls Matrix Spike Analysis Results

Client - BP-LM Consulting

Lab Sample ID	10723332021-MSD	Matrix	SOLID
Filename	P250406B_12	Dilution	NA
Total Amount Extracted	13.6 g	Extracted	03/07/2025 12:00
ICAL ID	P250406B02	Analyzed	04/07/2025 05:17
CCal Filename(s)	P250406B_01	Injected By	JRH
Method Blank ID	BLANK-117861		

PCB Isomer	Native Analytes			Labeled Analytes		
	Spiked (ng)	Found (ng)	% Recovery	Spiked (ng)	Found (ng)	% Recovery
1	1.0	0.992	99	2.0	1.05	52
3	1.0	1.17	117	2.0	1.05	52
4	1.0	1.17	117	2.0	0.818	41
15	1.0	1.31	131	2.0	1.33	66
19	1.0	1.18	118	2.0	0.824	41
37	1.0	1.16	116	2.0	1.54	77
54	1.0	1.09	109	2.0	1.11	56
81	1.0	1.04	104	2.0	1.61	80
77	1.0	1.04	104	2.0	1.64	82
104	1.0	1.07	107	2.0	1.31	65
105	1.0	1.07	107	2.0	1.86	93
114	1.0	0.972	97	2.0	1.89	94
118	1.0	1.06	106	2.0	1.83	91
123	1.0	1.07	107	2.0	1.84	92
126	1.0	1.05	105	2.0	1.95	97
155	1.0	0.956	96	2.0	1.03	51
156/157	2.0	2.08	104	4.0	3.44	86
167	1.0	1.05	105	2.0	1.73	86
169	1.0	1.08	108	2.0	1.85	92
188	1.0	0.946	95	2.0	0.882	44
189	1.0	1.08	108	2.0	1.50	75
202	1.0	1.04	104	2.0	0.872	44
205	1.0	1.03	103	2.0	1.27	63
206	1.0	0.860	86	2.0	1.35	67
208	1.0	0.901	90	2.0	1.26	63
209	1.0	0.947	95	2.0	1.11	55

R = Recovery outside of method
1668A control limits
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion
ng = Nanograms

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Method PCB1668A-209 Spike Sample Results

Client - BP-LM Consulting

Client Sample ID SB-01-06-08-250206
Lab Sample ID 10723332001
MS ID 10723332001-MS
MSD ID 10723332001-MSD

Sample Filename P250312B_07
MS Filename P250312B_04
MSD Filename P250312B_05

Analyte	Quantity	Unspiked Sample Contribution		Quantity Measured		RPD	Subtracted Recovery	
	Spiked (ng)	to MS (ng)	to MSD (ng)	MS (ng)	MSD (ng)		MS (%)	MSD (%)
2-MoCB	1.00	0.0745	0.0799	0.73	0.71	2.3	66	63
4-MoCB	1.00	ND	ND	0.71	0.71	0.1	71	71
2,2'-DiCB	1.00	ND	ND	1.23	1.24	0.6	123	124
4,4'-DiCB	1.00	0.105	0.112	0.89	0.87	3.1	79	75
2,2',6-TrCB	1.00	0.0518	0.0556	1.11	1.11	0.2	106	105
3,4,4'-TrCB	1.00	0.131	0.141	0.90	0.88	2.2	76	73
2,2',6,6'-TeCB	1.00	ND	ND	0.97	0.95	2.7	97	95
3,3',4,4'-TeCB	1.00	0.0529	0.0568	0.80	0.76	4.9	75	71
3,4,4',5-TeCB	1.00	ND	ND	0.77	0.77	0.2	77	77
2,2',4,6,6'-PeCB	1.00	ND	ND	1.05	1.12	6.8	105	112
2,3,3',4,4'-PeCB	1.00	0.217	0.233	0.99	1.09	9.4	78	86
2,3,4,4',5-PeCB	1.00	ND	ND	0.82	0.84	2.3	82	84
2,3',4,4',5-PeCB	1.00	0.520	0.558	1.18	1.27	6.9	66	71
2,3',4,4',5'-PeCB	1.00	ND	ND	0.87	0.88	1.4	87	88
3,3',4,4',5-PeCB	1.00	ND	ND	0.83	0.82	1.2	83	82
2,2',4,4',6,6'-HxCB	1.00	0.0421	0.0452	1.07	1.04	3.7	107	104
(156/157)	2.00	0.119	0.128	1.89	1.89	0.4	95	94
2,3',4,4',5,5'-HxCB	1.00	0.0638	0.0685	0.91	0.94	3.2	85	87
3,3',4,4',5,5'-HxCB	1.00	ND	ND	0.87	0.91	4.5	87	91
2,2',3,4',5,6,6'-HpCB	1.00	ND	ND	1.05	1.02	3.2	105	102
2,3,3',4,4',5,5'-HpCB	1.00	ND	ND	0.97	0.92	5.7	97	92
2,2',3,3',5,5',6,6'-OcCB	1.00	0.112	0.120	1.16	1.18	2.2	105	107
2,3,3',4,4',5,5',6-OcCB	1.00	ND	ND	0.91	0.91	0.2	91	91
2,2',3,3',4,4',5,5',6-NoCB	1.00	0.322	0.345	1.20	1.33	10.7	87	99
2,2',3,3',4,5,5',6,6'-NoCB	1.00	0.114	0.123	1.11	1.16	4.6	99	104
Decachlorobiphenyl	1.00	0.267	0.286	1.18	1.24	5.4	91	96

Quantity Spiked - the amount of analyte spiked into the spiked samples

Unspiked Sample Contribution - calculated based on the amount found in the sample and the extracted amounts of the spiked and unspiked samples

Quantity Measured - the total amount of analyte measured in the spiked samples

RPD - the Relative Percent Difference of the spiked sample Quantity Measured values

Subtracted Recovery - calculated after subtracting the unspiked sample contribution



Method PCB1668A-209 Spike Sample Results

Client - BP-LM Consulting

Client Sample ID SB-04-30-32-250207
Lab Sample ID 10723332021
MS ID 10723332021-MS
MSD ID 10723332021-MSD

Sample Filename P250428A_13
MS Filename P250406B_11
MSD Filename P250406B_12

Analyte	Quantity	Unspiked Sample Contribution		Quantity Measured		RPD	Subtracted Recovery	
	Spiked (ng)	to MS (ng)	to MSD (ng)	MS (ng)	MSD (ng)		MS (%)	MSD (%)
2-MoCB	1.00	ND	ND	1.07	0.99	7.5	107	99
4-MoCB	1.00	ND	ND	1.15	1.17	1.8	115	117
2,2'-DiCB	1.00	ND	ND	1.05	1.17	11.3	105	117
4,4'-DiCB	1.00	ND	ND	1.16	1.31	12.2	116	131
2,2',6-TrCB	1.00	ND	ND	1.05	1.18	11.5	105	118
3,4,4'-TrCB	1.00	ND	ND	1.12	1.16	3.9	112	116
2,2',6,6'-TeCB	1.00	ND	ND	1.06	1.09	2.7	106	109
3,3',4,4'-TeCB	1.00	ND	ND	1.05	1.04	1.2	105	104
3,4,4',5-TeCB	1.00	ND	ND	1.04	1.04	0.4	104	104
2,2',4,6,6'-PeCB	1.00	ND	ND	1.03	1.07	3.5	103	107
2,3,3',4,4'-PeCB	1.00	ND	ND	1.06	1.07	1.2	106	107
2,3,4,4',5-PeCB	1.00	ND	ND	1.06	0.97	9.0	106	97
2,3',4,4',5-PeCB	1.00	ND	ND	1.04	1.06	1.7	104	106
2,3',4,4',5'-PeCB	1.00	ND	ND	1.09	1.07	1.8	109	107
3,3',4,4',5-PeCB	1.00	ND	ND	1.01	1.05	3.7	101	105
2,2',4,4',6,6'-HxCB	1.00	ND	ND	1.00	0.96	4.8	100	96
(156/157)	2.00	ND	ND	2.09	2.08	0.4	104	104
2,3',4,4',5,5'-HxCB	1.00	ND	ND	1.05	1.05	0.0	105	105
3,3',4,4',5,5'-HxCB	1.00	ND	ND	1.05	1.08	2.4	105	108
2,2',3,4',5,6,6'-HpCB	1.00	ND	ND	0.97	0.95	2.7	97	95
2,3,3',4,4',5,5'-HpCB	1.00	ND	ND	1.11	1.08	2.7	111	108
2,2',3,3',5,5',6,6'-OcCB	1.00	ND	ND	1.01	1.04	2.4	101	104
2,3,3',4,4',5,5',6-OcCB	1.00	ND	ND	0.99	1.03	4.1	99	103
2,2',3,3',4,4',5,5',6-NoCB	1.00	ND	ND	0.94	0.86	8.4	94	86
2,2',3,3',4,4',5,5',6,6'-NoCB	1.00	ND	ND	0.96	0.90	6.4	96	90
Decachlorobiphenyl	1.00	ND	ND	0.94	0.95	0.7	94	95

Quantity Spiked - the amount of analyte spiked into the spiked samples

Unspiked Sample Contribution - calculated based on the amount found in the sample and the extracted amounts of the spiked and unspiked samples

Quantity Measured - the total amount of analyte measured in the spiked samples

RPD - the Relative Percent Difference of the spiked sample Quantity Measured values

Subtracted Recovery - calculated after subtracting the unspiked sample contribution



April 22, 2025

Laura McWilliams
LM Consulting
6420 S Macadam Ave
Suite 100
Portland, OR 972393517

RE: Project: BP Remediation
Pace Project No.: 10723702

Dear Laura McWilliams:

Enclosed are the analytical results for sample(s) received by the laboratory on February 13, 2025. 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 - Minneapolis

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

Sincerely,

A handwritten signature in black ink, appearing to read "Julia Fogarty".

Julia Fogarty
julia.fogarty@pacelabs.com
(612)607-1700
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BP Remediation

Pace Project No.: 10723702

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

DoD Certification via A2LA #: 2926.01

EPA Region 8 Tribal Water Systems+Wyoming DW
Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

GMP+ Certification #: GMP050884

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

ISO/IEC 17025 Certification via A2LA #: 2926.01

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Approval: via MN 027-053-137

Minnesota Petrofund Registration #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification (A2LA) #: R-036

North Dakota Certification (MN) #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification (1700) #: CL101

Oklahoma Certification #: 9507

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification via A2LA #: 2926.01

USDA Permit #: P330-19-00208

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SAMPLE SUMMARY

Project: BP Remediation

Pace Project No.: 10723702

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10723702001	SB-02-06-08-250111	Solid	02/11/25 11:00	02/13/25 08:50
10723702002	SB-02-08-9.5-250211	Solid	02/11/25 11:05	02/13/25 08:50
10723702003	SB-02-9.5-11-250211	Solid	02/11/25 11:10	02/13/25 08:50
10723702004	SB-02-11-12-250211	Solid	02/11/25 11:15	02/13/25 08:50
10723702005	SB-02-17-27-250211	Solid	02/11/25 11:20	02/13/25 08:50
10723702006	SB-02-29-31-250211	Solid	02/11/25 11:25	02/13/25 08:50
10723702007	SB-02-31-33-250211	Solid	02/11/25 11:30	02/13/25 08:50
10723702008	SB-02-FD-250211	Solid	02/11/25 11:35	02/13/25 08:50
10723702009	SB-03-06-08-250211	Solid	02/11/25 15:30	02/13/25 08:50
10723702010	SB-03-08-09-250211	Solid	02/11/25 15:35	02/13/25 08:50
10723702011	SB-03-09-11-250211	Solid	02/11/25 15:40	02/13/25 08:50
10723702012	SB-03-11-13-250211	Solid	02/11/25 15:45	02/13/25 08:50
10723702013	SB-03-13-15-250211	Solid	02/11/25 15:50	02/13/25 08:50
10723702014	SB-03-15-17-250211	Solid	02/11/25 15:55	02/13/25 08:50
10723702015	SB-03-17-19-250211	Solid	02/11/25 16:00	02/13/25 08:50
10723702016	SB-03-19-21-250211	Solid	02/11/25 16:05	02/13/25 08:50
10723702017	SB-03-21-23-250211	Solid	02/11/25 16:10	02/13/25 08:50
10723702018	SB-03-23-25-250211	Solid	02/11/25 16:15	02/13/25 08:50
10723702019	SB-03-25-27-250211	Solid	02/11/25 16:20	02/13/25 08:50
10723702020	SB-03-FD-250211	Solid	02/11/25 16:25	02/13/25 08:50
10723702021	SB-03-27-29-250211	Solid	02/11/25 16:30	02/13/25 08:50
10723702022	SB-03-29-31-250211	Solid	02/11/25 16:35	02/13/25 08:50
10723702023	SB-03-37-39-250211	Solid	02/11/25 16:40	02/13/25 08:50
10723702024	SB-03-31-33-250211	Solid	02/11/25 16:45	02/13/25 08:50

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SAMPLE ANALYTE COUNT

Project: BP Remediation

Pace Project No.: 10723702

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10723702001	SB-02-06-08-250111	ASTM D2974	JDL	1	PASI-M
10723702002	SB-02-08-9.5-250211	ASTM D2974	JDL	1	PASI-M
10723702003	SB-02-9.5-11-250211	ASTM D2974	JDL	1	PASI-M
10723702004	SB-02-11-12-250211	ASTM D2974	JDL	1	PASI-M
10723702005	SB-02-17-27-250211	ASTM D2974	JDL	1	PASI-M
10723702006	SB-02-29-31-250211	ASTM D2974	JDL	1	PASI-M
10723702007	SB-02-31-33-250211	ASTM D2974	JDL	1	PASI-M
10723702008	SB-02-FD-250211	ASTM D2974	JDL	1	PASI-M
10723702009	SB-03-06-08-250211	ASTM D2974	JDL	1	PASI-M
10723702010	SB-03-08-09-250211	ASTM D2974	JDL	1	PASI-M
10723702011	SB-03-09-11-250211	ASTM D2974	JDL	1	PASI-M
10723702012	SB-03-11-13-250211	ASTM D2974	JDL	1	PASI-M
10723702013	SB-03-13-15-250211	ASTM D2974	JDL	1	PASI-M
10723702014	SB-03-15-17-250211	ASTM D2974	JDL	1	PASI-M
10723702015	SB-03-17-19-250211	ASTM D2974	JDL	1	PASI-M
10723702016	SB-03-19-21-250211	ASTM D2974	JDL	1	PASI-M
10723702017	SB-03-21-23-250211	ASTM D2974	JDL	1	PASI-M
10723702018	SB-03-23-25-250211	ASTM D2974	JDL	1	PASI-M
10723702019	SB-03-25-27-250211	ASTM D2974	JDL	1	PASI-M
10723702020	SB-03-FD-250211	ASTM D2974	JDL	1	PASI-M
10723702021	SB-03-27-29-250211	ASTM D2974	MER	1	PASI-M
10723702022	SB-03-29-31-250211	ASTM D2974	MER	1	PASI-M
10723702023	SB-03-37-39-250211	ASTM D2974	MER	1	PASI-M
10723702024	SB-03-31-33-250211	ASTM D2974	MER	1	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-02-06-08-250111** Lab ID: **10723702001** Collected: 02/11/25 11:00 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	14.5	%	0.10	0.10	1		02/19/25 11:04		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-02-08-9.5-250211** Lab ID: **10723702002** Collected: 02/11/25 11:05 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	7.6	%	0.10	0.10	1		02/19/25 11:04		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: SB-02-9.5-11-250211 Lab ID: 10723702003 Collected: 02/11/25 11:10 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	9.9	%	0.10	0.10	1		02/19/25 11:04		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-02-11-12-250211** Lab ID: **10723702004** Collected: 02/11/25 11:15 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	9.9	%	0.10	0.10	1		02/19/25 11:05		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-02-17-27-250211** Lab ID: **10723702005** Collected: 02/11/25 11:20 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	11.8	%	0.10	0.10	1		02/19/25 11:05		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-02-29-31-250211** Lab ID: **10723702006** Collected: 02/11/25 11:25 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	34.2	%	0.10	0.10	1		02/19/25 11:05		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-02-31-33-250211** Lab ID: **10723702007** Collected: 02/11/25 11:30 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	34.8	%	0.10	0.10	1		02/19/25 11:05		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-02-FD-250211** Lab ID: **10723702008** Collected: 02/11/25 11:35 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	10.1	%	0.10	0.10	1		02/19/25 11:06		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-06-08-250211** Lab ID: **10723702009** Collected: 02/11/25 15:30 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	16.9	%	0.10	0.10	1		02/19/25 13:07		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-08-09-250211** Lab ID: **10723702010** Collected: 02/11/25 15:35 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	6.6	%	0.10	0.10	1		02/19/25 13:08		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-09-11-250211** Lab ID: **10723702011** Collected: 02/11/25 15:40 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	23.6	%	0.10	0.10	1		02/19/25 13:08		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-11-13-250211** Lab ID: **10723702012** Collected: 02/11/25 15:45 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	13.3	%	0.10	0.10	1		02/19/25 13:08		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-13-15-250211** Lab ID: **10723702013** Collected: 02/11/25 15:50 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	10.7	%	0.10	0.10	1		02/19/25 13:08		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-15-17-250211** Lab ID: **10723702014** Collected: 02/11/25 15:55 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	20.9	%	0.10	0.10	1		02/19/25 13:08		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-17-19-250211** Lab ID: **10723702015** Collected: 02/11/25 16:00 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	17.4	%	0.10	0.10	1		02/19/25 13:09		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-19-21-250211** Lab ID: **10723702016** Collected: 02/11/25 16:05 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	20.4	%	0.10	0.10	1		02/19/25 13:09		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-21-23-250211** Lab ID: **10723702017** Collected: 02/11/25 16:10 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	16.7	%	0.10	0.10	1		02/19/25 13:09		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-23-25-250211** Lab ID: **10723702018** Collected: 02/11/25 16:15 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	16.5	%	0.10	0.10	1		02/19/25 13:09		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-25-27-250211** Lab ID: **10723702019** Collected: 02/11/25 16:20 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	17.6	%	0.10	0.10	1		02/19/25 13:09		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-FD-250211** Lab ID: **10723702020** Collected: 02/11/25 16:25 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	16.4	%	0.10	0.10	1		02/19/25 13:10		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-27-29-250211** Lab ID: **10723702021** Collected: 02/11/25 16:30 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	25.4	%	0.10	0.10	1		02/17/25 11:44		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-29-31-250211** Lab ID: **10723702022** Collected: 02/11/25 16:35 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	66.9	%	0.10	0.10	1		02/17/25 11:50		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-37-39-250211** Lab ID: **10723702023** Collected: 02/11/25 16:40 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	43.0	%	0.10	0.10	1		02/17/25 11:52		N2

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ANALYTICAL RESULTS

Project: BP Remediation

Pace Project No.: 10723702

Sample: **SB-03-31-33-250211** Lab ID: **10723702024** Collected: 02/11/25 16:45 Received: 02/13/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Pace Analytical Services - Minneapolis									
Percent Moisture	28.5	%	0.10	0.10	1		02/17/25 11:56		N2

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BP Remediation

Pace Project No.: 10723702

QC Batch: 992419

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight / %M by ASTM D2974

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10723702021, 10723702022, 10723702023, 10723702024

SAMPLE DUPLICATE: 5178474

Parameter	Units	10723566001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	25.9	26.3	2	30	N2

SAMPLE DUPLICATE: 5178475

Parameter	Units	10723752002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	24.5	25.2	3	30	N2

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BP Remediation

Pace Project No.: 10723702

QC Batch: 992819

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight / %M by ASTM D2974

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10723702001, 10723702002, 10723702003, 10723702004, 10723702005, 10723702006, 10723702007, 10723702008

SAMPLE DUPLICATE: 5179764

Parameter	Units	92779907001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.6	23.6	5	30	N2

SAMPLE DUPLICATE: 5179765

Parameter	Units	10723702008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.1	10	1	30	N2

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BP Remediation

Pace Project No.: 10723702

QC Batch: 992849

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight / %M by ASTM D2974

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10723702009, 10723702010, 10723702011, 10723702012, 10723702013, 10723702014, 10723702015, 10723702016, 10723702017, 10723702018, 10723702019, 10723702020

SAMPLE DUPLICATE: 5179875

Parameter	Units	10724053001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.5	9.1	4	30	N2

SAMPLE DUPLICATE: 5179986

Parameter	Units	10723702020 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.4	16.2	1	30	N2

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: BP Remediation

Pace Project No.: 10723702

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 adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BP Remediation

Pace Project No.: 10723702

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10723702001	SB-02-06-08-250111	ASTM D2974	992819		
10723702002	SB-02-08-9.5-250211	ASTM D2974	992819		
10723702003	SB-02-9.5-11-250211	ASTM D2974	992819		
10723702004	SB-02-11-12-250211	ASTM D2974	992819		
10723702005	SB-02-17-27-250211	ASTM D2974	992819		
10723702006	SB-02-29-31-250211	ASTM D2974	992819		
10723702007	SB-02-31-33-250211	ASTM D2974	992819		
10723702008	SB-02-FD-250211	ASTM D2974	992819		
10723702009	SB-03-06-08-250211	ASTM D2974	992849		
10723702010	SB-03-08-09-250211	ASTM D2974	992849		
10723702011	SB-03-09-11-250211	ASTM D2974	992849		
10723702012	SB-03-11-13-250211	ASTM D2974	992849		
10723702013	SB-03-13-15-250211	ASTM D2974	992849		
10723702014	SB-03-15-17-250211	ASTM D2974	992849		
10723702015	SB-03-17-19-250211	ASTM D2974	992849		
10723702016	SB-03-19-21-250211	ASTM D2974	992849		
10723702017	SB-03-21-23-250211	ASTM D2974	992849		
10723702018	SB-03-23-25-250211	ASTM D2974	992849		
10723702019	SB-03-25-27-250211	ASTM D2974	992849		
10723702020	SB-03-FD-250211	ASTM D2974	992849		
10723702021	SB-03-27-29-250211	ASTM D2974	992419		
10723702022	SB-03-29-31-250211	ASTM D2974	992419		
10723702023	SB-03-37-39-250211	ASTM D2974	992419		
10723702024	SB-03-31-33-250211	ASTM D2974	992419		

REPORT OF LABORATORY ANALYSIS

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Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

Page 1 of 3

BP Site Node Path:
BP/RM Facility No:

Req Due Date (mm/dd/yyyy):
Lab Work Order Number:

Rush TAT Yes ☐ No ☐

Lab Name: Pace Analytical	BP/ARC Facility Address:	Consultant/Contractor:	LM consulting
Lab Address: 1700 Elm St. SE, Suite 200, Minneapolis, MN 55414	City, State, ZIP Code:	Consultant/Contractor Project No:	BP Remediation
Lab PM: Julia Fogarty	Lead Regulatory Agency:	Address:	
Lab Phone: 612-656-1141	California Global ID No.:	Consultant/Contractor PM:	Laura McWilliams
Lab Shipping Acct:	Enfos Proposal No: 00BX4-0085	Phone: 858-226-7223	Email: laura@lmconsultingsd.com
Lab Bottle Order No: profile 47704 (EZ# 3210903)	Accounting Mode: Provision	Send/Submit EDD to:	EQUS
Other Info:	Stage	Invoice To: ENFOS	BP-RM BP-Other
BP/RM PM: Loren Burmeister	Activity		

PM Phone: 406-570-8945	Report Type & QC Level
PM Email: loren.burmeister@bp.com	Limited (Standard) Package ☒ X
	ited Plus Package ☐
	Full Package ☐

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	Pres	168A 209 PCB Conge	Dry Weight	Comments
SB-02-08-08-250211		2/11/25	1100	S					2			X	X	Freeze one jar of each
SB-02-08-08-250211			1105	S					2			X	X	002
SB-02-08-08-250211			1110	S					2			X	X	003
SB-02-11-12-250211			1115	S					2			X	X	004
SB-02-17-27-250211			1120	S					2			X	X	005
SB-02-29-31-250211			1125	S					2			X	X	006
SB-02-31-33-250211			1130	S					2			X	X	007
SB-02-FD-250211			1135	S					2			X	X	008
SB-03-06-08-250211			1530	S					2			X	X	009
SB-03-08-09-250211			1535	S					2			X	X	010

Sampler's Name: Laura McWilliams	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: LM Consulting						
Ship Method:	Ship Date:					
Shipment Tracking No:						

Special Instructions: **Freeze 1 of the jars on receipt	MS/MSD Sample Submitted: Yes ☐ No ☒
THIS LINE - LAB USE ONLY: Custody Seals in Place: Yes ☒ No ☐ Temp Blank: Yes ☒ No ☐ Cooler Temp on Receipt: 6/19/25 ☒ Trip Blank: Yes ☒ No ☐	



Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

BP Site Node Path:

BP/IRM Facility No:

Req Due Date (mm/dd/yy):

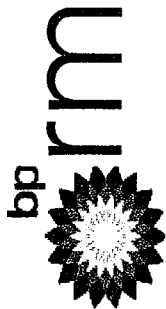
Lab Work Order Number:

Rush TAT Yes

No

Page 2 of 3

Lab Name: Pace Analytical		BP/ARC Facility Address:		Consultant/Contractor:		LM consulting	
Lab Address: 1700 Elm St. SE, Suite 200, Minneapolis, MN 55414		City, State, ZIP Code:		Consultant/Contractor Project No:		BP Remediation	
Lab PM: Julia Fogarty		Lead Regulatory Agency:		Address:			
Lab Phone: 612-656-1141		California Global ID No.:		Consultant/Contractor PM:		Laura McWilliams	
Lab Shipping Acct:		Enfos Proposal No: 00BX4-0085		Phone: 858-226-7223		Email: laura@lmconsultingdsd.com	
Lab Bottle Order No: profile 47704 (EZ# 3210903)		Accounting Mode: Provision		Send/Submit EDD to:		EQUIS	
Other Info:		Stage		Invoiced To: ENFOS		BP-RM BP-Other	
BP/IRM PM: Loren Burmeister		Activity		Report Type & QC Level			
		Sample Details		Requested Analyses			
		Field Matrix		Limited (Standard) Package ☒ X			
		Start Depth		Limited Plus Package ☐			
		End Depth		Full Package ☐			
		Depth Unit					
		Grab (G) or Composite (C)					
		Total Number of Containers					
		Analysis					
		Pres					
		Tilt					
		1688A 209 PCB Conge					
		Dry Weight					
Lab No.	Sample Description	Date	Time	Comments			
SB-03-09-11-250211	2/11/25 1541	2/11/25	1541	Freeze one jar each			
SB-03-11-13-250211	1545		1545	012			
SB-03-13-15-250211	1550		1550	013			
SB-03-15-17-250211	1555		1555	014			
SB-03-17-19-250211	1600		1600	015			
SB-03-19-21-250211	1605		1605	016			
SB-03-21-23-250211	1610		1610	017			
SB-03-23-25-250211	1615		1615	018			
SB-03-25-27-250211	1620		1620	019			
SB-03-27-29-250211	1625		1625	020			
Sampler's Name: Laura McWilliams		Relinquished By / Affiliation		Date		Time	
Sampler's Company: LMP Consulting		2/11/25		2/11/25		1541	
Ship Method:		Ship Date:		Date		Time	
Shipment Tracking No:				Date		Time	
Special Instructions: **Freeze 1 of the jars on receipt							
THIS LINE - LAB USE ONLY: Custody Seals in Place Yes/No Temp Blank Yes/No Cooler Temp on Receipt: 26, 11, 14, 16 Trip Blank: Yes/No MS/MSD Sample Submitted: Yes (No)							



Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

Page 3 of 3

BP Site Node Path: _____

Req Due Date (mm/dd/yy): _____

Rush TAT Yes _____ No _____

BP/RM Facility No: _____

Lab Work Order Number: _____

Lab Name: Pace Analytical		BP/ARC Facility Address:		Consultant/Contractor: LM consulting	
Lab Address: 1700 Elm St. SE, Suite 200, Minneapolis, MN 55414		City, State, ZIP Code:		Consultant/Contractor Project No: BP Remediation	
Lab PM: Julia Fogarty		Lead Regulatory Agency:		Address:	
Lab Phone: 612-656-1141		California Global ID No.:		Consultant/Contractor PM: Laura McWilliams	
Lab Shipping Acct: _____		Enfos Proposal No: 00BX4-0085		Phone: 855-226-7223 Email: laura@lmconsultingsd.com	
Lab Bottle Order No: profile 47704 (EZ# 3210903)		Accounting Mode: Provision _____ OOC-BU _____ OOC-RM _____		Send/Submit EDD to: EQulS	
Other Info: _____		Stage _____ Activity _____		Invoice To: ENFOS BP-RM _____ BP-Other _____	
BP/RM PM: Loren Burmeister		Sample Details		Requested Analyses	
		Field Matrix		Report Type & QC Level	
		Start Depth		Limited (Standard) Package <u>X</u>	
		End Depth		Limited Plus Package _____	
		Depth Unit		Full Package _____	
		Grab (G) or Composite (C)			
		Total Number of Containers			
		Analysis			
		Pres			
		Fill			
		168A 209 PCB Conge			
		Dry Weight			
Lab No.	Sample Description	Time Date	Date Time	Comments	
	SB-03-27-29-250211	1630	2/1/25	Freeze one jar of each	022
	SB-03-29-31-250211	1635			023
	SB-03-37-39-250211	1640			024
	SB-03-31-33-250211	1645			
Sampler's Name: <u>Laura McWilliams</u>					Date
Sampler's Company: <u>LM Consulting</u>					2/1/25 8:50
Ship Method: _____					Ship Date
Shipment Tracking No: _____					
Special Instructions: **Freeze 1 of the jars on receipt					
THIS LINE - LAB USE ONLY: Custody Seals in Place Yes No Temp Blank: Yes No Cooler Temp on Receipt: <u>16.1.4</u> °F/C Trip Blank: Yes No MSMSD Sample Submitted: Yes No					

ENV-FRM-MIN4-0149 v11_Sample Condition Upon Receipt - ES1

CLIENT NAME: BP LM PROJECT #: WO# : 10723702

COURIER: ☐ Client ☐ Commercial ☒ FedEx ☐ Pace
☐ SpeedDee ☐ UPS ☐ USPS

PM: JMF Due Date: 03/06/25
 CLIENT: BP-LM Cons.

TRACKING NUMBER: ☒ See Exceptions form 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 Bags ☒ Bubble Wrap ☐ None ☐ Other Temp Blank: ☒ YES ☐ NO Type of Ice: ☐ Blue ☐ Dry ☒ Wet
 Thermometer: ☐ T1 (0461) ☐ T2 (0436) ☐ T3 (0459) ☐ T4 (0402) ☐ T5 (0178) ☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ T9 (0727) ☐ 01339252 (1710) ☐ Melted ☐ None

Correction Factor: -1.0 Cooler Temp Read w/Temp Blank: 4.0, 1.8 °C Average Corrected Temp (no Temp Blank Only): °C
 Cooler Temp Corrected w/Temp Blank: 6.1, 4.4 °C
 NOTE: Temp should be above freezing to 6°C. ☐ See Exceptions Form ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: ☒ N/A Water Sample/Other (describe): Initials & Date of Person Examining Contents: LISZS MS
 Did Samples originate from one of the following states (check maps) - AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA: ☐ YES ☒ NO Did samples originate from a foreign source (international, including Hawaii and Puerto Rico): ☐ YES ☒ NO
 NOTE: 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	YES	NO	N/A	COMMENT(S)								
Chain of Custody Present and Filled Out?		☒		☒	☐		1.								
Chain of Custody Relinquished?		☒		☒	☐		2.								
Sampler Name and/or Signature on COC?		☒		☒	☐		3.								
Samples Arrived within Hold Time?		☒		☒	☐		4.								
Short Hold Time Analysis (<72 hr)?		☐		☒	☐		5. ☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom ☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos ☐ Total coliform/E. coli ☐ Other: <u> </u>								
Rush Turn Around Time Requested?		☐		☒	☐		6.								
Sufficient Sample Volume?		☒		☒	☐		7.								
Triple Volume Provided for MS/MSD (if more than 10 samples)?		☒		☒	☐		8.								
Correct Containers Used?		☒		☒	☐		9.								
- Pace Containers Used?		☒		☒	☐		10. Is sediment visible in the dissolved container: ☐ YES ☐ NO								
Containers Intact?		☒		☒	☐		11. If NO, write ID/Date/Time of container below: ☐ See Exceptions form ENV-FRM-MIN4-0142								
Field Filtered Volume Received for Dissolved Tests?		☐		☐	☒		12. Sample #: ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ Zinc Acetate Positive for Residual Chlorine: ☐ YES ☐ NO pH Paper Lot # <table border="1"> <tr> <th>Residual Chlorine</th> <th>0-5 Roll</th> <th>0-6 Strip</th> <th>0-14 Strip</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> ☐ See Exceptions form ENV-FRM-MIN4-0142	Residual Chlorine	0-5 Roll	0-6 Strip	0-14 Strip				
Residual Chlorine	0-5 Roll	0-6 Strip	0-14 Strip												
Is sufficient information available to reconcile the samples to the COC? NOTE: If ID/Date/Time don't match fill out section 11. Matrix: ☐ Oil ☒ Soil ☐ Water ☐ Other		☒		☒	☐		13.								
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil & Grease, DRO/8015 (water) and Dioxins/PFAS		☐		☐	☒		14.								
NOTE: If adding preservation to the container, verify with the PM first. Clients may require adding preservative to the field and equipment blanks when this occurs.		☐		☐	☒		Pace Trip Blank Lot # (if purchased): <u> </u>								
Extra labels present on soil VOA or WIDRO containers?		☐		☒	☐										
Headspace in VOA Vials (greater than 6mm)?		☐		☐	☒										
3 Trip Blanks Present?		☐		☐	☒										
Trip Blank Custody Seals Present?		☐		☐	☒										

Temp Log: Temp must be maintained at <6°C during login, record temp every 20 mins		
Opened Time: <u>1251</u>	Temp: <u>6.1, 4.4</u>	Corrected Temp: <u> </u>
Time: <u> </u>	Put in Cooler: <u>1311</u>	Corrected Temp: <u> </u>
Time: <u> </u>	Temp: <u> </u>	Corrected Temp: <u> </u>

FIELD DATA REQUIRED: ☐ YES ☐ NO

CLIENT NOTIFICATION / RESOLUTION

Person Contacted: Date & Time:

Comments / Resolution:

Project Manager Review: Julia Fogarty Date: 2/14/25

NOTE: When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled By: ms Line: (3)

ENV-FRM-MIN4-0142 v03_Sample Condition Upon Receipt - Exceptions

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
7048 1464 0610	6.6
7048 1464 0621	6.4

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	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	

Comments:

Report Prepared for:

Laura McWilliams
BP-LM Consulting
6420 S Macadam Ave
Portland OR 972393517

REPORT OF LABORATORY ANALYSIS FOR PCBs

Report Prepared Date:

April 21, 2025

Report Information:

Pace Project #: 10723702
Sample Receipt Date: 02/13/2025
Client Project #: BP Remediation
Client Sub PO #: ENFOS
State Cert #: MN300001

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 KirstenJohnson, your Pace Project Manager.

This report has been reviewed by:



April 21, 2025

KirstenJohnson, Project Manager
(612) 607-6407
(612) 607-6444 (fax)
kirsten.johnson@pacelabs.com



Report of Laboratory Analysis

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The results relate only to the samples included in this report.

DISCUSSION

This report presents the results from the analyses performed on twenty four samples submitted by a representative of BP-LM Consulting. The samples were analyzed for the presence or absence of selected polychlorinated biphenyl (PCB) congeners using USEPA Method 1668A. Reporting limits were set to the statistical method detection limits and were adjusted for the amount of sample extracted. Reporting limits determined based on the signal to noise ratio were flagged "A", with levels below the calibration range flagged "J" as estimated concentrations. Quantitation limits were also provided on the results tables.

The dilution level noted on the data tables is being adjusted to allow the correct data flags to populate the electronic deliverables as well as the data tables. Sample and MDL extracts were analyzed at elevated volumes. That volume is being treated as a 1x dilution for calculation purposes, with larger dilutions being factored from that volume.

All of the recoveries obtained for this project were 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. Selected extracts were reanalyzed due to retention time shifts in the initial analysis. Results taken from the secondary analyses were flagged "N2" on the sample results tables.

A laboratory method blank was prepared and analyzed with each sample batch as part of our routine quality control procedures. The results show the blanks to contain trace levels of PCB congeners. In some cases, the sample extracts contained these congeners at levels similar to those seen in the associated method blank and that may have originated in the laboratory. Congeners present at similar levels in both the method blank and associated sample extracts were flagged "B" on the sample results tables.

Laboratory spike samples were also prepared with each sample batch using a reference matrix that had been fortified with native standards. The results show that the spiked native compounds were recovered at 79-101%, with relative percent differences of 0.6-8.5%. These results were within method limits. Matrix spikes were also prepared with one sample set and were reported with project 10723332.

REPORT OF LABORATORY ANALYSIS

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Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Mississippi	MN00064
Alabama	40770	Missouri	10100
Alaska-DW	MN00064	Montana	CERT0092
Alaska-UST	17-009	Nebraska	NE-OS-18-06
Arizona	AZ0014	Nevada	MN00064
Arkansas - WW	88-0680	New Hampshire	2081
Arkansas-DW	MN00064	New Jersey	MN002
California	2929	New York	11647
Colorado	MN00064	North Carolina-DW	27700
Connecticut	PH-0256	North Carolina-WW	530
Florida	E87605	North Dakota	R-036
Georgia	959	Ohio-DW	41244
Hawaii	MN00064	Ohio-VAP (1700)	CL101
Idaho	MN00064	Ohio-VAP (1800)	CL110
Illinois	200011	Oklahoma	9507
Indiana	C-MN-01	Oregon-Primary	MN300001
Iowa	368	Oregon-Secondary	MN200001
Kansas	E-10167	Pennsylvania	68-00563
Kentucky-DW	90062	Puerto Rico	MN00064
Kentucky-WW	90062	South Carolina	74003
Louisiana-DEQ	AI-84596	Tennessee	TN02818
Louisiana-DW	MN00064	Texas	T104704192
Maine	MN00064	Utah	MN00064
Maryland	322	Vermont	VT-027053137
Michigan	9909	Virginia	460163
Minnesota	027-053-137	Washington	C486
Minnesota-Ag	via MN 027-053-137	West Virginia-DEP	382
Minnesota-Petrofund	1240	West Virginia-DW	9952C
		Wisconsin	999407970
		Wyoming-UST	via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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Fax: 612.607.6444
www.pacelabs.com

Appendix A

Sample Management

REPORT OF LABORATORY ANALYSIS

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Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

Page 1 of 3

BP Site Node Path:

Req Due Date (mm/dd/yyyy):

Rush TAT Yes ☐ No ☐

BP/RM Facility No:

Lab Work Order Number:

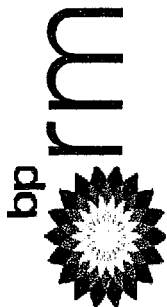
Lab Name: Pace Analytical	BP/ARC Facility Address:	Consultant/Contractor:	LM consulting
Lab Address: 1700 Elm St. SE, Suite 200, Minneapolis, MN 55414	City, State, ZIP Code:	Consultant/Contractor Project No:	BP Remediation
Lab PM: Julia Fogarty	Lead Regulatory Agency:	Address:	
Lab Phone: 612-656-1141	California Global ID No.:	Consultant/Contractor PM:	Laura McWilliams
Lab Shipping Acct:	Enfos Proposal No: 00BX4-0085	Phone: 858-226-7223	Email: laura@lmconsultingsd.com
Lab Bottle Order No: profile 47704 (EZ# 3210903)	Accounting Mode: Provision	Send/Submit EDD to:	EQUIS
Other Info:	Stage	Invoice To: ENFOS	BP-RM BP-Other
BP/RM PM: Loren Burmeister	Activity		

PM Phone: 406-570-8945	Report Type & QC Level
PM Email: loren.burmeister@bp.com	Limited (Standard) Package ☒ X
	ited Plus Package ☐
	Full Package ☐

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	Pres	1668A 209 PCB Conge	Dry Weight	Comments
SB-02-02-06-08-250211		2/11/25	1100	S					2	X		X	X	Freeze one jar of each
SB-02-02-08-05-250211			1105	S					2	X		X	X	002
SB-02-02-05-11-250211			1110	S					2	X		X	X	003
SB-02-02-11-12-250211			1115	S					2	X		X	X	004
SB-02-02-17-27-250211			1120	S					2	X		X	X	005
SB-02-02-29-31-250211			1125	S					2	X		X	X	006
SB-02-02-31-33-250211			1130	S					2	X		X	X	007
SB-02-FD-250211			1135	S					2	X		X	X	008
SB-03-06-08-250211			1530	S					2	X		X	X	009
SB-03-08-09-250211			1535	S					2	X		X	X	010

Sampler's Name: Laura McWilliams	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: LM Consulting						
Ship Method:	Ship Date:					
Shipment Tracking No:						

Special Instructions: **Freeze 1 of the jars on receipt	MS/MSD Sample Submitted: Yes ☐ No ☒
THIS LINE - LAB USE ONLY: Custody Seals in Place: Yes ☒ No ☐ Temp Blank: Yes ☒ No ☐ Cooler Temp on Receipt: 6/19/25 ☒ Trip Blank: Yes ☒ No ☐	



Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

BP Site Node Path:

BP/IRM Facility No:

Req Due Date (mm/dd/yyyy):

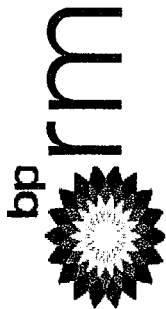
Lab Work Order Number:

Rush TAT Yes

No

Page 2 of 3

Lab Name: Pace Analytical		BP/ARC Facility Address:		Consultant/Contractor:		LM consulting	
Lab Address: 1700 Elm St. SE, Suite 200, Minneapolis, MN 55414		City, State, ZIP Code:		Consultant/Contractor Project No:		BP Remediation	
Lab PM: Julia Fogarty		Lead Regulatory Agency:		Address:			
Lab Phone: 612-656-1141		California Global ID No.:		Consultant/Contractor PM:		Laura McWilliams	
Lab Shipping Acct:		Enfos Proposal No: 00BX4-0085		Phone: 858-226-7223		Email: laura@lmconsultingsd.com	
Lab Bottle Order No: profile 47704 (EZ# 3210903)		Accounting Mode: Provision		Send/Submit EDD to:		EQUIS	
Other Info:		Stage		Invoiced To: ENFOS		BP-RM BP-Other	
BP/IRM PM: Loren Burmeister		Activity		Report Type & QC Level			
		Sample Details		Requested Analyses			
		Field Matrix		Limited (Standard) Package ☒ X			
		Start Depth		Limited Plus Package ☐			
		End Depth		Full Package ☐			
		Depth Unit					
		Grab (G) or Composite (C)					
		Total Number of Containers					
		Analysis					
		Pres					
		Tilt					
		1668A 209 PCB Conge					
		Dry Weight					
Lab No.	Sample Description	Date	Time	Comments			
SB-03-09-11-250211	2/11/25 1541	2/11/25	1541	Freeze one jar each			
SB-03-11-13-250211	1545		1545	012			
SB-03-13-15-250211	1550		1550	013			
SB-03-15-17-250211	1555		1555	014			
SB-03-17-19-250211	1600		1600	015			
SB-03-19-21-250211	1605		1605	016			
SB-03-21-23-250211	1610		1610	017			
SB-03-23-25-250211	1615		1615	018			
SB-03-25-27-250211	1620		1620	019			
SB-03-27-29-250211	1625		1625	020			
Sampler's Name: Laura McWilliams		Relinquished By / Affiliation		Date		Time	
Sampler's Company: LM Consulting		2/11/25		2/11/25		1541	
Ship Method:		Ship Date:		Date		Time	
Shipment Tracking No:				2/11/25		1541	
Special Instructions: **Freeze 1 of the jars on receipt							
THIS LINE - LAB USE ONLY: Custody Seals in Place Yes/No Temp Blank Yes/No Cooler Temp on Receipt: 26.1/1.4/1.0 Trip Blank: Yes/No MS/MSD Sample Submitted: Yes/No							



Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

Page 3 of 3

BP Site Node Path: _____

Req Due Date (mm/dd/yy): _____

Rush TAT Yes _____ No _____

BP/RM Facility No: _____

Lab Work Order Number: _____

Lab Name: Pace Analytical		BP/ARC Facility Address:		Consultant/Contractor: LM consulting	
Lab Address: 1700 Elm St. SE, Suite 200, Minneapolis, MN 55414		City, State, ZIP Code:		Consultant/Contractor Project No: BP Remediation	
Lab PM: Julia Fogarty		Lead Regulatory Agency:		Address:	
Lab Phone: 612-656-1141		California Global ID No.:		Consultant/Contractor PM: Laura McWilliams	
Lab Shipping Acct:		Enfos Proposal No: 00BX4-0085		Phone: 855-226-7223 Email: laura@lmconsultingsd.com	
Lab Bottle Order No: profile 47704 (EZ# 3210903)		Accounting Mode: Provision OOC-BU OOC-RM		Send/Submit EDD to: EQUS	
Other Info:		Stage Activity		Invoice To: ENFOS BP-RM BP-Other	
BP/RM PM: Loren Burmeister		Sample Details		Requested Analyses	
PM Phone: 406-570-8945		Field Matrix		Report Type & QC Level	
PM Email: loren.burmeister@bp.com		Start Depth		Limited (Standard) Package <u>X</u>	
		End Depth		Limited Plus Package _____	
		Depth Unit		Full Package _____	
		Grab (G) or Composite (C)			
		Total Number of Containers			
		Analysis			
		Pres			
		Fill			
		168A 209 PCB Conge			
		Dry Weight			
Lab No.	Sample Description	Time Date	Date Time	Comments	
	SB-03-27-29-25D21 1630	2/1/25	2/1/25	Freeze one jar of each 021	
	SB-03-29-31-25D21 1635	1635		022	
	SB-03-37-39-25D21 1640	1640		023	
	SB-03-31-33-25D21 1645	1645		024	
Sampler's Name: Laura McWilliams		Relinquished By / Affiliation		Date	
Sampler's Company: LMP Consulting		2/1/25 7:50 PM		2/1/25 8:50	
Ship Method:		Ship Date:			
Shipment Tracking No:					
Special Instructions: **Freeze 1 of the jars on receipt					
THIS LINE - LAB USE ONLY: Custody Seals in Place Yes No Temp Blank: Yes No Cooler Temp on Receipt: 16.1.4 °F/C Trip Blank: Yes No MSMSD Sample Submitted: Yes No					

ENV-FRM-MIN4-0149 v11_Sample Condition Upon Receipt - ES1

CLIENT NAME:

BP LM

PROJECT #:

WO#: 10723702

COURIER:

☐ Client

☐ Commercial

☒ FedEx

☐ Pace

☐ SpeedDee

☐ UPS

☐ USPS

PM: JMF

Due Date: 03/06/25

CLIENT: BP-LM Cons.

TRACKING NUMBER:

☒ See Exceptions form
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 Bags

☒ Bubble Wrap

☐ None

☐ Other

Temp Blank:

☒ YES ☐ NO

Type of Ice:

☐ Blue

☐ Dry

☒ Wet

Thermometer:

☐ T1 (0461)

☐ T2 (0436)

☐ T3 (0459)

☐ T4 (0402)

☐ T5 (0178)

☐ T6 (0235)

☐ T7 (0042)

☐ T8 (0775)

☐ T9 (0727)

☐ 01339252 (1710)

☐ Melted ☐ None

Correction Factor: -1.0

Cooler Temp Read w/Temp Blank: 4.0, 1.8 °C

Cooler Temp Corrected w/Temp Blank: -6.1, 4.9 °C

Average Corrected Temp (no Temp Blank Only): °C

NOTE: Temp should be above freezing to 6°C.

☐ See Exceptions Form ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil:

☒ N/A ☐ Water Sample/Other (describe):

Initials & Date of Person Examining Contents: LISZS MS

Did Samples originate from one of the following states (check maps) - AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA: ☐ YES ☒ NO

Did samples originate from a foreign source (international, including Hawaii and Puerto Rico): ☐ YES ☒ NO

NOTE: 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

YES

NO

N/A

COMMENT(S)

Chain of Custody Present and Filled Out?

☒

☐

☐

1.

Chain of Custody Relinquished?

☒

☐

☐

2.

Sampler Name and/or Signature on COC?

☒

☐

☐

3.

Samples Arrived within Hold Time?

☒

☐

☐

4.

Short Hold Time Analysis (<72 hr)?

☐

☒

☐

5.

☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom
☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos
☐ Total coliform/E. coli ☐ Other:

Rush Turn Around Time Requested?

☐

☒

☐

6.

Sufficient Sample Volume?

☒

☐

☐

7.

Triple Volume Provided for MS/MSD (if more than 10 samples)?

☐

☒

☐

8.

Correct Containers Used?

☒

☐

☐

9.

- Pace Containers Used?

☒

☐

☐

10.

Containers Intact?

☒

☐

☐

11.

Field Filtered Volume Received for Dissolved Tests?

☐

☐

☒

12.

Is sediment visible in the dissolved container:
☐ YES ☐ NO

Is sufficient information available to reconcile the samples to the COC?

☒

☐

☐

13.

NOTE: If ID/Date/Time don't match fill out section 11.

Matrix: ☐ Oil ☒ Soil ☐ Water ☐ Other

☐ See Exceptions form ENV-FRM-MIN4-0142

All containers needing acid/base preservation have been checked?

☐

☐

☒

14.

All containers needing preservation are found to be in compliance with EPA recommendation? (HNO₃, H₂SO₄, < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide)

☐

☐

☒

☐ HNO₃ ☐ H₂SO₄ ☐ NaOH ☐ Zinc Acetate
Positive for Residual Chlorine: ☐ YES ☐ NO

Exceptions: VOA, Coliform, TOC/DOC, Oil & Grease, DRO/8015 (water) and Dioxins/PFAS

☐

☐

☒

pH Paper Lot #

Residual Chlorine	0-5 Roll	0-5 Strip	0-14 Strip

☐ See Exceptions form ENV-FRM-MIN4-0142

Extra labels present on soil VOA or WIDRO containers?

☐

☒

☒

15.

Headspace in VOA Vials (greater than 6mm)?

☐

☐

☒

☐ See Exceptions form ENV-FRM-MIN4-0140

3 Trip Blanks Present?

☐

☐

☒

16.

Trip Blank Custody Seals Present?

☐

☐

☒

Pace Trip Blank Lot # (if purchased):

Temp Log: Temp must be maintained at <6°C during login, record temp every 20 mins

Opened Time: 1251	Temp: 4.6, 4.9	Corrected Temp:
Time:	Put in Cooler: 1311	
Time:	Temp:	Corrected Temp:

FIELD DATA REQUIRED: ☐ YES ☐ NO

CLIENT NOTIFICATION / RESOLUTION

Person Contacted:

Date & Time:

Comments / Resolution:

Project Manager Review:

Date: 2/14/25

NOTE: When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled By:

Line:

(3)

ENV-FRM-MIN4-0142 v03_Sample Condition Upon Receipt - Exceptions

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
7048 1464 0610	6.6
7048 1464 0621	6.4

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	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	

Comments:



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

REPORT OF LABORATORY ANALYSIS

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Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
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 Minneapolis, MN 55414
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 Fax: 612.607.6444
 www.pacelabs.com

CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-02-06-08-250211**

Lab Sample ID: 10723702001

Lab File ID: Y250315A_08

Matrix: Solid

Percent Solids: 85.5%

Date Collected: 02/11/2025 11:00

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 16:58

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.6g

Dry Weight Extracted: 9.11g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.54	2.99	2.00	1.09	54	
1	PCB-003L	12.37	2.98	2.00	1.20	60	
2	PCB-004L	12.68	1.66	2.00	1.38	69	
2	PCB-015L	19.72	1.54	2.00	1.33	66	
3	PCB-019L	16.50	1.04	2.00	1.52	76	
3	PCB-037L	27.46	1.04	2.00	1.14	57	
4	PCB-054L	20.06	0.78	2.00	1.14	57	
4	PCB-077L	35.16	0.76	2.00	1.38	69	
4	PCB-081L	34.55	0.78	2.00	1.30	65	
5	PCB-104L	26.15	1.57	2.00	1.38	69	
5	PCB-105L	38.72	1.59	2.00	1.15	57	
5	PCB-114L	38.08	1.63	2.00	1.18	59	
5	PCB-118L	37.53	1.58	2.00	1.14	57	
5	PCB-123L	37.19	1.58	2.00	1.16	58	
5	PCB-126L	41.87	1.55	2.00	1.29	64	
6	PCB-155L	32.17	1.30	2.00	1.45	72	
6	PCB-156/157L	44.94	1.24	4.00	2.24	56	
6	PCB-167L	43.77	1.24	2.00	1.11	56	
6	PCB-169L	48.21	1.25	2.00	1.23	62	
7	PCB-188L	38.06	1.03	2.00	1.53	76	
7	PCB-189L	50.78	1.02	2.00	1.13	57	
8	PCB-202L	43.53	0.93	2.00	1.42	71	
8	PCB-205L	53.39	0.88	2.00	1.24	62	
9	PCB-206L	55.13	0.80	2.00	1.58	79	
9	PCB-208L	50.31	0.81	2.00	1.44	72	
10	PCB-209L	56.77	0.72	2.00	1.81	90	
Recovery Standards							
2	PCB-009L	15.25	1.55	2.00	1.61	N/A	
4	PCB-052L	25.11	0.77	2.00	2.16	N/A	
5	PCB-101L	32.39	1.59	2.00	2.26	N/A	
6	PCB-138L	40.71	1.23	2.00	2.34	N/A	
8	PCB-194L	52.89	0.93	2.00	2.39	N/A	
Cleanup Standards							
3	PCB-028L	23.13	1.00	2.00	1.03	52	
5	PCB-111L	35.22	1.49	2.00	1.33	66	
7	PCB-178L	41.16	1.05	2.00	1.71	86	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-02-06-08-250211**

Lab Sample ID: 10723702001

Lab File ID: Y250315A_08

Matrix: Solid

Percent Solids: 85.5%

Date Collected: 02/11/2025 11:00

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 16:58

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.6g

Dry Weight Extracted: 9.11g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND		27.5	3.93	
1	PCB-002			ND		27.5	4.13	
1	PCB-003			ND		27.5	4.14	
2	PCB-004			ND	A	27.5	11.9	
2	PCB-005			ND	A	27.5	11.3	
2	PCB-006			ND	A	27.5	10.4	
2	PCB-007			ND	A	27.5	10.2	
2	PCB-008			ND	A	27.5	9.86	
2	PCB-009			ND	A	27.5	10.7	
2	PCB-010			ND	A	27.5	7.13	
2	PCB-011	19.04	1.36	152	BJ	269	100	
2	PCB-012/013			ND	A	54.9	10.6	
2	PCB-014			ND	A	27.5	10.4	
2	PCB-015			ND	A	36.2	9.67	
3	PCB-016			ND		27.5	7.81	
3	PCB-017			ND		27.5	8.75	
3	PCB-018/030			ND		54.9	19.7	
3	PCB-019			ND		27.5	3.05	
3	PCB-020/028			ND		142	29.4	
3	PCB-021/033			ND		148	16.1	
3	PCB-022			ND		104	13.7	
3	PCB-023			ND		27.5	3.06	
3	PCB-024			ND		27.5	4.32	
3	PCB-025			ND		27.5	3.82	
3	PCB-026/029			ND		54.9	7.01	
3	PCB-027			ND		27.5	5.29	
3	PCB-031			ND		143	24.9	
3	PCB-032			ND		27.5	8.54	
3	PCB-034			ND		27.5	3.36	
3	PCB-035			ND		27.5	4.06	
3	PCB-036			ND		27.5	3.03	
3	PCB-037			ND		58.2	6.51	
3	PCB-038			ND		27.5	2.59	
3	PCB-039			ND		27.5	3.39	

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **SB-02-06-08-250211**

Lab Sample ID: 10723702001

Lab File ID: Y250315A_08

Matrix: Solid

Percent Solids: 85.5%

Date Collected: 02/11/2025 11:00

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 16:58

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.6g

Dry Weight Extracted: 9.11g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071			ND		82.4	15.3	
4	PCB-042			ND		27.5	6.08	
4	PCB-043/073			ND		54.9	12.4	
4	PCB-044/047/065			ND		82.4	23.1	
4	PCB-045/051			ND		54.9	11.4	
4	PCB-046			ND		27.5	3.82	
4	PCB-048			ND		27.5	4.66	
4	PCB-069/049			ND		54.9	12.2	
4	PCB-050/053			ND		54.9	9.21	
4	PCB-052			ND		142	25.4	
4	PCB-054			ND		27.5	2.70	
4	PCB-055			ND		27.5	3.69	
4	PCB-056	31.28	0.85	6.57	J	27.5	6.22	
4	PCB-057			ND		27.5	2.80	
4	PCB-058			ND		27.5	2.39	
4	PCB-059/062/075			ND		82.4	6.46	
4	PCB-060			ND		27.5	6.33	
4	PCB-061/070/074/076	30.26	0.75	19.8	J	110	18.9	
4	PCB-063			ND		27.5	2.94	
4	PCB-064			ND		27.5	6.55	
4	PCB-066			ND		64.8	16.0	
4	PCB-067			ND		27.5	2.68	
4	PCB-068			ND		27.5	3.00	
4	PCB-072			ND		27.5	2.56	
4	PCB-077			ND		27.5	3.50	
4	PCB-078			ND		27.5	3.22	
4	PCB-079			ND		27.5	3.25	
4	PCB-080			ND		27.5	1.98	
4	PCB-081			ND		27.5	2.60	
5	PCB-082			ND		27.5	8.12	
5	PCB-083			ND		27.5	3.31	
5	PCB-084			ND		27.5	4.95	
5	PCB-085/116/117			ND		82.4	8.16	
5	PCB-086/087/097/108/119/12			ND		165	14.9	

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Sample Analysis Summary

Method 1668A

Page 4 of 7

Client Sample ID: **SB-02-06-08-250211**

Lab Sample ID: 10723702001

Lab File ID: Y250315A_08

Matrix: Solid

Percent Solids: 85.5%

Date Collected: 02/11/2025 11:00

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 16:58

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.6g

Dry Weight Extracted: 9.11g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091			ND		54.9	7.32	
5	PCB-089			ND		27.5	3.73	
5	PCB-090/101/113			ND		82.4	14.4	
5	PCB-092			ND		27.5	4.13	
5	PCB-093/098/100/102			ND		110	10.6	
5	PCB-094			ND		27.5	2.49	
5	PCB-095			ND		76.9	17.6	
5	PCB-096			ND		27.5	4.69	
5	PCB-099			ND		27.5	5.53	
5	PCB-103			ND		27.5	3.58	
5	PCB-104			ND		27.5	3.18	
5	PCB-105			ND		27.5	4.88	
5	PCB-106			ND		27.5	2.88	
5	PCB-107/124			ND		54.9	4.91	
5	PCB-109			ND		27.5	3.80	
5	PCB-110/115	34.45	1.54	10.3	J	54.9	9.84	
5	PCB-111			ND		27.5	2.93	
5	PCB-112			ND		27.5	2.99	
5	PCB-114			ND		27.5	2.64	
5	PCB-118			ND		42.8	7.04	
5	PCB-120			ND		27.5	3.12	
5	PCB-121			ND		27.5	2.64	
5	PCB-122			ND		27.5	4.32	
5	PCB-123			ND		27.5	3.05	
5	PCB-126			ND		27.5	2.77	
5	PCB-127			ND		27.5	3.09	
6	PCB-128/166			ND		54.9	6.01	
6	PCB-129/138/163			ND		82.4	12.0	
6	PCB-130			ND		27.5	3.29	
6	PCB-131			ND		27.5	3.62	
6	PCB-132			ND		27.5	5.25	
6	PCB-133			ND		27.5	3.47	
6	PCB-134/143			ND		54.9	5.06	
6	PCB-135/151			ND		54.9	10.2	

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Sample Analysis Summary

Method 1668A

Page 5 of 7

Client Sample ID: **SB-02-06-08-250211**

Lab Sample ID: 10723702001

Lab File ID: Y250315A_08

Matrix: Solid

Percent Solids: 85.5%

Date Collected: 02/11/2025 11:00

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 16:58

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.6g

Dry Weight Extracted: 9.11g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136			ND		27.5	5.25	
6	PCB-137			ND		27.5	3.96	
6	PCB-139/140			ND		54.9	4.85	
6	PCB-141			ND		27.5	4.45	
6	PCB-142			ND		27.5	3.22	
6	PCB-144			ND		27.5	4.44	
6	PCB-145			ND		27.5	2.89	
6	PCB-146			ND		27.5	4.34	
6	PCB-147/149			ND		54.9	12.7	
6	PCB-148			ND		27.5	6.02	
6	PCB-150			ND		27.5	3.25	
6	PCB-152			ND		27.5	3.54	
6	PCB-153/168			ND		54.9	8.39	
6	PCB-154			ND		27.5	3.65	
6	PCB-155			ND		27.5	3.27	
6	PCB-156/157			ND		54.9	4.69	
6	PCB-158			ND		27.5	2.56	
6	PCB-159			ND		27.5	3.06	
6	PCB-160			ND		27.5	3.13	
6	PCB-161			ND		27.5	2.51	
6	PCB-162			ND		27.5	2.81	
6	PCB-164			ND		27.5	3.27	
6	PCB-165			ND		27.5	2.33	
6	PCB-167			ND		27.5	3.23	
6	PCB-169			ND		27.5	3.56	
7	PCB-170			ND		27.5	5.59	
7	PCB-171/173			ND		54.9	5.18	
7	PCB-172			ND		27.5	3.55	
7	PCB-174			ND		27.5	5.84	
7	PCB-175			ND		27.5	2.72	
7	PCB-176			ND		27.5	3.83	
7	PCB-177			ND		27.5	4.74	
7	PCB-178			ND		27.5	3.82	
7	PCB-179			ND		27.5	4.25	

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Sample Analysis Summary

Method 1668A

Page 6 of 7

Client Sample ID: **SB-02-06-08-250211**

Lab Sample ID: 10723702001

Lab File ID: Y250315A_08

Matrix: Solid

Percent Solids: 85.5%

Date Collected: 02/11/2025 11:00

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 16:58

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.6g

Dry Weight Extracted: 9.11g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193			ND		54.9	10.1	
7	PCB-181			ND		27.5	3.16	
7	PCB-182			ND		27.5	3.53	
7	PCB-183/185			ND		54.9	6.82	
7	PCB-184			ND		27.5	3.01	
7	PCB-186			ND		27.5	3.21	
7	PCB-187			ND		27.5	6.24	
7	PCB-188			ND		27.5	2.41	
7	PCB-189			ND		27.5	3.66	
7	PCB-190			ND		27.5	3.05	
7	PCB-191			ND		27.5	2.45	
7	PCB-192			ND		27.5	3.11	
8	PCB-194			ND		27.5	3.72	
8	PCB-195			ND		27.5	3.29	
8	PCB-196			ND		27.5	3.10	
8	PCB-197/200			ND		54.9	6.64	
8	PCB-198/199			ND		54.9	5.11	
8	PCB-201			ND		27.5	2.70	
8	PCB-202			ND		27.5	1.92	
8	PCB-203			ND		27.5	3.74	
8	PCB-204			ND		27.5	2.51	
8	PCB-205			ND		27.5	3.06	
9	PCB-206			ND		27.5	3.17	
9	PCB-207			ND		27.5	2.50	
9	PCB-208			ND		27.5	2.67	
10	PCB-209			ND		27.5	4.10	

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CB Congener Totals Summary

Method 1668A

Page 7 of 7

Client Sample ID: **SB-02-06-08-250211**

Lab Sample ID: 10723702001

Lab File ID: Y250315A_08

Matrix: Solid

Percent Solids: 85.5%

Date Collected: 02/11/2025 11:00

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 16:58

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.6g

Dry Weight Extracted: 9.11g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	152	JB
Total TrCB	ND	
Total TeCB	26.4	J
Total PeCB	10.3	J
Total HxCB	ND	
Total HpCB	ND	
Total OcCB	ND	
Total NoCB	ND	
DeCB	ND	
Total PCBs	189	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-02-08-9.5-250211**

Lab Sample ID: 10723702002

Lab File ID: Y250315A_09

Matrix: Solid

Percent Solids: 92.439%

Date Collected: 02/11/2025 11:05

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 17:59

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.2g

Dry Weight Extracted: 9.42g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.54	2.71	2.00	1.14	57	
1	PCB-003L	12.39	2.90	2.00	1.23	61	
2	PCB-004L	12.70	1.59	2.00	1.40	70	
2	PCB-015L	19.75	1.55	2.00	1.32	66	
3	PCB-019L	16.55	1.01	2.00	1.52	76	
3	PCB-037L	27.46	1.06	2.00	1.10	55	
4	PCB-054L	20.08	0.81	2.00	1.13	56	
4	PCB-077L	35.22	0.81	2.00	1.28	64	
4	PCB-081L	34.55	0.78	2.00	1.25	63	
5	PCB-104L	26.15	1.58	2.00	1.28	64	
5	PCB-105L	38.73	1.54	2.00	1.07	53	
5	PCB-114L	38.08	1.48	2.00	1.14	57	
5	PCB-118L	37.54	1.62	2.00	1.04	52	
5	PCB-123L	37.21	1.54	2.00	1.07	54	
5	PCB-126L	41.87	1.54	2.00	1.20	60	
6	PCB-155L	32.17	1.21	2.00	1.34	67	
6	PCB-156/157L	44.94	1.25	4.00	2.12	53	
6	PCB-167L	43.77	1.22	2.00	1.05	52	
6	PCB-169L	48.21	1.25	2.00	1.24	62	
7	PCB-188L	38.08	1.04	2.00	1.39	70	
7	PCB-189L	50.76	1.06	2.00	1.07	53	
8	PCB-202L	43.53	0.92	2.00	1.32	66	
8	PCB-205L	53.37	0.91	2.00	1.22	61	
9	PCB-206L	55.14	0.77	2.00	1.44	72	
9	PCB-208L	50.31	0.77	2.00	1.37	68	
10	PCB-209L	56.77	0.75	2.00	1.72	86	
Recovery Standards							
2	PCB-009L	15.35	1.59	2.00	1.70	N/A	
4	PCB-052L	25.11	0.77	2.00	2.32	N/A	
5	PCB-101L	32.39	1.56	2.00	2.50	N/A	
6	PCB-138L	40.71	1.25	2.00	2.57	N/A	
8	PCB-194L	52.89	0.88	2.00	2.69	N/A	
Cleanup Standards							
3	PCB-028L	23.13	0.99	2.00	1.02	51	
5	PCB-111L	35.27	1.56	2.00	1.20	60	
7	PCB-178L	41.16	1.10	2.00	1.56	78	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-08-9.5-250211**

Lab Sample ID: 10723702002

Lab File ID: Y250315A_09

Matrix: Solid

Percent Solids: 92.439%

Date Collected: 02/11/2025 11:05

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 17:59

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.2g

Dry Weight Extracted: 9.42g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND		26.5	3.80	
1	PCB-002			ND		26.5	3.99	
1	PCB-003			ND		26.5	4.00	
2	PCB-004			ND	A	26.5	14.0	
2	PCB-005			ND	A	26.5	8.21	
2	PCB-006			ND	A	26.5	7.51	
2	PCB-007			ND	A	26.5	7.41	
2	PCB-008			ND		26.5	7.27	
2	PCB-009			ND	A	26.5	7.79	
2	PCB-010			ND	A	26.5	7.82	
2	PCB-011			ND		260	97.1	
2	PCB-012/013			ND	A	53.1	7.73	
2	PCB-014			ND	A	26.5	7.53	
2	PCB-015			ND		35.0	6.92	
3	PCB-016			ND		26.5	7.55	
3	PCB-017			ND		26.5	8.46	
3	PCB-018/030			ND		53.1	19.0	
3	PCB-019			ND		26.5	2.95	
3	PCB-020/028			ND		137	28.5	
3	PCB-021/033			ND		143	15.6	
3	PCB-022			ND		101	13.3	
3	PCB-023			ND		26.5	2.96	
3	PCB-024			ND		26.5	4.17	
3	PCB-025			ND		26.5	3.69	
3	PCB-026/029			ND		53.1	6.77	
3	PCB-027			ND		26.5	5.12	
3	PCB-031			ND		138	24.1	
3	PCB-032			ND		26.5	8.26	
3	PCB-034			ND		26.5	3.25	
3	PCB-035			ND		26.5	3.93	
3	PCB-036			ND		26.5	2.93	
3	PCB-037			ND		56.3	6.30	
3	PCB-038			ND		26.5	2.51	
3	PCB-039			ND		26.5	3.28	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-08-9.5-250211**

Lab Sample ID: 10723702002

Lab File ID: Y250315A_09

Matrix: Solid

Percent Solids: 92.439%

Date Collected: 02/11/2025 11:05

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 17:59

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.2g

Dry Weight Extracted: 9.42g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071			ND		79.6	14.8	
4	PCB-042			ND		26.5	5.88	
4	PCB-043/073			ND		53.1	12.0	
4	PCB-044/047/065			ND		79.6	22.3	
4	PCB-045/051			ND		53.1	11.0	
4	PCB-046			ND		26.5	3.69	
4	PCB-048			ND		26.5	4.50	
4	PCB-069/049			ND		53.1	11.8	
4	PCB-050/053			ND		53.1	8.91	
4	PCB-052			ND		137	24.5	
4	PCB-054			ND		26.5	2.61	
4	PCB-055			ND		26.5	3.57	
4	PCB-056			ND		26.5	6.01	
4	PCB-057			ND		26.5	2.71	
4	PCB-058			ND		26.5	2.31	
4	PCB-059/062/075			ND		79.6	6.24	
4	PCB-060			ND		26.5	6.11	
4	PCB-061/070/074/076			ND		106	18.3	
4	PCB-063			ND		26.5	2.85	
4	PCB-064			ND		26.5	6.33	
4	PCB-066			ND		62.6	15.5	
4	PCB-067			ND		26.5	2.59	
4	PCB-068			ND		26.5	2.90	
4	PCB-072			ND		26.5	2.47	
4	PCB-077			ND		26.5	3.39	
4	PCB-078			ND		26.5	3.11	
4	PCB-079			ND		26.5	3.14	
4	PCB-080			ND		26.5	1.91	
4	PCB-081			ND		26.5	2.52	
5	PCB-082			ND		26.5	7.85	
5	PCB-083			ND		26.5	3.20	
5	PCB-084			ND		26.5	4.79	
5	PCB-085/116/117			ND		79.6	7.89	
5	PCB-086/087/097/108/119/12			ND		159	14.4	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-08-9.5-250211**

Lab Sample ID: 10723702002

Lab File ID: Y250315A_09

Matrix: Solid

Percent Solids: 92.439%

Date Collected: 02/11/2025 11:05

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 17:59

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.2g

Dry Weight Extracted: 9.42g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091			ND		53.1	7.08	
5	PCB-089			ND		26.5	3.61	
5	PCB-090/101/113			ND		79.6	13.9	
5	PCB-092			ND		26.5	3.99	
5	PCB-093/098/100/102			ND		106	10.2	
5	PCB-094			ND		26.5	2.41	
5	PCB-095			ND		74.3	17.0	
5	PCB-096			ND		26.5	4.53	
5	PCB-099			ND		26.5	5.35	
5	PCB-103			ND		26.5	3.46	
5	PCB-104			ND		26.5	3.08	
5	PCB-105			ND		26.5	4.71	
5	PCB-106			ND		26.5	2.78	
5	PCB-107/124			ND		53.1	4.75	
5	PCB-109			ND		26.5	3.67	
5	PCB-110/115	34.47	1.64	10.2	J	53.1	9.51	
5	PCB-111			ND		26.5	2.83	
5	PCB-112			ND		26.5	2.89	
5	PCB-114			ND		26.5	2.55	
5	PCB-118			ND		41.4	6.81	
5	PCB-120			ND		26.5	3.02	
5	PCB-121			ND		26.5	2.55	
5	PCB-122			ND		26.5	4.17	
5	PCB-123			ND		26.5	2.95	
5	PCB-126			ND		26.5	2.68	
5	PCB-127			ND		26.5	2.98	
6	PCB-128/166			ND		53.1	5.81	
6	PCB-129/138/163	40.75	1.19	25.0	J	79.6	11.6	
6	PCB-130			ND		26.5	3.18	
6	PCB-131			ND		26.5	3.50	
6	PCB-132	37.66	1.33	9.02	J	26.5	5.07	
6	PCB-133			ND		26.5	3.35	
6	PCB-134/143			ND		53.1	4.89	
6	PCB-135/151	35.49	1.24	16.8	J	53.1	9.84	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-08-9.5-250211**

Lab Sample ID: 10723702002

Lab File ID: Y250315A_09

Matrix: Solid

Percent Solids: 92.439%

Date Collected: 02/11/2025 11:05

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 17:59

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.2g

Dry Weight Extracted: 9.42g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	32.94	1.14	6.19	J	26.5	5.07	
6	PCB-137			ND		26.5	3.83	
6	PCB-139/140			ND		53.1	4.69	
6	PCB-141	39.67	1.54 *	5.33	JI	26.5	4.30	5.33
6	PCB-142			ND		26.5	3.11	
6	PCB-144			ND		26.5	4.29	
6	PCB-145			ND		26.5	2.79	
6	PCB-146			ND		26.5	4.19	
6	PCB-147/149	36.40	1.17	29.5	J	53.1	12.3	
6	PCB-148			ND		26.5	5.82	
6	PCB-150			ND		26.5	3.14	
6	PCB-152			ND		26.5	3.42	
6	PCB-153/168	39.49	1.15	23.4	J	53.1	8.11	
6	PCB-154			ND		26.5	3.52	
6	PCB-155			ND		26.5	3.16	
6	PCB-156/157			ND		53.1	4.53	
6	PCB-158			ND		26.5	2.47	
6	PCB-159			ND		26.5	2.96	
6	PCB-160			ND		26.5	3.03	
6	PCB-161			ND		26.5	2.43	
6	PCB-162			ND		26.5	2.72	
6	PCB-164			ND		26.5	3.16	
6	PCB-165			ND		26.5	2.25	
6	PCB-167			ND		26.5	3.12	
6	PCB-169			ND		26.5	3.44	
7	PCB-170	47.66	1.11	10.6	J	26.5	5.40	
7	PCB-171/173			ND		53.1	5.01	
7	PCB-172			ND		26.5	3.43	
7	PCB-174	42.98	0.99	14.0	J	26.5	5.65	
7	PCB-175			ND		26.5	2.63	
7	PCB-176			ND		26.5	3.71	
7	PCB-177	43.43	1.07	8.60	J	26.5	4.59	
7	PCB-178			ND		26.5	3.69	
7	PCB-179	38.43	1.01	6.55	J	26.5	4.11	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-08-9.5-250211**

Lab Sample ID: 10723702002

Lab File ID: Y250315A_09

Matrix: Solid

Percent Solids: 92.439%

Date Collected: 02/11/2025 11:05

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 17:59

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.2g

Dry Weight Extracted: 9.42g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.37	0.96	29.5	J	53.1	9.78	
7	PCB-181			ND		26.5	3.06	
7	PCB-182			ND		26.5	3.41	
7	PCB-183/185	42.76	0.98	9.70	J	53.1	6.59	
7	PCB-184			ND		26.5	2.91	
7	PCB-186			ND		26.5	3.10	
7	PCB-187	42.12	1.16	18.4	J	26.5	6.03	
7	PCB-188			ND		26.5	2.32	
7	PCB-189			ND		26.5	3.54	
7	PCB-190			ND		26.5	2.95	
7	PCB-191			ND		26.5	2.37	
7	PCB-192			ND		26.5	3.00	
8	PCB-194	52.94	0.95	6.69	J	26.5	3.60	
8	PCB-195			ND		26.5	3.18	
8	PCB-196	49.02	0.80	3.46	J	26.5	2.99	
8	PCB-197/200			ND		53.1	6.42	
8	PCB-198/199	48.36	0.76	7.97	J	53.1	4.94	
8	PCB-201			ND		26.5	2.61	
8	PCB-202			ND		26.5	1.86	
8	PCB-203	49.22	0.84	5.74	J	26.5	3.62	
8	PCB-204			ND		26.5	2.43	
8	PCB-205			ND		26.5	2.96	
9	PCB-206			ND		26.5	3.07	
9	PCB-207			ND		26.5	2.42	
9	PCB-208			ND		26.5	2.58	
10	PCB-209			ND		26.5	3.96	

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **SB-02-08-9.5-250211**
Lab Sample ID: 10723702002
Lab File ID: Y250315A_09
Matrix: Solid
Percent Solids: 92.439%
Date Collected: 02/11/2025 11:05
Date Received: 02/13/2025 08:50
Date Extracted: 03/07/2025 12:00
Date Analyzed: 03/15/2025 17:59
Method Blank ID: BLANK-117861
Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet
Total Amount Extracted: 10.2g
Dry Weight Extracted: 9.42g
Extract Volume: 200 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: JRH
Instrument ID: 10MSHR12 (Y)
GC Column ID: 286731-02
Ical ID: Y250315A03
CCal File(s): Y250315A_02

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	ND	
Total TrCB	ND	
Total TeCB	ND	
Total PeCB	10.2	J
Total HxCB	110	J
Total HpCB	97.3	J
Total OcCB	23.9	J
Total NoCB	ND	
DeCB	ND	
Total PCBs	241	

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CB Congener Labeled Analyte Summary

Method 1668A

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Client Sample ID: **SB-02-9.5-11-250211**

Lab Sample ID: 10723702003

Lab File ID: Y250315A_10

Matrix: Solid

Percent Solids: 90.13%

Date Collected: 02/11/2025 11:10

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 18:59

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.4g

Dry Weight Extracted: 12.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.52	3.03	2.00	1.08	54	
1	PCB-003L	12.36	2.83	2.00	1.21	60	
2	PCB-004L	12.67	1.54	2.00	1.41	70	
2	PCB-015L	19.72	1.60	2.00	1.32	66	
3	PCB-019L	16.50	1.02	2.00	1.56	78	
3	PCB-037L	27.46	1.05	2.00	1.09	55	
4	PCB-054L	20.06	0.75	2.00	1.10	55	
4	PCB-077L	35.16	0.79	2.00	1.30	65	
4	PCB-081L	34.55	0.74	2.00	1.31	65	
5	PCB-104L	26.15	1.58	2.00	1.26	63	
5	PCB-105L	38.72	1.51	2.00	1.10	55	
5	PCB-114L	38.06	1.53	2.00	1.16	58	
5	PCB-118L	37.53	1.60	2.00	1.09	55	
5	PCB-123L	37.19	1.53	2.00	1.09	54	
5	PCB-126L	41.87	1.60	2.00	1.25	62	
6	PCB-155L	32.17	1.26	2.00	1.34	67	
6	PCB-156/157L	44.94	1.25	4.00	2.20	55	
6	PCB-167L	43.77	1.30	2.00	1.10	55	
6	PCB-169L	48.21	1.27	2.00	1.26	63	
7	PCB-188L	38.06	1.04	2.00	1.42	71	
7	PCB-189L	50.76	1.02	2.00	1.10	55	
8	PCB-202L	43.52	0.93	2.00	1.37	68	
8	PCB-205L	53.37	0.89	2.00	1.27	63	
9	PCB-206L	55.13	0.79	2.00	1.49	75	
9	PCB-208L	50.29	0.79	2.00	1.44	72	
10	PCB-209L	56.77	0.74	2.00	1.74	87	
Recovery Standards							
2	PCB-009L	15.25	1.55	2.00	1.57	N/A	
4	PCB-052L	25.11	0.78	2.00	2.16	N/A	
5	PCB-101L	32.37	1.55	2.00	2.35	N/A	
6	PCB-138L	40.71	1.22	2.00	2.41	N/A	
8	PCB-194L	52.89	0.91	2.00	2.51	N/A	
Cleanup Standards							
3	PCB-028L	23.11	1.10	2.00	1.01	50	
5	PCB-111L	35.22	1.57	2.00	1.28	64	
7	PCB-178L	41.16	1.05	2.00	1.66	83	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-02-9.5-11-250211**

Lab Sample ID: 10723702003

Lab File ID: Y250315A_10

Matrix: Solid

Percent Solids: 90.13%

Date Collected: 02/11/2025 11:10

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 18:59

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.4g

Dry Weight Extracted: 12.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND		20.7	2.96	
1	PCB-002			ND		20.7	3.11	
1	PCB-003			ND		20.7	3.12	
2	PCB-004			ND	A	20.7	10.8	
2	PCB-005			ND	A	20.7	6.92	
2	PCB-006			ND	A	20.7	6.34	
2	PCB-007			ND	A	20.7	6.25	
2	PCB-008			ND	A	20.7	6.04	
2	PCB-009			ND	A	20.7	6.57	
2	PCB-010			ND	A	20.7	6.40	
2	PCB-011	19.05	1.39	93.5	BJ	203	75.8	
2	PCB-012/013			ND	A	41.4	6.52	
2	PCB-014			ND	A	20.7	6.36	
2	PCB-015			ND	A	27.3	5.86	
3	PCB-016			ND		20.7	5.89	
3	PCB-017			ND		20.7	6.60	
3	PCB-018/030			ND		41.4	14.8	
3	PCB-019			ND		20.7	2.30	
3	PCB-020/028			ND		107	22.2	
3	PCB-021/033			ND		112	12.2	
3	PCB-022			ND		78.7	10.3	
3	PCB-023			ND		20.7	2.31	
3	PCB-024			ND		20.7	3.25	
3	PCB-025			ND		20.7	2.88	
3	PCB-026/029			ND		41.4	5.28	
3	PCB-027			ND		20.7	3.99	
3	PCB-031			ND		108	18.8	
3	PCB-032			ND		20.7	6.44	
3	PCB-034			ND		20.7	2.53	
3	PCB-035			ND		20.7	3.06	
3	PCB-036			ND		20.7	2.29	
3	PCB-037			ND		43.9	4.91	
3	PCB-038			ND		20.7	1.95	
3	PCB-039			ND		20.7	2.56	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-9.5-11-250211**

Lab Sample ID: 10723702003

Lab File ID: Y250315A_10

Matrix: Solid

Percent Solids: 90.13%

Date Collected: 02/11/2025 11:10

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 18:59

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.4g

Dry Weight Extracted: 12.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071			ND		62.1	11.5	
4	PCB-042			ND		20.7	4.59	
4	PCB-043/073			ND		41.4	9.36	
4	PCB-044/047/065			ND		62.1	17.4	
4	PCB-045/051			ND		41.4	8.61	
4	PCB-046			ND		20.7	2.88	
4	PCB-048			ND		20.7	3.51	
4	PCB-069/049			ND		41.4	9.19	
4	PCB-050/053			ND		41.4	6.95	
4	PCB-052			ND		107	19.1	
4	PCB-054			ND		20.7	2.04	
4	PCB-055			ND		20.7	2.78	
4	PCB-056			ND		20.7	4.69	
4	PCB-057			ND		20.7	2.11	
4	PCB-058			ND		20.7	1.81	
4	PCB-059/062/075			ND		62.1	4.87	
4	PCB-060			ND		20.7	4.77	
4	PCB-061/070/074/076			ND		82.8	14.2	
4	PCB-063			ND		20.7	2.22	
4	PCB-064			ND		20.7	4.93	
4	PCB-066			ND		48.9	12.1	
4	PCB-067			ND		20.7	2.02	
4	PCB-068			ND		20.7	2.26	
4	PCB-072			ND		20.7	1.93	
4	PCB-077			ND		20.7	2.64	
4	PCB-078			ND		20.7	2.43	
4	PCB-079			ND		20.7	2.45	
4	PCB-080			ND		20.7	1.49	
4	PCB-081			ND		20.7	1.96	
5	PCB-082			ND		20.7	6.12	
5	PCB-083			ND		20.7	2.49	
5	PCB-084			ND		20.7	3.73	
5	PCB-085/116/117			ND		62.1	6.15	
5	PCB-086/087/097/108/119/12			ND		124	11.3	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-9.5-11-250211**

Lab Sample ID: 10723702003

Lab File ID: Y250315A_10

Matrix: Solid

Percent Solids: 90.13%

Date Collected: 02/11/2025 11:10

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 18:59

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.4g

Dry Weight Extracted: 12.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091			ND		41.4	5.52	
5	PCB-089			ND		20.7	2.82	
5	PCB-090/101/113			ND		62.1	10.8	
5	PCB-092			ND		20.7	3.11	
5	PCB-093/098/100/102			ND		82.8	7.96	
5	PCB-094			ND		20.7	1.88	
5	PCB-095			ND		58.0	13.2	
5	PCB-096			ND		20.7	3.54	
5	PCB-099			ND		20.7	4.17	
5	PCB-103			ND		20.7	2.70	
5	PCB-104			ND		20.7	2.40	
5	PCB-105			ND		20.7	3.68	
5	PCB-106			ND		20.7	2.17	
5	PCB-107/124			ND		41.4	3.70	
5	PCB-109			ND		20.7	2.86	
5	PCB-110/115			ND		41.4	7.42	
5	PCB-111			ND		20.7	2.21	
5	PCB-112			ND		20.7	2.25	
5	PCB-114			ND		20.7	1.99	
5	PCB-118			ND		32.3	5.31	
5	PCB-120			ND		20.7	2.35	
5	PCB-121			ND		20.7	1.99	
5	PCB-122			ND		20.7	3.25	
5	PCB-123			ND		20.7	2.30	
5	PCB-126			ND		20.7	2.09	
5	PCB-127			ND		20.7	2.33	
6	PCB-128/166			ND		41.4	4.53	
6	PCB-129/138/163			ND		62.1	9.03	
6	PCB-130			ND		20.7	2.48	
6	PCB-131			ND		20.7	2.73	
6	PCB-132			ND		20.7	3.96	
6	PCB-133			ND		20.7	2.62	
6	PCB-134/143			ND		41.4	3.82	
6	PCB-135/151			ND		41.4	7.68	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-9.5-11-250211**

Lab Sample ID: 10723702003

Lab File ID: Y250315A_10

Matrix: Solid

Percent Solids: 90.13%

Date Collected: 02/11/2025 11:10

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 18:59

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.4g

Dry Weight Extracted: 12.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136			ND		20.7	3.96	
6	PCB-137			ND		20.7	2.99	
6	PCB-139/140			ND		41.4	3.66	
6	PCB-141			ND		20.7	3.35	
6	PCB-142			ND		20.7	2.43	
6	PCB-144			ND		20.7	3.35	
6	PCB-145			ND		20.7	2.18	
6	PCB-146			ND		20.7	3.27	
6	PCB-147/149	36.37	1.12	11.6	J	41.4	9.60	
6	PCB-148			ND		20.7	4.54	
6	PCB-150			ND		20.7	2.45	
6	PCB-152			ND		20.7	2.67	
6	PCB-153/168	39.47	1.18	7.34	J	41.4	6.33	
6	PCB-154			ND		20.7	2.75	
6	PCB-155			ND		20.7	2.47	
6	PCB-156/157			ND		41.4	3.54	
6	PCB-158			ND		20.7	1.93	
6	PCB-159			ND		20.7	2.31	
6	PCB-160			ND		20.7	2.36	
6	PCB-161			ND		20.7	1.90	
6	PCB-162			ND		20.7	2.12	
6	PCB-164			ND		20.7	2.47	
6	PCB-165			ND		20.7	1.76	
6	PCB-167			ND		20.7	2.43	
6	PCB-169			ND		20.7	2.68	
7	PCB-170			ND		20.7	4.21	
7	PCB-171/173			ND		41.4	3.91	
7	PCB-172			ND		20.7	2.67	
7	PCB-174	42.96	1.47 *	4.60	JI	20.7	4.40	4.60
7	PCB-175			ND		20.7	2.05	
7	PCB-176			ND		20.7	2.89	
7	PCB-177			ND		20.7	3.58	
7	PCB-178			ND		20.7	2.88	
7	PCB-179			ND		20.7	3.20	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-9.5-11-250211**

Lab Sample ID: 10723702003

Lab File ID: Y250315A_10

Matrix: Solid

Percent Solids: 90.13%

Date Collected: 02/11/2025 11:10

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 18:59

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.4g

Dry Weight Extracted: 12.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.37	0.98	10.8	J	41.4	7.63	
7	PCB-181			ND		20.7	2.38	
7	PCB-182			ND		20.7	2.66	
7	PCB-183/185			ND		41.4	5.14	
7	PCB-184			ND		20.7	2.27	
7	PCB-186			ND		20.7	2.42	
7	PCB-187	42.10	1.05	7.45	J	20.7	4.70	
7	PCB-188			ND		20.7	1.81	
7	PCB-189			ND		20.7	2.76	
7	PCB-190			ND		20.7	2.30	
7	PCB-191			ND		20.7	1.85	
7	PCB-192			ND		20.7	2.34	
8	PCB-194			ND		20.7	2.81	
8	PCB-195			ND		20.7	2.48	
8	PCB-196			ND		20.7	2.33	
8	PCB-197/200			ND		41.4	5.01	
8	PCB-198/199			ND		41.4	3.85	
8	PCB-201			ND		20.7	2.04	
8	PCB-202			ND		20.7	1.45	
8	PCB-203			ND		20.7	2.82	
8	PCB-204			ND		20.7	1.90	
8	PCB-205			ND		20.7	2.31	
9	PCB-206			ND		20.7	2.39	
9	PCB-207			ND		20.7	1.89	
9	PCB-208			ND		20.7	2.01	
10	PCB-209			ND		20.7	3.09	

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary

Method 1668A

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Page 7 of 7

Client Sample ID: **SB-02-9.5-11-250211**

Lab Sample ID: 10723702003

Lab File ID: Y250315A_10

Matrix: Solid

Percent Solids: 90.13%

Date Collected: 02/11/2025 11:10

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 18:59

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.4g

Dry Weight Extracted: 12.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	93.5	JB
Total TrCB	ND	
Total TeCB	ND	
Total PeCB	ND	
Total HxCB	18.9	J
Total HpCB	18.3	J
Total OcCB	ND	
Total NoCB	ND	
DeCB	ND	
Total PCBs	131	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-02-11-12-250211**

Lab Sample ID: 10723702004

Lab File ID: Y250315A_11

Matrix: Solid

Percent Solids: 90.08%

Date Collected: 02/11/2025 11:15

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 20:00

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 10.2g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.61	2.99	2.00	1.10	55	
1	PCB-003L	12.48	3.25	2.00	1.20	60	
2	PCB-004L	12.78	1.55	2.00	1.07	54	N2
2	PCB-015L	19.91	1.58	2.00	1.57	79	N2
3	PCB-019L	16.61	1.09	2.00	1.63	81	
3	PCB-037L	27.62	1.05	2.00	1.31	66	
4	PCB-054L	20.21	0.80	2.00	1.12	56	
4	PCB-077L	35.26	0.80	2.00	1.74	87	
4	PCB-081L	34.67	0.82	2.00	1.71	86	
5	PCB-104L	26.32	1.60	2.00	1.17	58	
5	PCB-105L	38.82	1.59	2.00	1.32	66	
5	PCB-114L	38.17	1.46	2.00	1.38	69	
5	PCB-118L	37.63	1.55	2.00	1.31	66	
5	PCB-123L	37.29	1.61	2.00	1.31	65	
5	PCB-126L	41.96	1.51	2.00	1.47	74	
6	PCB-155L	32.34	1.25	2.00	1.26	63	
6	PCB-156/157L	45.01	1.27	4.00	2.31	58	
6	PCB-167L	43.84	1.25	2.00	1.18	59	
6	PCB-169L	48.28	1.28	2.00	1.26	63	
7	PCB-188L	38.15	1.05	2.00	1.57	78	
7	PCB-189L	50.83	0.99	2.00	1.10	55	
8	PCB-202L	43.59	0.92	2.00	1.51	76	
8	PCB-205L	53.44	0.87	2.00	1.17	59	
9	PCB-206L	55.21	0.82	2.00	1.37	69	
9	PCB-208L	50.36	0.76	2.00	1.40	70	
10	PCB-209L	56.82	0.68	2.00	1.42	71	
Recovery Standards							
2	PCB-009L	15.28	1.51	2.00	1.17	N/A	
4	PCB-052L	25.29	0.75	2.00	1.88	N/A	
5	PCB-101L	32.54	1.52	2.00	2.22	N/A	
6	PCB-138L	40.78	1.25	2.00	2.49	N/A	
8	PCB-194L	52.96	0.88	2.00	2.40	N/A	
Cleanup Standards							
3	PCB-028L	23.30	1.01	2.00	1.10	55	
5	PCB-111L	35.31	1.55	2.00	1.43	72	
7	PCB-178L	41.24	1.02	2.00	1.61	80	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-11-12-250211**

Lab Sample ID: 10723702004

Lab File ID: Y250315A_11

Matrix: Solid

Percent Solids: 90.08%

Date Collected: 02/11/2025 11:15

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 20:00

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 10.2g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001	9.64	3.58	31.2	A	24.4	5.75	
1	PCB-002			ND	A	24.4	6.37	
1	PCB-003	12.50	2.98	8.72	JA	24.4	6.38	
2	PCB-004			ND	AN2	24.4	21.1	
2	PCB-005			ND	AN2	24.4	7.78	
2	PCB-006			ND	AN2	24.4	6.36	
2	PCB-007			ND	AN2	24.4	6.11	
2	PCB-008	16.30	1.51	8.87	JN2	24.4	6.69	
2	PCB-009			ND	AN2	24.4	7.05	
2	PCB-010			ND	AN2	24.4	8.15	
2	PCB-011	19.23	1.55	173	BJN2	239	89.3	
2	PCB-012/013			ND	AN2	48.8	7.34	
2	PCB-014			ND	AN2	24.4	6.71	
2	PCB-015			ND	AN2	32.2	6.92	
3	PCB-016	19.83	1.17	7.19	J	24.4	6.94	
3	PCB-017			ND		24.4	7.78	
3	PCB-018/030			ND		48.8	17.5	
3	PCB-019			ND		24.4	2.71	
3	PCB-020/028	23.32	1.14	26.5	J	126	26.2	
3	PCB-021/033			ND		132	14.4	
3	PCB-022			ND		92.8	12.2	
3	PCB-023			ND		24.4	2.72	
3	PCB-024			ND		24.4	3.84	
3	PCB-025			ND		24.4	3.40	
3	PCB-026/029			ND		48.8	6.23	
3	PCB-027			ND		24.4	4.71	
3	PCB-031			ND		127	22.2	
3	PCB-032			ND		24.4	7.60	
3	PCB-034			ND		24.4	2.99	
3	PCB-035			ND		24.4	3.61	
3	PCB-036			ND		24.4	2.69	
3	PCB-037	27.64	1.19	7.35	J	51.7	5.79	
3	PCB-038			ND	A	24.4	2.53	
3	PCB-039			ND		24.4	3.02	

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **SB-02-11-12-250211**

Lab Sample ID: 10723702004

Lab File ID: Y250315A_11

Matrix: Solid

Percent Solids: 90.08%

Date Collected: 02/11/2025 11:15

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 20:00

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 10.2g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

Ccal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071	27.44	0.89	14.3	J	73.2	13.6	
4	PCB-042	26.94	0.84	6.44	J	24.4	5.41	
4	PCB-043/073			ND		48.8	11.0	
4	PCB-044/047/065	26.38	0.82	31.2	J	73.2	20.5	
4	PCB-045/051			ND		48.8	10.2	
4	PCB-046			ND		24.4	3.40	
4	PCB-048	26.15	0.84	5.15	J	24.4	4.14	
4	PCB-069/049	25.85	0.84	14.5	J	48.8	10.8	
4	PCB-050/053			ND		48.8	8.19	
4	PCB-052	25.31	0.81	50.8	J	126	22.6	
4	PCB-054			ND		24.4	2.40	
4	PCB-055			ND		24.4	3.28	
4	PCB-056	31.49	0.80	10.6	J	24.4	5.53	
4	PCB-057			ND		24.4	2.49	
4	PCB-058			ND		24.4	2.13	
4	PCB-059/062/075			ND		73.2	5.74	
4	PCB-060	31.74	1.02 *	6.03	JI	24.4	5.62	6.03
4	PCB-061/070/074/076	30.41	0.75	50.6	J	97.6	16.8	
4	PCB-063			ND		24.4	2.62	
4	PCB-064	27.71	0.76	11.2	J	24.4	5.82	
4	PCB-066	30.77	0.72	20.1	J	57.6	14.3	
4	PCB-067			ND		24.4	2.38	
4	PCB-068			ND		24.4	2.67	
4	PCB-072			ND		24.4	2.27	
4	PCB-077			ND		24.4	3.11	
4	PCB-078			ND		24.4	2.86	
4	PCB-079			ND		24.4	2.89	
4	PCB-080			ND	A	24.4	1.78	
4	PCB-081			ND		24.4	2.31	
5	PCB-082			ND		24.4	7.22	
5	PCB-083	33.03	1.02 *	3.20	JI	24.4	2.94	3.20
5	PCB-084	30.62	1.62	17.8	J	24.4	4.40	
5	PCB-085/116/117	34.40	1.49	9.04	J	73.2	7.25	
5	PCB-086/087/097/108/119/12	33.73	1.60	53.0	J	146	13.3	

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Sample Analysis Summary

Method 1668A

Page 4 of 7

Client Sample ID: **SB-02-11-12-250211**

Lab Sample ID: 10723702004

Lab File ID: Y250315A_11

Matrix: Solid

Percent Solids: 90.08%

Date Collected: 02/11/2025 11:15

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 20:00

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 10.2g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091	30.40	1.98 *	6.69	Jl	48.8	6.51	6.69
5	PCB-089			ND		24.4	3.32	
5	PCB-090/101/113	32.58	1.51	209		73.2	12.8	
5	PCB-092	32.02	1.57	22.4	J	24.4	3.67	
5	PCB-093/098/100/102			ND		97.6	9.38	
5	PCB-094			ND		24.4	2.22	
5	PCB-095	29.47	1.58	158		68.3	15.6	
5	PCB-096			ND		24.4	4.17	
5	PCB-099	33.16	1.42	23.3	J	24.4	4.92	
5	PCB-103			ND		24.4	3.18	
5	PCB-104			ND		24.4	2.83	
5	PCB-105	38.84	1.78	19.3	J	24.4	4.34	
5	PCB-106			ND		24.4	2.56	
5	PCB-107/124			ND		48.8	4.36	
5	PCB-109	37.19	1.34	3.52	J	24.4	3.38	
5	PCB-110/115	34.57	1.52	124		48.8	8.75	
5	PCB-111			ND		24.4	2.61	
5	PCB-112			ND		24.4	2.66	
5	PCB-114			ND		24.4	2.34	
5	PCB-118	37.65	1.53	63.2		38.1	6.26	
5	PCB-120			ND		24.4	2.77	
5	PCB-121			ND		24.4	2.34	
5	PCB-122			ND		24.4	3.84	
5	PCB-123			ND		24.4	2.71	
5	PCB-126			ND		24.4	2.46	
5	PCB-127			ND		24.4	2.74	
6	PCB-128/166	42.09	1.13	32.5	J	48.8	5.34	
6	PCB-129/138/163	40.82	1.24	562		73.2	10.6	
6	PCB-130	40.15	1.02 *	14.7	JIA	24.4	3.15	14.7
6	PCB-131			ND		24.4	3.22	
6	PCB-132	37.75	1.24	166		24.4	4.67	
6	PCB-133	38.27	1.25	4.89	J	24.4	3.09	
6	PCB-134/143	36.67	1.15	23.8	J	48.8	4.50	
6	PCB-135/151	35.55	1.24	291		48.8	9.05	

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Sample Analysis Summary

Method 1668A

Page 5 of 7

Client Sample ID: **SB-02-11-12-250211**

Lab Sample ID: 10723702004

Lab File ID: Y250315A_11

Matrix: Solid

Percent Solids: 90.08%

Date Collected: 02/11/2025 11:15

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 20:00

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 10.2g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

Ccal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	33.06	1.28	95.4		24.4	4.67	
6	PCB-137	40.36	1.16	3.69	J	24.4	3.52	
6	PCB-139/140			ND		48.8	4.32	
6	PCB-141	39.74	1.26	169		24.4	3.95	
6	PCB-142			ND	A	24.4	3.10	
6	PCB-144	36.12	1.17	41.3		24.4	3.94	
6	PCB-145			ND		24.4	2.57	
6	PCB-146	38.92	1.24	73.3		24.4	3.86	
6	PCB-147/149	36.47	1.22	555		48.8	11.3	
6	PCB-148			ND		24.4	5.35	
6	PCB-150			ND		24.4	2.89	
6	PCB-152			ND		24.4	3.14	
6	PCB-153/168	39.54	1.23	637		48.8	7.46	
6	PCB-154			ND		24.4	3.24	
6	PCB-155			ND		24.4	2.91	
6	PCB-156/157	45.00	1.19	30.9	J	48.8	4.17	
6	PCB-158	41.22	1.16	47.7		24.4	2.27	
6	PCB-159	43.07	1.19	10.8	J	24.4	2.72	
6	PCB-160			ND		24.4	2.78	
6	PCB-161			ND		24.4	2.24	
6	PCB-162			ND		24.4	2.50	
6	PCB-164	40.50	1.16	37.6		24.4	2.91	
6	PCB-165	38.52	0.83 *	2.62	JIA	24.4	2.29	2.62
6	PCB-167	43.86	1.14	12.2	J	24.4	2.87	
6	PCB-169			ND		24.4	3.16	
7	PCB-170	47.70	1.06	261		24.4	4.97	
7	PCB-171/173	44.14	1.05	89.0		48.8	4.61	
7	PCB-172	45.77	1.05	53.4		24.4	3.15	
7	PCB-174	43.03	1.01	331		24.4	5.19	
7	PCB-175	41.91	0.96	14.8	J	24.4	2.42	
7	PCB-176	39.41	0.98	47.6		24.4	3.41	
7	PCB-177	43.49	1.01	186		24.4	4.22	
7	PCB-178	41.27	1.04	68.0		24.4	3.40	
7	PCB-179	38.50	1.03	152		24.4	3.78	

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Sample Analysis Summary

Method 1668A

Page 6 of 7

Client Sample ID: **SB-02-11-12-250211**

Lab Sample ID: 10723702004

Lab File ID: Y250315A_11

Matrix: Solid

Percent Solids: 90.08%

Date Collected: 02/11/2025 11:15

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 20:00

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 10.2g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.42	1.03	719		48.8	8.99	
7	PCB-181			ND		24.4	2.81	
7	PCB-182			ND		24.4	3.13	
7	PCB-183/185	42.82	1.03	240		48.8	6.06	
7	PCB-184			ND		24.4	2.68	
7	PCB-186			ND		24.4	2.85	
7	PCB-187	42.19	1.01	391		24.4	5.55	
7	PCB-188			ND		24.4	2.14	
7	PCB-189	50.85	0.98	9.80	J	24.4	3.25	
7	PCB-190	48.25	1.04	56.8		24.4	2.71	
7	PCB-191	46.79	1.32 *	10.4	JI	24.4	2.18	10.4
7	PCB-192			ND		24.4	2.76	
8	PCB-194	52.99	0.91	156		24.4	3.31	
8	PCB-195	50.62	0.90	62.3		24.4	2.93	
8	PCB-196	49.07	0.90	95.3		24.4	2.75	
8	PCB-197/200	45.57	0.83	33.2	J	48.8	5.91	
8	PCB-198/199	48.42	0.87	193		48.8	4.54	
8	PCB-201	44.56	0.89	25.3		24.4	2.40	
8	PCB-202	43.62	0.86	32.9		24.4	1.71	
8	PCB-203	49.29	0.87	115		24.4	3.33	
8	PCB-204			ND		24.4	2.24	
8	PCB-205	53.46	0.91	8.75	J	24.4	2.72	
9	PCB-206	55.23	0.76	54.1		24.4	2.82	
9	PCB-207	51.33	0.59 *	6.90	JI	24.4	2.23	6.90
9	PCB-208	50.38	0.68	12.0	J	24.4	2.37	
10	PCB-209	56.84	0.68	8.38	J	24.4	3.64	

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary

Method 1668A

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Client Sample ID: **SB-02-11-12-250211**

Lab Sample ID: 10723702004

Lab File ID: Y250315A_11

Matrix: Solid

Percent Solids: 90.08%

Date Collected: 02/11/2025 11:15

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 20:00

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 10.2g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

Homologue	Concentration (ng/Kg)	Q
Total MoCB	39.9	J
Total DiCB	182	JB
Total TrCB	41.1	J
Total TeCB	215	J
Total PeCB	702	J
Total HxCB	2790	J
Total HpCB	2620	J
Total OcCB	721	J
Total NoCB	66.1	J
DeCB	8.38	J
Total PCBs	7390	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-02-17-27-250211**

Lab Sample ID: 10723702005

Lab File ID: Y250315A_12

Matrix: Solid

Percent Solids: 88.21%

Date Collected: 02/11/2025 11:20

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 21:00

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.0g

Dry Weight Extracted: 9.69g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.54	2.94	2.00	0.886	44	
1	PCB-003L	12.37	2.82	2.00	1.09	55	
2	PCB-004L	12.68	1.58	2.00	1.25	62	
2	PCB-015L	19.72	1.58	2.00	1.22	61	
3	PCB-019L	16.50	1.06	2.00	1.37	68	
3	PCB-037L	27.46	1.08	2.00	1.01	50	
4	PCB-054L	20.06	0.81	2.00	0.998	50	
4	PCB-077L	35.17	0.77	2.00	1.23	61	
4	PCB-081L	34.57	0.78	2.00	1.19	60	
5	PCB-104L	26.15	1.61	2.00	1.12	56	
5	PCB-105L	38.73	1.46	2.00	1.05	52	
5	PCB-114L	38.08	1.51	2.00	0.991	50	
5	PCB-118L	37.54	1.59	2.00	0.986	49	
5	PCB-123L	37.21	1.53	2.00	0.988	49	
5	PCB-126L	41.89	1.52	2.00	1.10	55	
6	PCB-155L	32.19	1.29	2.00	1.23	62	
6	PCB-156/157L	44.94	1.23	4.00	2.02	51	
6	PCB-167L	43.79	1.25	2.00	0.987	49	
6	PCB-169L	48.23	1.26	2.00	1.10	55	
7	PCB-188L	38.08	1.03	2.00	1.35	68	
7	PCB-189L	50.78	1.07	2.00	0.991	50	
8	PCB-202L	43.53	0.88	2.00	1.28	64	
8	PCB-205L	53.39	0.91	2.00	1.10	55	
9	PCB-206L	55.16	0.78	2.00	1.29	64	
9	PCB-208L	50.31	0.77	2.00	1.25	63	
10	PCB-209L	56.77	0.68	2.00	1.43	72	
Recovery Standards							
2	PCB-009L	15.19	1.58	2.00	1.83	N/A	
4	PCB-052L	25.13	0.78	2.00	2.47	N/A	
5	PCB-101L	32.39	1.61	2.00	2.74	N/A	
6	PCB-138L	40.71	1.30	2.00	2.73	N/A	
8	PCB-194L	52.92	0.91	2.00	2.74	N/A	
Cleanup Standards							
3	PCB-028L	23.13	1.00	2.00	0.942	47	
5	PCB-111L	35.24	1.55	2.00	1.14	57	
7	PCB-178L	41.18	1.00	2.00	1.46	73	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-02-17-27-250211**

Lab Sample ID: 10723702005

Lab File ID: Y250315A_12

Matrix: Solid

Percent Solids: 88.21%

Date Collected: 02/11/2025 11:20

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 21:00

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.0g

Dry Weight Extracted: 9.69g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND		25.8	3.70	
1	PCB-002			ND		25.8	3.88	
1	PCB-003			ND		25.8	3.89	
2	PCB-004			ND	A	25.8	9.40	
2	PCB-005			ND	A	25.8	6.35	
2	PCB-006			ND	A	25.8	5.81	
2	PCB-007			ND	A	25.8	5.73	
2	PCB-008			ND		25.8	7.07	
2	PCB-009			ND	A	25.8	6.03	
2	PCB-010			ND	A	25.8	6.29	
2	PCB-011	19.04	1.37	95.6	BJ	253	94.5	
2	PCB-012/013			ND		51.6	7.24	
2	PCB-014			ND	A	25.8	5.83	
2	PCB-015	19.75	1.33	17.1	J	34.1	6.73	
3	PCB-016	19.69	0.95	13.6	J	25.8	7.34	
3	PCB-017	19.18	1.05	10.8	J	25.8	8.23	
3	PCB-018/030	18.69	1.03	24.8	J	51.6	18.5	
3	PCB-019	16.51	1.20	4.43	J	25.8	2.87	
3	PCB-020/028	23.15	0.96	29.5	J	133	27.7	
3	PCB-021/033			ND		139	15.2	
3	PCB-022			ND		98.1	12.9	
3	PCB-023			ND		25.8	2.88	
3	PCB-024			ND		25.8	4.06	
3	PCB-025			ND		25.8	3.59	
3	PCB-026/029			ND		51.6	6.59	
3	PCB-027			ND		25.8	4.98	
3	PCB-031			ND		134	23.4	
3	PCB-032	20.28	1.04	10.9	J	25.8	8.03	
3	PCB-034			ND		25.8	3.16	
3	PCB-035			ND		25.8	3.82	
3	PCB-036			ND		25.8	2.85	
3	PCB-037	27.47	1.09	8.63	J	54.7	6.12	
3	PCB-038			ND		25.8	2.44	
3	PCB-039			ND		25.8	3.19	

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **SB-02-17-27-250211**

Lab Sample ID: 10723702005

Lab File ID: Y250315A_12

Matrix: Solid

Percent Solids: 88.21%

Date Collected: 02/11/2025 11:20

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 21:00

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.0g

Dry Weight Extracted: 9.69g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071	27.31	0.77	17.0	J	77.4	14.4	
4	PCB-042	26.79	0.72	8.07	J	25.8	5.72	
4	PCB-043/073			ND		51.6	11.7	
4	PCB-044/047/065	26.23	0.68	29.2	J	77.4	21.7	
4	PCB-045/051			ND		51.6	10.7	
4	PCB-046			ND		25.8	3.59	
4	PCB-048	26.00	1.00 *	5.88	JI	25.8	4.38	5.88
4	PCB-069/049	25.68	0.84	17.0	J	51.6	11.5	
4	PCB-050/053			ND		51.6	8.66	
4	PCB-052	25.14	0.74	38.3	J	133	23.8	
4	PCB-054			ND		25.8	2.54	
4	PCB-055			ND		25.8	3.47	
4	PCB-056	31.30	0.66	10.1	J	25.8	5.84	
4	PCB-057			ND		25.8	2.63	
4	PCB-058			ND		25.8	2.25	
4	PCB-059/062/075			ND		77.4	6.07	
4	PCB-060	31.52	0.74	6.65	J	25.8	5.95	
4	PCB-061/070/074/076	30.26	0.78	33.8	J	103	17.8	
4	PCB-063			ND		25.8	2.77	
4	PCB-064	27.56	0.77	12.1	J	25.8	6.15	
4	PCB-066	30.60	0.69	18.3	J	60.9	15.1	
4	PCB-067			ND		25.8	2.52	
4	PCB-068			ND		25.8	2.82	
4	PCB-072			ND		25.8	2.41	
4	PCB-077			ND		25.8	3.29	
4	PCB-078			ND		25.8	3.02	
4	PCB-079			ND		25.8	3.06	
4	PCB-080			ND		25.8	1.86	
4	PCB-081			ND		25.8	2.45	
5	PCB-082			ND		25.8	7.63	
5	PCB-083			ND		25.8	3.11	
5	PCB-084	30.46	1.72	9.55	J	25.8	4.66	
5	PCB-085/116/117			ND		77.4	7.67	
5	PCB-086/087/097/108/119/12	33.63	1.59	24.3	J	155	14.0	

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Sample Analysis Summary

Method 1668A

Page 4 of 7

Client Sample ID: **SB-02-17-27-250211**

Lab Sample ID: 10723702005

Lab File ID: Y250315A_12

Matrix: Solid

Percent Solids: 88.21%

Date Collected: 02/11/2025 11:20

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 21:00

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.0g

Dry Weight Extracted: 9.69g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091			ND		51.6	6.89	
5	PCB-089			ND		25.8	3.51	
5	PCB-090/101/113	32.42	1.56	107		77.4	13.5	
5	PCB-092	31.80	1.33	13.6	J	25.8	3.88	
5	PCB-093/098/100/102			ND		103	9.92	
5	PCB-094			ND		25.8	2.34	
5	PCB-095	29.32	1.54	92.9		72.3	16.5	
5	PCB-096			ND		25.8	4.41	
5	PCB-099	33.06	1.53	11.4	J	25.8	5.20	
5	PCB-103			ND		25.8	3.37	
5	PCB-104			ND		25.8	2.99	
5	PCB-105	38.75	1.28 *	7.28	JI	25.8	4.58	7.28
5	PCB-106			ND		25.8	2.70	
5	PCB-107/124			ND		51.6	4.61	
5	PCB-109			ND		25.8	3.57	
5	PCB-110/115	34.47	1.44	57.8		51.6	9.25	
5	PCB-111			ND		25.8	2.76	
5	PCB-112			ND		25.8	2.81	
5	PCB-114			ND		25.8	2.48	
5	PCB-118	37.56	1.44	28.5	J	40.3	6.62	
5	PCB-120			ND		25.8	2.93	
5	PCB-121			ND		25.8	2.48	
5	PCB-122			ND		25.8	4.06	
5	PCB-123			ND		25.8	2.87	
5	PCB-126			ND		25.8	2.60	
5	PCB-127			ND		25.8	2.90	
6	PCB-128/166	42.02	1.16	16.9	J	51.6	5.65	
6	PCB-129/138/163	40.75	1.29	280		77.4	11.3	
6	PCB-130	40.08	1.05	9.04	J	25.8	3.10	
6	PCB-131			ND		25.8	3.41	
6	PCB-132	37.66	1.15	84.3		25.8	4.93	
6	PCB-133			ND		25.8	3.26	
6	PCB-134/143	36.60	1.17	12.3	J	51.6	4.76	
6	PCB-135/151	35.46	1.30	163		51.6	9.57	

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Sample Analysis Summary

Method 1668A

Page 5 of 7

Client Sample ID: **SB-02-17-27-250211**

Lab Sample ID: 10723702005

Lab File ID: Y250315A_12

Matrix: Solid

Percent Solids: 88.21%

Date Collected: 02/11/2025 11:20

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 21:00

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.0g

Dry Weight Extracted: 9.69g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	32.94	1.23	56.6		25.8	4.93	
6	PCB-137			ND		25.8	3.73	
6	PCB-139/140			ND		51.6	4.56	
6	PCB-141	39.67	1.24	82.9		25.8	4.18	
6	PCB-142			ND		25.8	3.02	
6	PCB-144	36.03	1.23	23.2	J	25.8	4.17	
6	PCB-145			ND		25.8	2.72	
6	PCB-146	38.85	1.19	38.6		25.8	4.08	
6	PCB-147/149	36.39	1.21	292		51.6	12.0	
6	PCB-148			ND		25.8	5.66	
6	PCB-150			ND		25.8	3.06	
6	PCB-152			ND		25.8	3.32	
6	PCB-153/168	39.47	1.21	312		51.6	7.89	
6	PCB-154			ND		25.8	3.43	
6	PCB-155			ND		25.8	3.08	
6	PCB-156/157	44.94	1.25	15.6	J	51.6	4.41	
6	PCB-158	41.15	1.34	22.0	J	25.8	2.41	
6	PCB-159	43.01	1.17	4.53	J	25.8	2.88	
6	PCB-160			ND		25.8	2.94	
6	PCB-161			ND		25.8	2.36	
6	PCB-162			ND		25.8	2.64	
6	PCB-164	40.43	1.21	20.4	J	25.8	3.08	
6	PCB-165			ND		25.8	2.19	
6	PCB-167	43.80	1.40	6.92	J	25.8	3.04	
6	PCB-169			ND		25.8	3.35	
7	PCB-170	47.64	1.07	141		25.8	5.26	
7	PCB-171/173	44.07	0.93	47.8	J	51.6	4.87	
7	PCB-172	45.71	1.11	27.0		25.8	3.33	
7	PCB-174	42.98	0.97	168		25.8	5.49	
7	PCB-175	41.85	0.90	7.59	J	25.8	2.56	
7	PCB-176	39.34	1.10	25.0	J	25.8	3.60	
7	PCB-177	43.43	1.06	103		25.8	4.46	
7	PCB-178	41.20	1.01	36.0		25.8	3.59	
7	PCB-179	38.43	1.05	79.0		25.8	4.00	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-17-27-250211**

Lab Sample ID: 10723702005

Lab File ID: Y250315A_12

Matrix: Solid

Percent Solids: 88.21%

Date Collected: 02/11/2025 11:20

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 21:00

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.0g

Dry Weight Extracted: 9.69g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.37	1.03	386		51.6	9.51	
7	PCB-181			ND		25.8	2.97	
7	PCB-182			ND		25.8	3.31	
7	PCB-183/185	42.76	1.11	126		51.6	6.41	
7	PCB-184			ND		25.8	2.83	
7	PCB-186			ND		25.8	3.01	
7	PCB-187	42.12	1.04	210		25.8	5.86	
7	PCB-188			ND		25.8	2.26	
7	PCB-189	50.80	1.11	4.07	J	25.8	3.44	
7	PCB-190	48.20	1.07	31.3		25.8	2.87	
7	PCB-191	46.74	0.95	6.49	J	25.8	2.30	
7	PCB-192			ND		25.8	2.92	
8	PCB-194	52.94	0.92	81.3		25.8	3.50	
8	PCB-195	50.57	1.00	35.6		25.8	3.10	
8	PCB-196	49.03	0.98	46.6		25.8	2.91	
8	PCB-197/200	45.51	0.82	16.0	J	51.6	6.25	
8	PCB-198/199	48.36	0.90	91.2		51.6	4.80	
8	PCB-201	44.51	0.79	11.6	J	25.8	2.54	
8	PCB-202	43.57	0.88	16.1	J	25.8	1.81	
8	PCB-203	49.23	0.88	57.7		25.8	3.52	
8	PCB-204			ND		25.8	2.36	
8	PCB-205			ND		25.8	2.88	
9	PCB-206	55.18	0.75	21.8	J	25.8	2.98	
9	PCB-207	51.26	0.63 *	3.66	JI	25.8	2.35	3.66
9	PCB-208	50.33	0.89	3.88	J	25.8	2.51	
10	PCB-209			ND		25.8	3.85	

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CB Congener Totals Summary

Method 1668A

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Page 7 of 7

Client Sample ID: **SB-02-17-27-250211**

Lab Sample ID: 10723702005

Lab File ID: Y250315A_12

Matrix: Solid

Percent Solids: 88.21%

Date Collected: 02/11/2025 11:20

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 21:00

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.0g

Dry Weight Extracted: 9.69g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	113	JB
Total TrCB	103	J
Total TeCB	190	J
Total PeCB	345	J
Total HxCB	1440	J
Total HpCB	1400	J
Total OcCB	356	J
Total NoCB	25.7	J
DeCB	ND	
Total PCBs	3970	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-02-29-31-250211**

Lab Sample ID: 10723702006

Lab File ID: Y250315A_13

Matrix: Solid

Percent Solids: 65.81%

Date Collected: 02/11/2025 11:25

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 22:01

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.0g

Dry Weight Extracted: 8.56g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.54	2.75	2.00	1.13	57	
1	PCB-003L	12.36	2.77	2.00	1.26	63	
2	PCB-004L	12.67	1.52	2.00	1.39	69	
2	PCB-015L	19.72	1.59	2.00	1.36	68	
3	PCB-019L	16.48	0.99	2.00	1.49	75	
3	PCB-037L	27.46	1.06	2.00	1.15	58	
4	PCB-054L	20.06	0.77	2.00	1.13	57	
4	PCB-077L	35.19	0.83	2.00	1.36	68	
4	PCB-081L	34.56	0.79	2.00	1.37	68	
5	PCB-104L	26.15	1.62	2.00	1.25	62	
5	PCB-105L	38.74	1.60	2.00	1.14	57	
5	PCB-114L	38.08	1.51	2.00	1.24	62	
5	PCB-118L	37.55	1.54	2.00	1.17	58	
5	PCB-123L	37.21	1.59	2.00	1.17	58	
5	PCB-126L	41.87	1.60	2.00	1.31	65	
6	PCB-155L	32.19	1.25	2.00	1.33	67	
6	PCB-156/157L	44.95	1.29	4.00	2.24	56	
6	PCB-167L	43.77	1.30	2.00	1.13	56	
6	PCB-169L	48.22	1.28	2.00	1.24	62	
7	PCB-188L	38.08	1.06	2.00	1.48	74	
7	PCB-189L	50.79	1.09	2.00	1.12	56	
8	PCB-202L	43.54	0.88	2.00	1.40	70	
8	PCB-205L	53.39	0.89	2.00	1.20	60	
9	PCB-206L	55.16	0.76	2.00	1.43	72	
9	PCB-208L	50.31	0.78	2.00	1.43	72	
10	PCB-209L	56.78	0.72	2.00	1.60	80	
Recovery Standards							
2	PCB-009L	15.16	1.55	2.00	1.57	N/A	
4	PCB-052L	25.11	0.77	2.00	2.16	N/A	
5	PCB-101L	32.39	1.61	2.00	2.29	N/A	
6	PCB-138L	40.72	1.28	2.00	2.40	N/A	
8	PCB-194L	52.92	0.91	2.00	2.44	N/A	
Cleanup Standards							
3	PCB-028L	23.13	1.04	2.00	1.05	53	
5	PCB-111L	35.24	1.57	2.00	1.35	67	
7	PCB-178L	41.17	1.07	2.00	1.66	83	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-02-29-31-250211**

Lab Sample ID: 10723702006

Lab File ID: Y250315A_13

Matrix: Solid

Percent Solids: 65.81%

Date Collected: 02/11/2025 11:25

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 22:01

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.0g

Dry Weight Extracted: 8.56g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND		29.2	4.18	
1	PCB-002			ND		29.2	4.39	
1	PCB-003			ND		29.2	4.41	
2	PCB-004			ND	A	29.2	12.0	
2	PCB-005			ND	A	29.2	6.44	
2	PCB-006			ND	A	29.2	5.89	
2	PCB-007			ND	A	29.2	5.81	
2	PCB-008			ND		29.2	8.01	
2	PCB-009			ND	A	29.2	6.05	
2	PCB-010			ND	A	29.2	7.49	
2	PCB-011	19.04	1.41	133	BJ	286	107	
2	PCB-012/013			ND		58.4	8.19	
2	PCB-014			ND	A	29.2	5.91	
2	PCB-015			ND		38.6	7.62	
3	PCB-016			ND		29.2	8.31	
3	PCB-017			ND		29.2	9.32	
3	PCB-018/030			ND		58.4	20.9	
3	PCB-019			ND		29.2	3.25	
3	PCB-020/028			ND		151	31.3	
3	PCB-021/033			ND		158	17.2	
3	PCB-022			ND		111	14.6	
3	PCB-023			ND		29.2	3.26	
3	PCB-024			ND		29.2	4.59	
3	PCB-025			ND		29.2	4.07	
3	PCB-026/029			ND		58.4	7.46	
3	PCB-027			ND		29.2	5.63	
3	PCB-031			ND		152	26.5	
3	PCB-032			ND		29.2	9.09	
3	PCB-034			ND		29.2	3.58	
3	PCB-035			ND		29.2	4.32	
3	PCB-036			ND		29.2	3.23	
3	PCB-037			ND		61.9	6.93	
3	PCB-038			ND		29.2	2.76	
3	PCB-039			ND		29.2	3.61	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-29-31-250211**

Lab Sample ID: 10723702006

Lab File ID: Y250315A_13

Matrix: Solid

Percent Solids: 65.81%

Date Collected: 02/11/2025 11:25

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 22:01

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.0g

Dry Weight Extracted: 8.56g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071			ND		87.7	16.2	
4	PCB-042			ND		29.2	6.48	
4	PCB-043/073			ND		58.4	13.2	
4	PCB-044/047/065			ND		87.7	24.5	
4	PCB-045/051			ND		58.4	12.2	
4	PCB-046			ND		29.2	4.07	
4	PCB-048			ND		29.2	4.96	
4	PCB-069/049			ND		58.4	13.0	
4	PCB-050/053			ND		58.4	9.81	
4	PCB-052	25.14	0.72	38.3	J	151	27.0	
4	PCB-054			ND		29.2	2.88	
4	PCB-055			ND		29.2	3.93	
4	PCB-056			ND		29.2	6.62	
4	PCB-057			ND		29.2	2.98	
4	PCB-058			ND		29.2	2.55	
4	PCB-059/062/075			ND		87.7	6.87	
4	PCB-060			ND		29.2	6.73	
4	PCB-061/070/074/076	30.26	0.80	26.1	J	117	20.1	
4	PCB-063			ND		29.2	3.13	
4	PCB-064			ND		29.2	6.97	
4	PCB-066			ND		69.0	17.1	
4	PCB-067			ND		29.2	2.85	
4	PCB-068			ND		29.2	3.19	
4	PCB-072			ND		29.2	2.72	
4	PCB-077			ND		29.2	3.73	
4	PCB-078			ND		29.2	3.42	
4	PCB-079			ND		29.2	3.46	
4	PCB-080			ND		29.2	2.10	
4	PCB-081			ND		29.2	2.77	
5	PCB-082			ND		29.2	8.64	
5	PCB-083	32.91	1.56	3.80	J	29.2	3.52	
5	PCB-084	30.48	1.63	11.6	J	29.2	5.27	
5	PCB-085/116/117			ND		87.7	8.68	
5	PCB-086/087/097/108/119/12	33.63	1.57	39.2	J	175	15.9	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-29-31-250211**

Lab Sample ID: 10723702006

Lab File ID: Y250315A_13

Matrix: Solid

Percent Solids: 65.81%

Date Collected: 02/11/2025 11:25

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 22:01

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.0g

Dry Weight Extracted: 8.56g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091			ND		58.4	7.80	
5	PCB-089			ND		29.2	3.97	
5	PCB-090/101/113	32.43	1.53	241		87.7	15.3	
5	PCB-092	31.82	1.49	28.7	J	29.2	4.39	
5	PCB-093/098/100/102			ND		117	11.2	
5	PCB-094			ND		29.2	2.65	
5	PCB-095	29.34	1.55	188		81.8	18.7	
5	PCB-096			ND		29.2	4.99	
5	PCB-099	33.06	1.66	15.4	J	29.2	5.89	
5	PCB-103			ND		29.2	3.81	
5	PCB-104			ND		29.2	3.39	
5	PCB-105	38.77	1.68	13.1	J	29.2	5.19	
5	PCB-106			ND		29.2	3.06	
5	PCB-107/124			ND		58.4	5.22	
5	PCB-109			ND		29.2	4.04	
5	PCB-110/115	34.47	1.50	112		58.4	10.5	
5	PCB-111			ND		29.2	3.12	
5	PCB-112			ND		29.2	3.18	
5	PCB-114			ND		29.2	2.81	
5	PCB-118	37.56	1.52	50.1		45.6	7.49	
5	PCB-120			ND		29.2	3.32	
5	PCB-121			ND		29.2	2.81	
5	PCB-122			ND		29.2	4.59	
5	PCB-123			ND		29.2	3.25	
5	PCB-126			ND		29.2	2.95	
5	PCB-127			ND		29.2	3.28	
6	PCB-128/166	42.02	1.17	34.3	J	58.4	6.39	
6	PCB-129/138/163	40.75	1.21	672		87.7	12.7	
6	PCB-130	40.08	1.29	19.1	J	29.2	3.51	
6	PCB-131			ND		29.2	3.86	
6	PCB-132	37.66	1.17	196		29.2	5.59	
6	PCB-133	38.18	1.05	6.02	J	29.2	3.69	
6	PCB-134/143	36.59	1.15	25.5	J	58.4	5.39	
6	PCB-135/151	35.48	1.29	368		58.4	10.8	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-29-31-250211**

Lab Sample ID: 10723702006

Lab File ID: Y250315A_13

Matrix: Solid

Percent Solids: 65.81%

Date Collected: 02/11/2025 11:25

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/15/2025 22:01

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.0g

Dry Weight Extracted: 8.56g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	32.95	1.21	125		29.2	5.59	
6	PCB-137			ND		29.2	4.22	
6	PCB-139/140			ND		58.4	5.17	
6	PCB-141	39.68	1.25	210		29.2	4.73	
6	PCB-142			ND		29.2	3.42	
6	PCB-144	36.03	1.18	49.9		29.2	4.72	
6	PCB-145			ND		29.2	3.07	
6	PCB-146	38.84	1.27	89.0		29.2	4.62	
6	PCB-147/149	36.39	1.21	682		58.4	13.6	
6	PCB-148			ND		29.2	6.41	
6	PCB-150			ND		29.2	3.46	
6	PCB-152			ND		29.2	3.76	
6	PCB-153/168	39.47	1.24	789		58.4	8.93	
6	PCB-154			ND		29.2	3.88	
6	PCB-155			ND		29.2	3.48	
6	PCB-156/157	44.95	1.13	36.3	J	58.4	4.99	
6	PCB-158	41.15	1.15	52.5		29.2	2.72	
6	PCB-159	43.02	1.40	7.73	J	29.2	3.26	
6	PCB-160			ND		29.2	3.33	
6	PCB-161			ND		29.2	2.68	
6	PCB-162			ND		29.2	2.99	
6	PCB-164	40.41	1.31	46.9		29.2	3.48	
6	PCB-165	38.45	1.17	3.31	J	29.2	2.48	
6	PCB-167	43.81	1.43	12.6	J	29.2	3.44	
6	PCB-169			ND		29.2	3.79	
7	PCB-170	47.65	1.08	335		29.2	5.95	
7	PCB-171/173	44.07	1.08	112		58.4	5.52	
7	PCB-172	45.72	1.06	62.0		29.2	3.78	
7	PCB-174	42.98	1.02	393		29.2	6.22	
7	PCB-175	41.86	0.89	15.2	J	29.2	2.90	
7	PCB-176	39.34	1.02	57.1		29.2	4.08	
7	PCB-177	43.42	1.05	232		29.2	5.05	
7	PCB-178	41.20	1.02	81.8		29.2	4.07	
7	PCB-179	38.43	1.03	180		29.2	4.52	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-29-31-250211**

Lab Sample ID: 10723702006

Lab File ID: Y250315A_13

Matrix: Solid

Percent Solids: 65.81%

Date Collected: 02/11/2025 11:25

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Date Analyzed: 03/15/2025 22:01

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.0g

Dry Weight Extracted: 8.56g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.37	1.02	874		58.4	10.8	
7	PCB-181			ND		29.2	3.37	
7	PCB-182			ND		29.2	3.75	
7	PCB-183/185	42.77	1.02	296		58.4	7.26	
7	PCB-184			ND		29.2	3.20	
7	PCB-186			ND		29.2	3.41	
7	PCB-187	42.12	1.07	475		29.2	6.64	
7	PCB-188			ND		29.2	2.56	
7	PCB-189	50.81	0.97	10.3	J	29.2	3.89	
7	PCB-190	48.18	1.04	77.7		29.2	3.25	
7	PCB-191	46.74	1.03	15.9	J	29.2	2.61	
7	PCB-192			ND		29.2	3.31	
8	PCB-194	52.94	0.96	195		29.2	3.96	
8	PCB-195	50.57	0.87	82.1		29.2	3.51	
8	PCB-196	49.04	0.89	116		29.2	3.30	
8	PCB-197/200	45.52	0.93	36.6	J	58.4	7.07	
8	PCB-198/199	48.37	0.89	213		58.4	5.44	
8	PCB-201	44.51	0.90	30.2		29.2	2.88	
8	PCB-202	43.55	0.92	33.6		29.2	2.05	
8	PCB-203	49.24	0.87	125		29.2	3.99	
8	PCB-204			ND		29.2	2.68	
8	PCB-205	53.42	1.08 *	8.76	JI	29.2	3.26	8.76
9	PCB-206	55.18	0.73	37.7		29.2	3.38	
9	PCB-207	51.28	0.96 *	5.87	JI	29.2	2.66	5.87
9	PCB-208	50.33	0.73	6.24	J	29.2	2.84	
10	PCB-209			ND		29.2	4.36	

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary

Method 1668A

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Client Sample ID: **SB-02-29-31-250211**

Lab Sample ID: 10723702006

Lab File ID: Y250315A_13

Matrix: Solid

Percent Solids: 65.81%

Date Collected: 02/11/2025 11:25

Date Received: 02/13/2025 08:50

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Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.0g

Dry Weight Extracted: 8.56g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250315A03

CCal File(s): Y250315A_02

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	133	JB
Total TrCB	ND	
Total TeCB	64.4	J
Total PeCB	703	J
Total HxCB	3430	J
Total HpCB	3220	J
Total OcCB	830	J
Total NoCB	43.9	J
DeCB	ND	
Total PCBs	8420	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-02-31-33-250211**

Lab Sample ID: 10723702007

Lab File ID: Y250316A_04

Matrix: Solid

Percent Solids: 65.16%

Date Collected: 02/11/2025 11:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 03:03

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.4g

Dry Weight Extracted: 8.76g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.54	2.96	2.00	1.26	63	
1	PCB-003L	12.36	3.04	2.00	1.36	68	
2	PCB-004L	12.66	1.54	2.00	1.53	76	
2	PCB-015L	19.71	1.47	2.00	1.49	74	
3	PCB-019L	16.48	1.04	2.00	1.77	88	
3	PCB-037L	27.46	1.07	2.00	1.28	64	
4	PCB-054L	20.05	0.75	2.00	1.25	63	
4	PCB-077L	35.16	0.77	2.00	1.52	76	
4	PCB-081L	34.55	0.78	2.00	1.51	76	
5	PCB-104L	26.15	1.63	2.00	1.44	72	
5	PCB-105L	38.73	1.61	2.00	1.31	66	
5	PCB-114L	38.06	1.59	2.00	1.29	64	
5	PCB-118L	37.53	1.55	2.00	1.26	63	
5	PCB-123L	37.19	1.59	2.00	1.28	64	
5	PCB-126L	41.87	1.49	2.00	1.44	72	
6	PCB-155L	32.17	1.30	2.00	1.49	74	
6	PCB-156/157L	44.94	1.26	4.00	2.50	63	
6	PCB-167L	43.77	1.32	2.00	1.21	61	
6	PCB-169L	48.21	1.24	2.00	1.38	69	
7	PCB-188L	38.06	1.08	2.00	1.67	83	
7	PCB-189L	50.78	1.06	2.00	1.29	64	
8	PCB-202L	43.52	0.91	2.00	1.59	79	
8	PCB-205L	53.39	0.91	2.00	1.42	71	
9	PCB-206L	55.16	0.79	2.00	1.72	86	
9	PCB-208L	50.29	0.84	2.00	1.62	81	
10	PCB-209L	56.77	0.72	2.00	1.90	95	
Recovery Standards							
2	PCB-009L	15.15	1.55	2.00	1.38	N/A	
4	PCB-052L	25.11	0.77	2.00	1.92	N/A	
5	PCB-101L	32.39	1.60	2.00	2.07	N/A	
6	PCB-138L	40.70	1.25	2.00	2.20	N/A	
8	PCB-194L	52.89	0.94	2.00	2.18	N/A	
Cleanup Standards							
3	PCB-028L	23.11	1.06	2.00	1.15	57	
5	PCB-111L	35.21	1.53	2.00	1.51	75	
7	PCB-178L	41.16	1.08	2.00	1.81	91	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-31-33-250211**

Lab Sample ID: 10723702007

Lab File ID: Y250316A_04

Matrix: Solid

Percent Solids: 65.16%

Date Collected: 02/11/2025 11:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 03:03

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.4g

Dry Weight Extracted: 8.76g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND		28.5	4.09	
1	PCB-002			ND		28.5	4.29	
1	PCB-003			ND		28.5	4.31	
2	PCB-004			ND	A	28.5	8.92	
2	PCB-005			ND	A	28.5	5.06	
2	PCB-006			ND	A	28.5	4.86	
2	PCB-007			ND	A	28.5	4.65	
2	PCB-008			ND		28.5	7.82	
2	PCB-009			ND	A	28.5	4.85	
2	PCB-010			ND	A	28.5	6.49	
2	PCB-011	19.03	1.44	139	BJ	280	104	
2	PCB-012/013			ND		57.1	8.00	
2	PCB-014			ND	A	28.5	4.66	
2	PCB-015			ND		37.7	7.45	
3	PCB-016			ND		28.5	8.12	
3	PCB-017			ND		28.5	9.10	
3	PCB-018/030			ND		57.1	20.4	
3	PCB-019			ND		28.5	3.17	
3	PCB-020/028			ND		147	30.6	
3	PCB-021/033			ND		154	16.8	
3	PCB-022			ND		108	14.3	
3	PCB-023			ND		28.5	3.19	
3	PCB-024			ND		28.5	4.49	
3	PCB-025			ND		28.5	3.97	
3	PCB-026/029			ND		57.1	7.29	
3	PCB-027			ND		28.5	5.50	
3	PCB-031			ND		148	25.9	
3	PCB-032			ND		28.5	8.88	
3	PCB-034			ND		28.5	3.49	
3	PCB-035			ND		28.5	4.23	
3	PCB-036			ND		28.5	3.15	
3	PCB-037			ND		60.5	6.77	
3	PCB-038			ND		28.5	2.69	
3	PCB-039			ND		28.5	3.53	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-31-33-250211**

Lab Sample ID: 10723702007

Lab File ID: Y250316A_04

Matrix: Solid

Percent Solids: 65.16%

Date Collected: 02/11/2025 11:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 03:03

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.4g

Dry Weight Extracted: 8.76g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071			ND		85.6	15.9	
4	PCB-042			ND		28.5	6.33	
4	PCB-043/073			ND		57.1	12.9	
4	PCB-044/047/065			ND		85.6	24.0	
4	PCB-045/051			ND		57.1	11.9	
4	PCB-046			ND		28.5	3.97	
4	PCB-048			ND		28.5	4.84	
4	PCB-069/049			ND		57.1	12.7	
4	PCB-050/053			ND		57.1	9.58	
4	PCB-052			ND		147	26.4	
4	PCB-054			ND		28.5	2.81	
4	PCB-055			ND		28.5	3.84	
4	PCB-056			ND		28.5	6.46	
4	PCB-057			ND		28.5	2.91	
4	PCB-058			ND		28.5	2.49	
4	PCB-059/062/075			ND		85.6	6.71	
4	PCB-060			ND		28.5	6.58	
4	PCB-061/070/074/076			ND		114	19.6	
4	PCB-063			ND		28.5	3.06	
4	PCB-064			ND		28.5	6.81	
4	PCB-066			ND		67.4	16.7	
4	PCB-067			ND		28.5	2.79	
4	PCB-068			ND		28.5	3.12	
4	PCB-072			ND		28.5	2.66	
4	PCB-077			ND		28.5	3.64	
4	PCB-078			ND		28.5	3.35	
4	PCB-079			ND		28.5	3.38	
4	PCB-080			ND		28.5	2.06	
4	PCB-081			ND		28.5	2.71	
5	PCB-082			ND		28.5	8.44	
5	PCB-083			ND		28.5	3.44	
5	PCB-084			ND		28.5	5.15	
5	PCB-085/116/117			ND		85.6	8.48	
5	PCB-086/087/097/108/119/12			ND		171	15.5	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-31-33-250211**

Lab Sample ID: 10723702007

Lab File ID: Y250316A_04

Matrix: Solid

Percent Solids: 65.16%

Date Collected: 02/11/2025 11:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 03:03

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.4g

Dry Weight Extracted: 8.76g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091			ND		57.1	7.62	
5	PCB-089			ND		28.5	3.88	
5	PCB-090/101/113			ND		85.6	15.0	
5	PCB-092			ND		28.5	4.29	
5	PCB-093/098/100/102			ND		114	11.0	
5	PCB-094			ND		28.5	2.59	
5	PCB-095			ND		79.9	18.3	
5	PCB-096			ND		28.5	4.88	
5	PCB-099			ND		28.5	5.76	
5	PCB-103			ND		28.5	3.72	
5	PCB-104			ND		28.5	3.31	
5	PCB-105			ND		28.5	5.07	
5	PCB-106			ND		28.5	2.99	
5	PCB-107/124			ND		57.1	5.10	
5	PCB-109			ND		28.5	3.95	
5	PCB-110/115			ND		57.1	10.2	
5	PCB-111			ND		28.5	3.05	
5	PCB-112			ND		28.5	3.11	
5	PCB-114			ND		28.5	2.74	
5	PCB-118			ND		44.5	7.32	
5	PCB-120			ND		28.5	3.24	
5	PCB-121			ND		28.5	2.74	
5	PCB-122			ND		28.5	4.49	
5	PCB-123			ND		28.5	3.17	
5	PCB-126			ND		28.5	2.88	
5	PCB-127			ND		28.5	3.21	
6	PCB-128/166			ND		57.1	6.25	
6	PCB-129/138/163			ND		85.6	12.4	
6	PCB-130			ND		28.5	3.43	
6	PCB-131			ND		28.5	3.77	
6	PCB-132			ND		28.5	5.46	
6	PCB-133			ND		28.5	3.61	
6	PCB-134/143			ND		57.1	5.26	
6	PCB-135/151			ND		57.1	10.6	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-31-33-250211**

Lab Sample ID: 10723702007

Lab File ID: Y250316A_04

Matrix: Solid

Percent Solids: 65.16%

Date Collected: 02/11/2025 11:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 03:03

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.4g

Dry Weight Extracted: 8.76g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136			ND		28.5	5.46	
6	PCB-137			ND		28.5	4.12	
6	PCB-139/140			ND		57.1	5.05	
6	PCB-141			ND		28.5	4.62	
6	PCB-142			ND		28.5	3.35	
6	PCB-144			ND		28.5	4.61	
6	PCB-145			ND		28.5	3.00	
6	PCB-146			ND		28.5	4.51	
6	PCB-147/149			ND		57.1	13.2	
6	PCB-148			ND		28.5	6.26	
6	PCB-150			ND		28.5	3.38	
6	PCB-152			ND		28.5	3.68	
6	PCB-153/168			ND		57.1	8.72	
6	PCB-154			ND		28.5	3.79	
6	PCB-155			ND		28.5	3.40	
6	PCB-156/157			ND		57.1	4.88	
6	PCB-158			ND		28.5	2.66	
6	PCB-159			ND		28.5	3.19	
6	PCB-160			ND		28.5	3.25	
6	PCB-161			ND		28.5	2.61	
6	PCB-162			ND		28.5	2.92	
6	PCB-164			ND		28.5	3.40	
6	PCB-165			ND		28.5	2.42	
6	PCB-167			ND		28.5	3.36	
6	PCB-169			ND		28.5	3.70	
7	PCB-170			ND		28.5	5.81	
7	PCB-171/173			ND		57.1	5.39	
7	PCB-172			ND		28.5	3.69	
7	PCB-174			ND		28.5	6.07	
7	PCB-175			ND		28.5	2.83	
7	PCB-176			ND		28.5	3.99	
7	PCB-177			ND		28.5	4.93	
7	PCB-178			ND		28.5	3.97	
7	PCB-179			ND		28.5	4.42	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-31-33-250211**

Lab Sample ID: 10723702007

Lab File ID: Y250316A_04

Matrix: Solid

Percent Solids: 65.16%

Date Collected: 02/11/2025 11:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 03:03

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.4g

Dry Weight Extracted: 8.76g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193			ND		57.1	10.5	
7	PCB-181			ND		28.5	3.29	
7	PCB-182			ND		28.5	3.67	
7	PCB-183/185			ND		57.1	7.09	
7	PCB-184			ND		28.5	3.13	
7	PCB-186			ND		28.5	3.33	
7	PCB-187			ND		28.5	6.49	
7	PCB-188			ND		28.5	2.50	
7	PCB-189			ND		28.5	3.80	
7	PCB-190			ND		28.5	3.17	
7	PCB-191			ND		28.5	2.55	
7	PCB-192			ND		28.5	3.23	
8	PCB-194			ND		28.5	3.87	
8	PCB-195			ND		28.5	3.43	
8	PCB-196			ND		28.5	3.22	
8	PCB-197/200			ND		57.1	6.91	
8	PCB-198/199			ND		57.1	5.31	
8	PCB-201			ND		28.5	2.81	
8	PCB-202			ND		28.5	2.00	
8	PCB-203			ND		28.5	3.89	
8	PCB-204			ND		28.5	2.61	
8	PCB-205			ND		28.5	3.19	
9	PCB-206			ND		28.5	3.30	
9	PCB-207			ND		28.5	2.60	
9	PCB-208			ND		28.5	2.77	
10	PCB-209			ND		28.5	4.26	

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary

Method 1668A

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Client Sample ID: **SB-02-31-33-250211**

Lab Sample ID: 10723702007

Lab File ID: Y250316A_04

Matrix: Solid

Percent Solids: 65.16%

Date Collected: 02/11/2025 11:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 03:03

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.4g

Dry Weight Extracted: 8.76g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	139	JB
Total TrCB	ND	
Total TeCB	ND	
Total PeCB	ND	
Total HxCB	ND	
Total HpCB	ND	
Total OcCB	ND	
Total NoCB	ND	
DeCB	ND	
Total PCBs	139	

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Report No.....10723702_1668_L2_dfr



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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-02-FD-250211**

Lab Sample ID: 10723702008

Lab File ID: Y250316A_05

Matrix: Solid

Percent Solids: 89.94%

Date Collected: 02/11/2025 11:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 04:03

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.5g

Dry Weight Extracted: 12.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.64	2.87	2.00	1.04	52	
1	PCB-003L	12.50	2.99	2.00	1.16	58	
2	PCB-004L	12.77	1.62	2.00	0.919	46	N2
2	PCB-015L	19.90	1.60	2.00	1.43	72	N2
3	PCB-019L	16.63	1.11	2.00	1.35	68	
3	PCB-037L	27.64	1.07	2.00	1.32	66	
4	PCB-054L	20.25	0.77	2.00	1.10	55	
4	PCB-077L	35.26	0.82	2.00	1.72	86	
4	PCB-081L	34.69	0.76	2.00	1.70	85	
5	PCB-104L	26.33	1.61	2.00	1.10	55	
5	PCB-105L	38.82	1.57	2.00	1.31	65	
5	PCB-114L	38.18	1.51	2.00	1.41	70	
5	PCB-118L	37.63	1.54	2.00	1.29	65	
5	PCB-123L	37.29	1.57	2.00	1.33	67	
5	PCB-126L	41.95	1.63	2.00	1.45	73	
6	PCB-155L	32.36	1.29	2.00	1.17	59	
6	PCB-156/157L	45.01	1.26	4.00	2.25	56	
6	PCB-167L	43.85	1.22	2.00	1.12	56	
6	PCB-169L	48.30	1.24	2.00	1.25	63	
7	PCB-188L	38.16	1.05	2.00	1.53	77	
7	PCB-189L	50.85	1.10	2.00	1.16	58	
8	PCB-202L	43.60	0.87	2.00	1.45	73	
8	PCB-205L	53.45	0.97	2.00	1.16	58	
9	PCB-206L	55.22	0.85	2.00	1.39	70	
9	PCB-208L	50.35	0.77	2.00	1.40	70	
10	PCB-209L	56.84	0.72	2.00	1.48	74	
Recovery Standards							
2	PCB-009L	15.29	1.54	2.00	1.36	N/A	
4	PCB-052L	25.31	0.77	2.00	2.03	N/A	
5	PCB-101L	32.56	1.51	2.00	2.33	N/A	
6	PCB-138L	40.80	1.27	2.00	2.68	N/A	
8	PCB-194L	52.96	0.90	2.00	2.51	N/A	
Cleanup Standards							
3	PCB-028L	23.31	1.10	2.00	1.11	55	
5	PCB-111L	35.29	1.52	2.00	1.42	71	
7	PCB-178L	41.25	1.08	2.00	1.49	75	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-FD-250211**

Lab Sample ID: 10723702008

Lab File ID: Y250316A_05

Matrix: Solid

Percent Solids: 89.94%

Date Collected: 02/11/2025 11:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 04:03

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.5g

Dry Weight Extracted: 12.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

Ccal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001	9.65	3.54	37.7	A	20.6	6.20	
1	PCB-002			ND	A	20.6	6.50	
1	PCB-003	12.52	3.52	9.26	JA	20.6	6.25	
2	PCB-004	12.80	1.39	24.1	AN2	20.6	16.2	
2	PCB-005			ND	AN2	20.6	10.1	
2	PCB-006			ND	AN2	20.6	8.30	
2	PCB-007			ND	AN2	20.6	7.97	
2	PCB-008	16.30	1.66	10.1	JAN2	20.6	7.54	
2	PCB-009			ND	AN2	20.6	9.19	
2	PCB-010			ND	AN2	20.6	7.46	
2	PCB-011	19.22	1.51	110	BJN2	202	75.5	
2	PCB-012/013			ND	AN2	41.2	9.58	
2	PCB-014			ND	AN2	20.6	8.75	
2	PCB-015			ND	AN2	27.2	8.89	
3	PCB-016			ND		20.6	5.86	
3	PCB-017	19.36	0.93	7.02	J	20.6	6.57	
3	PCB-018/030			ND		41.2	14.8	
3	PCB-019			ND		20.6	2.29	
3	PCB-020/028	23.35	1.09	23.9	J	106	22.1	
3	PCB-021/033	23.60	0.98	12.8	J	111	12.1	
3	PCB-022			ND		78.4	10.3	
3	PCB-023			ND	A	20.6	3.12	
3	PCB-024			ND		20.6	3.24	
3	PCB-025			ND		20.6	2.87	
3	PCB-026/029			ND		41.2	5.26	
3	PCB-027			ND		20.6	3.98	
3	PCB-031	23.03	0.90	20.4	J	107	18.7	
3	PCB-032			ND		20.6	6.42	
3	PCB-034			ND	A	20.6	3.11	
3	PCB-035			ND	A	20.6	3.18	
3	PCB-036			ND	A	20.6	2.99	
3	PCB-037	27.66	0.92	6.24	J	43.7	4.89	
3	PCB-038			ND	A	20.6	3.02	
3	PCB-039			ND	A	20.6	2.82	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-FD-250211**

Lab Sample ID: 10723702008

Lab File ID: Y250316A_05

Matrix: Solid

Percent Solids: 89.94%

Date Collected: 02/11/2025 11:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 04:03

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.5g

Dry Weight Extracted: 12.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

Ccal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071	27.46	0.65	11.6	J	61.9	11.5	
4	PCB-042	26.95	0.88	5.25	J	20.6	4.57	
4	PCB-043/073			ND		41.2	9.32	
4	PCB-044/047/065	26.40	0.80	26.6	J	61.9	17.3	
4	PCB-045/051			ND		41.2	8.58	
4	PCB-046			ND		20.6	2.87	
4	PCB-048			ND		20.6	3.50	
4	PCB-069/049	25.86	0.78	13.5	J	41.2	9.16	
4	PCB-050/053			ND		41.2	6.92	
4	PCB-052	25.33	0.76	49.9	J	106	19.1	
4	PCB-054			ND		20.6	2.03	
4	PCB-055			ND		20.6	2.77	
4	PCB-056	31.50	0.68	9.73	J	20.6	4.67	
4	PCB-057			ND		20.6	2.10	
4	PCB-058	29.51	0.69	5.86	J	20.6	1.80	
4	PCB-059/062/075			ND		61.9	4.85	
4	PCB-060	31.74	0.92 *	6.17	JI	20.6	4.75	6.17
4	PCB-061/070/074/076	30.43	0.79	43.8	J	82.5	14.2	
4	PCB-063			ND		20.6	2.21	
4	PCB-064	27.72	0.79	9.43	J	20.6	4.92	
4	PCB-066	30.78	0.79	19.4	J	48.7	12.0	
4	PCB-067			ND		20.6	2.01	
4	PCB-068			ND		20.6	2.25	
4	PCB-072			ND		20.6	1.92	
4	PCB-077			ND		20.6	2.63	
4	PCB-078			ND		20.6	2.42	
4	PCB-079			ND		20.6	2.44	
4	PCB-080			ND	A	20.6	1.54	
4	PCB-081			ND		20.6	1.95	
5	PCB-082			ND		20.6	6.10	
5	PCB-083	33.04	1.03 *	3.14	JI	20.6	2.48	3.14
5	PCB-084	30.63	1.69	16.3	J	20.6	3.72	
5	PCB-085/116/117	34.42	1.32 *	7.53	J	61.9	6.13	
5	PCB-086/087/097/108/119/12	33.75	1.38	53.7	J	124	11.2	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-FD-250211**

Lab Sample ID: 10723702008

Lab File ID: Y250316A_05

Matrix: Solid

Percent Solids: 89.94%

Date Collected: 02/11/2025 11:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 04:03

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.5g

Dry Weight Extracted: 12.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091	30.41	1.55	6.71	J	41.2	5.50	
5	PCB-089			ND		20.6	2.80	
5	PCB-090/101/113	32.59	1.51	221		61.9	10.8	
5	PCB-092	32.02	1.58	22.7		20.6	3.10	
5	PCB-093/098/100/102			ND		82.5	7.93	
5	PCB-094			ND		20.6	1.87	
5	PCB-095	29.49	1.50	168		57.7	13.2	
5	PCB-096			ND		20.6	3.52	
5	PCB-099	33.16	1.34	23.0		20.6	4.16	
5	PCB-103			ND		20.6	2.69	
5	PCB-104			ND		20.6	2.39	
5	PCB-105	38.85	1.46	21.7		20.6	3.66	
5	PCB-106			ND		20.6	2.16	
5	PCB-107/124			ND		41.2	3.69	
5	PCB-109	37.21	1.32 *	4.35	J	20.6	2.85	
5	PCB-110/115	34.59	1.51	128		41.2	7.39	
5	PCB-111			ND		20.6	2.20	
5	PCB-112			ND		20.6	2.24	
5	PCB-114			ND		20.6	1.98	
5	PCB-118	37.66	1.53	67.9		32.2	5.29	
5	PCB-120			ND		20.6	2.34	
5	PCB-121			ND		20.6	1.98	
5	PCB-122			ND		20.6	3.24	
5	PCB-123			ND		20.6	2.29	
5	PCB-126			ND		20.6	2.08	
5	PCB-127			ND		20.6	2.32	
6	PCB-128/166	42.09	1.20	32.6	J	41.2	4.51	
6	PCB-129/138/163	40.83	1.22	622		61.9	8.99	
6	PCB-130	40.16	1.19	19.9	J	20.6	2.47	
6	PCB-131	37.31	1.60 *	3.60	JI	20.6	2.72	3.60
6	PCB-132	37.76	1.18	187		20.6	3.94	
6	PCB-133	38.26	1.13	6.90	J	20.6	2.61	
6	PCB-134/143	36.69	1.32	25.4	J	41.2	3.80	
6	PCB-135/151	35.53	1.29	322		41.2	7.65	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-FD-250211**

Lab Sample ID: 10723702008

Lab File ID: Y250316A_05

Matrix: Solid

Percent Solids: 89.94%

Date Collected: 02/11/2025 11:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 04:03

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.5g

Dry Weight Extracted: 12.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	33.06	1.29	105		20.6	3.94	
6	PCB-137	40.39	1.19	3.35	J	20.6	2.98	
6	PCB-139/140			ND		41.2	3.65	
6	PCB-141	39.74	1.18	188		20.6	3.34	
6	PCB-142			ND		20.6	2.42	
6	PCB-144	36.11	1.24	45.8		20.6	3.33	
6	PCB-145			ND		20.6	2.17	
6	PCB-146	38.93	1.24	83.6		20.6	3.26	
6	PCB-147/149	36.47	1.23	636		41.2	9.57	
6	PCB-148			ND		20.6	4.52	
6	PCB-150			ND		20.6	2.44	
6	PCB-152			ND		20.6	2.66	
6	PCB-153/168	39.56	1.22	718		41.2	6.30	
6	PCB-154			ND		20.6	2.74	
6	PCB-155			ND		20.6	2.46	
6	PCB-156/157	45.01	1.16	34.1	J	41.2	3.52	
6	PCB-158	41.22	1.25	49.5		20.6	1.92	
6	PCB-159	43.08	1.35	7.44	J	20.6	2.30	
6	PCB-160			ND		20.6	2.35	
6	PCB-161			ND		20.6	1.89	
6	PCB-162			ND	A	20.6	2.26	
6	PCB-164	40.49	1.24	45.0		20.6	2.46	
6	PCB-165	38.52	1.07	2.35	J	20.6	1.75	
6	PCB-167	43.87	1.16	12.3	J	20.6	2.42	
6	PCB-169			ND		20.6	2.67	
7	PCB-170	47.71	1.01	287		20.6	4.20	
7	PCB-171/173	44.14	1.05	97.9		41.2	3.89	
7	PCB-172	45.76	1.03	56.5		20.6	2.66	
7	PCB-174	43.05	1.02	374		20.6	4.39	
7	PCB-175	41.92	1.07	14.6	J	20.6	2.05	
7	PCB-176	39.42	1.07	50.8		20.6	2.88	
7	PCB-177	43.50	1.06	209		20.6	3.56	
7	PCB-178	41.27	1.11	71.9		20.6	2.87	
7	PCB-179	38.52	1.00	164		20.6	3.19	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-02-FD-250211**
 Lab Sample ID: 10723702008
 Lab File ID: Y250316A_05
 Matrix: Solid
 Percent Solids: 89.94%
 Date Collected: 02/11/2025 11:35
 Date Received: 02/13/2025 08:50
 Date Extracted: 03/07/2025 12:00
 Date Analyzed: 03/16/2025 04:03
 Method Blank ID: BLANK-117861
 Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet
 Total Amount Extracted: 13.5g
 Dry Weight Extracted: 12.1g
 Extract Volume: 200 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: JRH
 Instrument ID: 10MSHR12 (Y)
 GC Column ID: 286731-02
 Ical ID: Y250316A02
 CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.43	1.02	776		41.2	7.60	
7	PCB-181			ND		20.6	2.38	
7	PCB-182			ND		20.6	2.65	
7	PCB-183/185	42.83	1.04	269		41.2	5.12	
7	PCB-184			ND		20.6	2.26	
7	PCB-186			ND		20.6	2.41	
7	PCB-187	42.19	1.04	422		20.6	4.68	
7	PCB-188			ND		20.6	1.81	
7	PCB-189	50.87	0.92	8.90	J	20.6	2.75	
7	PCB-190	48.25	1.01	59.8		20.6	2.29	
7	PCB-191	46.79	0.91	12.0	J	20.6	1.84	
7	PCB-192			ND		20.6	2.33	
8	PCB-194	53.00	0.89	177		20.6	2.80	
8	PCB-195	50.63	0.92	75.9		20.6	2.47	
8	PCB-196	49.08	0.86	106		20.6	2.33	
8	PCB-197/200	45.56	0.84	35.5	J	41.2	4.99	
8	PCB-198/199	48.41	0.90	212		41.2	3.84	
8	PCB-201	44.56	0.88	27.7		20.6	2.03	
8	PCB-202	43.62	0.90	36.8		20.6	1.44	
8	PCB-203	49.28	0.94	123		20.6	2.81	
8	PCB-204			ND		20.6	1.89	
8	PCB-205	53.48	1.01	10.0	J	20.6	2.30	
9	PCB-206	55.24	0.78	55.2		20.6	2.38	
9	PCB-207	51.34	0.82	9.60	J	20.6	1.88	
9	PCB-208	50.37	0.86	11.2	J	20.6	2.00	
10	PCB-209	56.86	0.68	8.52	J	20.6	3.08	

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **SB-02-FD-250211**
Lab Sample ID: 10723702008
Lab File ID: Y250316A_05
Matrix: Solid
Percent Solids: 89.94%
Date Collected: 02/11/2025 11:35
Date Received: 02/13/2025 08:50
Date Extracted: 03/07/2025 12:00
Date Analyzed: 03/16/2025 04:03
Method Blank ID: BLANK-117861
Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet
Total Amount Extracted: 13.5g
Dry Weight Extracted: 12.1g
Extract Volume: 200 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: JRH
Instrument ID: 10MSHR12 (Y)
GC Column ID: 286731-02
Ical ID: Y250316A02
CCal File(s): Y250316A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	46.9	J
Total DiCB	144	JB
Total TrCB	70.4	J
Total TeCB	195	J
Total PeCB	741	J
Total HxCB	3150	J
Total HpCB	2870	J
Total OcCB	805	J
Total NoCB	76.0	J
DeCB	8.52	J
Total PCBs	8110	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-03-06-08-250211**

Lab Sample ID: 10723702009

Lab File ID: Y250316A_06

Matrix: Solid

Percent Solids: 83.06%

Date Collected: 02/11/2025 15:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 05:04

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 19.9g

Dry Weight Extracted: 16.6g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.54	3.42	2.00	1.21	61	
1	PCB-003L	12.37	3.06	2.00	1.33	67	
2	PCB-004L	12.68	1.65	2.00	1.48	74	
2	PCB-015L	19.74	1.60	2.00	1.47	73	
3	PCB-019L	16.51	1.04	2.00	1.68	84	
3	PCB-037L	27.46	1.02	2.00	1.22	61	
4	PCB-054L	20.06	0.79	2.00	1.25	63	
4	PCB-077L	35.18	0.81	2.00	1.54	77	
4	PCB-081L	34.56	0.78	2.00	1.47	73	
5	PCB-104L	26.15	1.60	2.00	1.42	71	
5	PCB-105L	38.74	1.57	2.00	1.36	68	
5	PCB-114L	38.08	1.55	2.00	1.31	65	
5	PCB-118L	37.53	1.55	2.00	1.33	67	
5	PCB-123L	37.19	1.60	2.00	1.31	66	
5	PCB-126L	41.87	1.63	2.00	1.47	74	
6	PCB-155L	32.18	1.28	2.00	1.46	73	
6	PCB-156/157L	44.95	1.27	4.00	2.60	65	
6	PCB-167L	43.77	1.23	2.00	1.27	64	
6	PCB-169L	48.22	1.27	2.00	1.45	72	
7	PCB-188L	38.07	1.07	2.00	1.64	82	
7	PCB-189L	50.79	1.04	2.00	1.24	62	
8	PCB-202L	43.54	0.87	2.00	1.56	78	
8	PCB-205L	53.40	0.92	2.00	1.35	68	
9	PCB-206L	55.14	0.82	2.00	1.58	79	
9	PCB-208L	50.29	0.80	2.00	1.54	77	
10	PCB-209L	56.78	0.74	2.00	1.74	87	
Recovery Standards							
2	PCB-009L	15.25	1.57	2.00	1.44	N/A	
4	PCB-052L	25.11	0.77	2.00	2.01	N/A	
5	PCB-101L	32.39	1.54	2.00	2.07	N/A	
6	PCB-138L	40.72	1.25	2.00	2.22	N/A	
8	PCB-194L	52.90	0.91	2.00	2.30	N/A	
Cleanup Standards							
3	PCB-028L	23.13	1.08	2.00	1.12	56	
5	PCB-111L	35.24	1.54	2.00	1.49	74	
7	PCB-178L	41.17	1.07	2.00	1.80	90	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-03-06-08-250211**

Lab Sample ID: 10723702009

Lab File ID: Y250316A_06

Matrix: Solid

Percent Solids: 83.06%

Date Collected: 02/11/2025 15:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 05:04

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 19.9g

Dry Weight Extracted: 16.6g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND		15.1	2.16	
1	PCB-002			ND		15.1	2.27	
1	PCB-003			ND		15.1	2.28	
2	PCB-004			ND	A	15.1	5.56	
2	PCB-005			ND	A	15.1	2.17	
2	PCB-006			ND		15.1	2.37	
2	PCB-007			ND		15.1	2.13	
2	PCB-008			ND		15.1	4.14	
2	PCB-009			ND	A	15.1	2.16	
2	PCB-010			ND	A	15.1	3.46	
2	PCB-011	19.05	1.48	76.7	BJ	148	55.2	
2	PCB-012/013			ND		30.2	4.23	
2	PCB-014			ND	A	15.1	2.00	
2	PCB-015			ND		19.9	3.94	
3	PCB-016			ND		15.1	4.29	
3	PCB-017			ND		15.1	4.81	
3	PCB-018/030			ND		30.2	10.8	
3	PCB-019			ND		15.1	1.68	
3	PCB-020/028			ND		77.9	16.2	
3	PCB-021/033			ND		81.5	8.88	
3	PCB-022			ND		57.4	7.55	
3	PCB-023			ND		15.1	1.68	
3	PCB-024			ND		15.1	2.37	
3	PCB-025			ND		15.1	2.10	
3	PCB-026/029			ND		30.2	3.85	
3	PCB-027			ND		15.1	2.91	
3	PCB-031			ND		78.5	13.7	
3	PCB-032			ND		15.1	4.70	
3	PCB-034			ND		15.1	1.85	
3	PCB-035			ND		15.1	2.23	
3	PCB-036			ND		15.1	1.67	
3	PCB-037			ND		32.0	3.58	
3	PCB-038			ND		15.1	1.43	
3	PCB-039			ND		15.1	1.87	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-06-08-250211**

Lab Sample ID: 10723702009

Lab File ID: Y250316A_06

Matrix: Solid

Percent Solids: 83.06%

Date Collected: 02/11/2025 15:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 05:04

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 19.9g

Dry Weight Extracted: 16.6g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071			ND		45.3	8.39	
4	PCB-042			ND		15.1	3.35	
4	PCB-043/073			ND		30.2	6.82	
4	PCB-044/047/065			ND		45.3	12.7	
4	PCB-045/051			ND		30.2	6.28	
4	PCB-046			ND		15.1	2.10	
4	PCB-048			ND		15.1	2.56	
4	PCB-069/049			ND		30.2	6.70	
4	PCB-050/053			ND		30.2	5.07	
4	PCB-052			ND		77.9	13.9	
4	PCB-054			ND		15.1	1.49	
4	PCB-055			ND		15.1	2.03	
4	PCB-056			ND		15.1	3.42	
4	PCB-057			ND		15.1	1.54	
4	PCB-058			ND		15.1	1.32	
4	PCB-059/062/075			ND		45.3	3.55	
4	PCB-060			ND		15.1	3.48	
4	PCB-061/070/074/076			ND		60.4	10.4	
4	PCB-063			ND		15.1	1.62	
4	PCB-064			ND		15.1	3.60	
4	PCB-066			ND		35.6	8.82	
4	PCB-067			ND		15.1	1.47	
4	PCB-068			ND		15.1	1.65	
4	PCB-072			ND		15.1	1.41	
4	PCB-077			ND		15.1	1.93	
4	PCB-078			ND		15.1	1.77	
4	PCB-079			ND		15.1	1.79	
4	PCB-080			ND		15.1	1.09	
4	PCB-081			ND		15.1	1.43	
5	PCB-082			ND		15.1	4.46	
5	PCB-083			ND		15.1	1.82	
5	PCB-084			ND		15.1	2.72	
5	PCB-085/116/117			ND		45.3	4.49	
5	PCB-086/087/097/108/119/12			ND		90.6	8.21	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-06-08-250211**

Lab Sample ID: 10723702009

Lab File ID: Y250316A_06

Matrix: Solid

Percent Solids: 83.06%

Date Collected: 02/11/2025 15:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 05:04

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 19.9g

Dry Weight Extracted: 16.6g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091			ND		30.2	4.03	
5	PCB-089			ND		15.1	2.05	
5	PCB-090/101/113			ND		45.3	7.91	
5	PCB-092			ND		15.1	2.27	
5	PCB-093/098/100/102			ND		60.4	5.80	
5	PCB-094			ND		15.1	1.37	
5	PCB-095			ND		42.3	9.66	
5	PCB-096			ND		15.1	2.58	
5	PCB-099			ND		15.1	3.04	
5	PCB-103			ND		15.1	1.97	
5	PCB-104			ND		15.1	1.75	
5	PCB-105			ND		15.1	2.68	
5	PCB-106			ND		15.1	1.58	
5	PCB-107/124			ND		30.2	2.70	
5	PCB-109			ND		15.1	2.09	
5	PCB-110/115			ND		30.2	5.41	
5	PCB-111			ND		15.1	1.61	
5	PCB-112			ND		15.1	1.64	
5	PCB-114			ND		15.1	1.45	
5	PCB-118			ND		23.5	3.87	
5	PCB-120			ND		15.1	1.71	
5	PCB-121			ND		15.1	1.45	
5	PCB-122			ND		15.1	2.37	
5	PCB-123			ND		15.1	1.68	
5	PCB-126			ND		15.1	1.52	
5	PCB-127			ND		15.1	1.70	
6	PCB-128/166			ND		30.2	3.30	
6	PCB-129/138/163			ND		45.3	6.58	
6	PCB-130			ND		15.1	1.81	
6	PCB-131			ND		15.1	1.99	
6	PCB-132			ND		15.1	2.89	
6	PCB-133			ND		15.1	1.91	
6	PCB-134/143			ND		30.2	2.78	
6	PCB-135/151			ND		30.2	5.60	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-06-08-250211**

Lab Sample ID: 10723702009

Lab File ID: Y250316A_06

Matrix: Solid

Percent Solids: 83.06%

Date Collected: 02/11/2025 15:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 05:04

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 19.9g

Dry Weight Extracted: 16.6g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136			ND		15.1	2.89	
6	PCB-137			ND		15.1	2.18	
6	PCB-139/140			ND		30.2	2.67	
6	PCB-141			ND		15.1	2.45	
6	PCB-142			ND		15.1	1.77	
6	PCB-144			ND		15.1	2.44	
6	PCB-145			ND		15.1	1.59	
6	PCB-146			ND		15.1	2.39	
6	PCB-147/149			ND		30.2	7.00	
6	PCB-148			ND		15.1	3.31	
6	PCB-150			ND		15.1	1.79	
6	PCB-152			ND		15.1	1.94	
6	PCB-153/168			ND		30.2	4.61	
6	PCB-154			ND		15.1	2.00	
6	PCB-155			ND		15.1	1.80	
6	PCB-156/157			ND		30.2	2.58	
6	PCB-158			ND		15.1	1.41	
6	PCB-159			ND		15.1	1.68	
6	PCB-160			ND		15.1	1.72	
6	PCB-161			ND		15.1	1.38	
6	PCB-162			ND		15.1	1.55	
6	PCB-164			ND		15.1	1.80	
6	PCB-165			ND		15.1	1.28	
6	PCB-167			ND		15.1	1.78	
6	PCB-169			ND		15.1	1.96	
7	PCB-170			ND		15.1	3.07	
7	PCB-171/173			ND		30.2	2.85	
7	PCB-172			ND		15.1	1.95	
7	PCB-174			ND		15.1	3.21	
7	PCB-175			ND		15.1	1.50	
7	PCB-176			ND		15.1	2.11	
7	PCB-177			ND		15.1	2.61	
7	PCB-178			ND		15.1	2.10	
7	PCB-179			ND		15.1	2.34	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-06-08-250211**

Lab Sample ID: 10723702009

Lab File ID: Y250316A_06

Matrix: Solid

Percent Solids: 83.06%

Date Collected: 02/11/2025 15:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 05:04

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 19.9g

Dry Weight Extracted: 16.6g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193			ND		30.2	5.56	
7	PCB-181			ND		15.1	1.74	
7	PCB-182			ND		15.1	1.94	
7	PCB-183/185			ND		30.2	3.75	
7	PCB-184			ND		15.1	1.65	
7	PCB-186			ND		15.1	1.76	
7	PCB-187			ND		15.1	3.43	
7	PCB-188			ND		15.1	1.32	
7	PCB-189			ND		15.1	2.01	
7	PCB-190			ND		15.1	1.68	
7	PCB-191			ND		15.1	1.35	
7	PCB-192			ND		15.1	1.71	
8	PCB-194			ND		15.1	2.05	
8	PCB-195			ND		15.1	1.81	
8	PCB-196			ND		15.1	1.70	
8	PCB-197/200			ND		30.2	3.65	
8	PCB-198/199			ND		30.2	2.81	
8	PCB-201			ND		15.1	1.49	
8	PCB-202			ND		15.1	1.06	
8	PCB-203			ND		15.1	2.06	
8	PCB-204			ND		15.1	1.38	
8	PCB-205			ND		15.1	1.68	
9	PCB-206			ND		15.1	1.75	
9	PCB-207			ND		15.1	1.38	
9	PCB-208			ND		15.1	1.47	
10	PCB-209			ND		15.1	2.25	

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CB Congener Totals Summary

Method 1668A

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Page 7 of 7

Client Sample ID: **SB-03-06-08-250211**

Lab Sample ID: 10723702009

Lab File ID: Y250316A_06

Matrix: Solid

Percent Solids: 83.06%

Date Collected: 02/11/2025 15:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 05:04

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 19.9g

Dry Weight Extracted: 16.6g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	76.7	JB
Total TrCB	ND	
Total TeCB	ND	
Total PeCB	ND	
Total HxCB	ND	
Total HpCB	ND	
Total OcCB	ND	
Total NoCB	ND	
DeCB	ND	
Total PCBs	76.7	

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CB Congener Labeled Analyte Summary

Method 1668A

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Client Sample ID: **SB-03-08-09-250211**

Lab Sample ID: 10723702010

Lab File ID: Y250316A_07

Matrix: Solid

Percent Solids: 93.435%

Date Collected: 02/11/2025 15:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 06:04

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.2g

Dry Weight Extracted: 12.3g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.54	3.05	2.00	1.08	54	
1	PCB-003L	12.37	3.34	2.00	1.16	58	
2	PCB-004L	12.68	1.51	2.00	1.29	65	
2	PCB-015L	19.73	1.59	2.00	1.34	67	
3	PCB-019L	16.51	1.03	2.00	1.45	72	
3	PCB-037L	27.46	1.11	2.00	1.15	57	
4	PCB-054L	20.06	0.81	2.00	1.13	56	
4	PCB-077L	35.18	0.79	2.00	1.44	72	
4	PCB-081L	34.56	0.82	2.00	1.40	70	
5	PCB-104L	26.15	1.62	2.00	1.21	60	
5	PCB-105L	38.74	1.57	2.00	1.17	59	
5	PCB-114L	38.08	1.56	2.00	1.24	62	
5	PCB-118L	37.53	1.60	2.00	1.17	59	
5	PCB-123L	37.19	1.51	2.00	1.19	60	
5	PCB-126L	41.87	1.63	2.00	1.33	67	
6	PCB-155L	32.17	1.28	2.00	1.24	62	
6	PCB-156/157L	44.95	1.24	4.00	2.34	58	
6	PCB-167L	43.79	1.26	2.00	1.14	57	
6	PCB-169L	48.22	1.22	2.00	1.32	66	
7	PCB-188L	38.08	1.04	2.00	1.39	70	
7	PCB-189L	50.79	1.04	2.00	1.15	57	
8	PCB-202L	43.54	0.90	2.00	1.32	66	
8	PCB-205L	53.39	0.91	2.00	1.24	62	
9	PCB-206L	55.16	0.77	2.00	1.43	71	
9	PCB-208L	50.31	0.82	2.00	1.38	69	
10	PCB-209L	56.78	0.71	2.00	1.53	76	
Recovery Standards							
2	PCB-009L	15.25	1.56	2.00	1.71	N/A	
4	PCB-052L	25.13	0.75	2.00	2.29	N/A	
5	PCB-101L	32.39	1.56	2.00	2.43	N/A	
6	PCB-138L	40.72	1.24	2.00	2.58	N/A	
8	PCB-194L	52.90	0.90	2.00	2.66	N/A	
Cleanup Standards							
3	PCB-028L	23.13	1.01	2.00	1.08	54	
5	PCB-111L	35.24	1.54	2.00	1.33	66	
7	PCB-178L	41.17	1.05	2.00	1.55	77	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-08-09-250211**

Lab Sample ID: 10723702010

Lab File ID: Y250316A_07

Matrix: Solid

Percent Solids: 93.435%

Date Collected: 02/11/2025 15:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 06:04

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.2g

Dry Weight Extracted: 12.3g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND		20.3	2.90	
1	PCB-002			ND		20.3	3.05	
1	PCB-003			ND		20.3	3.06	
2	PCB-004			ND	A	20.3	6.49	
2	PCB-005			ND	A	20.3	3.16	
2	PCB-006			ND		20.3	3.19	
2	PCB-007			ND	A	20.3	2.91	
2	PCB-008			ND		20.3	5.56	
2	PCB-009			ND	A	20.3	3.04	
2	PCB-010			ND	A	20.3	3.53	
2	PCB-011	19.05	1.53	92.7	BJ	199	74.2	
2	PCB-012/013			ND		40.6	5.69	
2	PCB-014			ND	A	20.3	2.91	
2	PCB-015			ND		26.8	5.29	
3	PCB-016			ND		20.3	5.77	
3	PCB-017			ND		20.3	6.47	
3	PCB-018/030			ND		40.6	14.5	
3	PCB-019			ND		20.3	2.26	
3	PCB-020/028			ND		105	21.7	
3	PCB-021/033			ND		110	11.9	
3	PCB-022			ND		77.1	10.1	
3	PCB-023			ND		20.3	2.26	
3	PCB-024			ND		20.3	3.19	
3	PCB-025			ND		20.3	2.82	
3	PCB-026/029			ND		40.6	5.18	
3	PCB-027			ND		20.3	3.91	
3	PCB-031			ND		105	18.4	
3	PCB-032			ND		20.3	6.31	
3	PCB-034			ND		20.3	2.48	
3	PCB-035			ND		20.3	3.00	
3	PCB-036			ND		20.3	2.24	
3	PCB-037			ND		43.0	4.81	
3	PCB-038			ND		20.3	1.91	
3	PCB-039			ND		20.3	2.51	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-08-09-250211**

Lab Sample ID: 10723702010

Lab File ID: Y250316A_07

Matrix: Solid

Percent Solids: 93.435%

Date Collected: 02/11/2025 15:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 06:04

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.2g

Dry Weight Extracted: 12.3g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071			ND		60.9	11.3	
4	PCB-042			ND		20.3	4.50	
4	PCB-043/073			ND		40.6	9.17	
4	PCB-044/047/065			ND		60.9	17.0	
4	PCB-045/051			ND		40.6	8.44	
4	PCB-046			ND		20.3	2.82	
4	PCB-048			ND		20.3	3.44	
4	PCB-069/049			ND		40.6	9.01	
4	PCB-050/053			ND		40.6	6.81	
4	PCB-052			ND		105	18.7	
4	PCB-054			ND		20.3	2.00	
4	PCB-055			ND		20.3	2.73	
4	PCB-056			ND		20.3	4.59	
4	PCB-057			ND		20.3	2.07	
4	PCB-058			ND		20.3	1.77	
4	PCB-059/062/075			ND		60.9	4.77	
4	PCB-060			ND		20.3	4.67	
4	PCB-061/070/074/076	30.26	0.76	18.5	J	81.1	14.0	
4	PCB-063			ND		20.3	2.17	
4	PCB-064	27.54	0.73	6.02	J	20.3	4.84	
4	PCB-066			ND		47.9	11.8	
4	PCB-067			ND		20.3	1.98	
4	PCB-068			ND		20.3	2.22	
4	PCB-072			ND		20.3	1.89	
4	PCB-077			ND		20.3	2.59	
4	PCB-078			ND		20.3	2.38	
4	PCB-079			ND		20.3	2.40	
4	PCB-080			ND		20.3	1.46	
4	PCB-081			ND		20.3	1.92	
5	PCB-082			ND		20.3	6.00	
5	PCB-083			ND		20.3	2.44	
5	PCB-084	30.47	1.46	4.43	J	20.3	3.66	
5	PCB-085/116/117			ND		60.9	6.03	
5	PCB-086/087/097/108/119/12			ND		122	11.0	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-08-09-250211**

Lab Sample ID: 10723702010

Lab File ID: Y250316A_07

Matrix: Solid

Percent Solids: 93.435%

Date Collected: 02/11/2025 15:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 06:04

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.2g

Dry Weight Extracted: 12.3g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091			ND		40.6	5.41	
5	PCB-089			ND		20.3	2.76	
5	PCB-090/101/113	32.43	1.51	16.6	J	60.9	10.6	
5	PCB-092			ND		20.3	3.05	
5	PCB-093/098/100/102			ND		81.1	7.80	
5	PCB-094			ND		20.3	1.84	
5	PCB-095	29.32	1.48	14.5	J	56.8	13.0	
5	PCB-096			ND		20.3	3.46	
5	PCB-099	33.06	1.94 *	5.29	JI	20.3	4.09	5.29
5	PCB-103			ND		20.3	2.65	
5	PCB-104			ND		20.3	2.35	
5	PCB-105	38.75	1.79	5.26	JI	20.3	3.60	5.26
5	PCB-106			ND		20.3	2.13	
5	PCB-107/124			ND		40.6	3.63	
5	PCB-109			ND		20.3	2.81	
5	PCB-110/115	34.47	1.51	20.8	J	40.6	7.27	
5	PCB-111			ND		20.3	2.17	
5	PCB-112			ND		20.3	2.21	
5	PCB-114			ND		20.3	1.95	
5	PCB-118	37.56	1.40	12.3	J	31.6	5.20	
5	PCB-120			ND		20.3	2.30	
5	PCB-121			ND		20.3	1.95	
5	PCB-122			ND		20.3	3.19	
5	PCB-123			ND		20.3	2.26	
5	PCB-126			ND		20.3	2.04	
5	PCB-127			ND		20.3	2.28	
6	PCB-128/166	42.02	1.29	5.89	J	40.6	4.44	
6	PCB-129/138/163	40.75	1.26	46.7	J	60.9	8.84	
6	PCB-130			ND		20.3	2.43	
6	PCB-131			ND		20.3	2.68	
6	PCB-132	37.66	1.26	15.4	J	20.3	3.88	
6	PCB-133			ND		20.3	2.56	
6	PCB-134/143			ND		40.6	3.74	
6	PCB-135/151	35.48	1.20	17.8	J	40.6	7.52	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-08-09-250211**

Lab Sample ID: 10723702010

Lab File ID: Y250316A_07

Matrix: Solid

Percent Solids: 93.435%

Date Collected: 02/11/2025 15:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 06:04

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.2g

Dry Weight Extracted: 12.3g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	32.95	1.39	7.40	J	20.3	3.88	
6	PCB-137			ND		20.3	2.93	
6	PCB-139/140			ND		40.6	3.59	
6	PCB-141	39.68	0.97 *	6.39	JI	20.3	3.29	6.39
6	PCB-142			ND		20.3	2.38	
6	PCB-144			ND		20.3	3.28	
6	PCB-145			ND		20.3	2.13	
6	PCB-146	38.84	1.21	6.84	J	20.3	3.21	
6	PCB-147/149	36.39	1.29	52.2		40.6	9.41	
6	PCB-148			ND		20.3	4.45	
6	PCB-150			ND		20.3	2.40	
6	PCB-152			ND		20.3	2.61	
6	PCB-153/168	39.47	1.31	30.2	J	40.6	6.20	
6	PCB-154			ND		20.3	2.69	
6	PCB-155			ND		20.3	2.42	
6	PCB-156/157	44.95	1.05	3.53	J	40.6	3.46	
6	PCB-158	41.15	1.06	4.71	J	20.3	1.89	
6	PCB-159			ND		20.3	2.26	
6	PCB-160			ND		20.3	2.31	
6	PCB-161			ND		20.3	1.86	
6	PCB-162			ND		20.3	2.08	
6	PCB-164	40.43	1.15	4.71	J	20.3	2.42	
6	PCB-165			ND		20.3	1.72	
6	PCB-167			ND		20.3	2.39	
6	PCB-169			ND		20.3	2.63	
7	PCB-170	47.65	1.00	32.4		20.3	4.13	
7	PCB-171/173	44.07	1.19	10.4	J	40.6	3.83	
7	PCB-172	45.72	0.91	6.86	J	20.3	2.62	
7	PCB-174	42.98	1.01	40.4		20.3	4.32	
7	PCB-175			ND		20.3	2.01	
7	PCB-176	39.34	0.99	4.19	J	20.3	2.83	
7	PCB-177	43.44	1.14	24.6		20.3	3.51	
7	PCB-178	41.20	0.96	8.53	J	20.3	2.82	
7	PCB-179	38.43	1.01	16.3	J	20.3	3.14	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-08-09-250211**

Lab Sample ID: 10723702010

Lab File ID: Y250316A_07

Matrix: Solid

Percent Solids: 93.435%

Date Collected: 02/11/2025 15:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 06:04

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.2g

Dry Weight Extracted: 12.3g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.37	1.01	82.9		40.6	7.47	
7	PCB-181			ND		20.3	2.34	
7	PCB-182			ND		20.3	2.60	
7	PCB-183/185	42.77	1.05	25.4	J	40.6	5.04	
7	PCB-184			ND		20.3	2.22	
7	PCB-186			ND		20.3	2.37	
7	PCB-187	42.12	1.04	53.1		20.3	4.61	
7	PCB-188			ND		20.3	1.78	
7	PCB-189			ND		20.3	2.70	
7	PCB-190	48.18	1.50 *	4.44	JI	20.3	2.26	4.44
7	PCB-191			ND		20.3	1.81	
7	PCB-192			ND		20.3	2.30	
8	PCB-194	52.92	0.85	27.9		20.3	2.75	
8	PCB-195	50.55	0.75 *	10.9	JI	20.3	2.43	10.9
8	PCB-196	49.02	0.90	13.5	J	20.3	2.29	
8	PCB-197/200			ND		40.6	4.91	
8	PCB-198/199	48.35	0.95	34.0	J	40.6	3.77	
8	PCB-201	44.51	0.90	4.05	J	20.3	2.00	
8	PCB-202	43.57	0.85	6.31	J	20.3	1.42	
8	PCB-203	49.22	0.81	18.4	J	20.3	2.77	
8	PCB-204			ND		20.3	1.86	
8	PCB-205			ND		20.3	2.26	
9	PCB-206	55.18	0.82	19.2	J	20.3	2.35	
9	PCB-207	51.28	0.73	2.62	J	20.3	1.85	
9	PCB-208	50.33	0.83	5.95	J	20.3	1.97	
10	PCB-209	56.80	0.78	14.5	J	20.3	3.03	

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CB Congener Totals Summary

Method 1668A

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Client Sample ID: **SB-03-08-09-250211**

Lab Sample ID: 10723702010

Lab File ID: Y250316A_07

Matrix: Solid

Percent Solids: 93.435%

Date Collected: 02/11/2025 15:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 06:04

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 13.2g

Dry Weight Extracted: 12.3g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	92.7	JB
Total TrCB	ND	
Total TeCB	24.5	J
Total PeCB	68.7	J
Total HxCB	195	J
Total HpCB	305	J
Total OcCB	104	J
Total NoCB	27.8	J
DeCB	14.5	J
Total PCBs	833	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-03-09-11-250211**

Lab Sample ID: 10723702011

Lab File ID: Y250316A_08

Matrix: Solid

Percent Solids: 76.41%

Date Collected: 02/11/2025 15:40

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 07:05

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.0g

Dry Weight Extracted: 8.44g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.53	2.88	2.00	1.07	54	
1	PCB-003L	12.34	2.75	2.00	1.24	62	
2	PCB-004L	12.66	1.59	2.00	1.27	64	
2	PCB-015L	19.74	1.61	2.00	1.43	72	
3	PCB-019L	16.48	0.97	2.00	1.46	73	
3	PCB-037L	27.49	1.08	2.00	1.28	64	
4	PCB-054L	20.08	0.75	2.00	1.12	56	
4	PCB-077L	35.16	0.80	2.00	1.61	81	
4	PCB-081L	34.59	0.80	2.00	1.56	78	
5	PCB-104L	26.18	1.61	2.00	1.15	58	
5	PCB-105L	38.75	1.64	2.00	1.28	64	
5	PCB-114L	38.10	1.54	2.00	1.30	65	
5	PCB-118L	37.55	1.54	2.00	1.24	62	
5	PCB-123L	37.21	1.60	2.00	1.23	62	
5	PCB-126L	41.91	1.59	2.00	1.40	70	
6	PCB-155L	32.23	1.26	2.00	1.22	61	
6	PCB-156/157L	44.96	1.26	4.00	2.36	59	
6	PCB-167L	43.81	1.31	2.00	1.18	59	
6	PCB-169L	48.25	1.23	2.00	1.31	65	
7	PCB-188L	38.10	1.06	2.00	1.41	71	
7	PCB-189L	50.81	1.08	2.00	1.14	57	
8	PCB-202L	43.55	0.89	2.00	1.34	67	
8	PCB-205L	53.44	0.92	2.00	1.22	61	
9	PCB-206L	55.18	0.76	2.00	1.39	70	
9	PCB-208L	50.31	0.79	2.00	1.37	68	
10	PCB-209L	56.80	0.73	2.00	1.45	73	
Recovery Standards							
2	PCB-009L	15.12	1.59	2.00	1.63	N/A	
4	PCB-052L	25.14	0.77	2.00	2.16	N/A	
5	PCB-101L	32.44	1.60	2.00	2.42	N/A	
6	PCB-138L	40.73	1.23	2.00	2.60	N/A	
8	PCB-194L	52.94	0.91	2.00	2.65	N/A	
Cleanup Standards							
3	PCB-028L	23.15	1.06	2.00	1.19	60	
5	PCB-111L	35.21	1.55	2.00	1.37	69	
7	PCB-178L	41.18	1.09	2.00	1.54	77	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-09-11-250211**

Lab Sample ID: 10723702011

Lab File ID: Y250316A_08

Matrix: Solid

Percent Solids: 76.41%

Date Collected: 02/11/2025 15:40

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 07:05

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.0g

Dry Weight Extracted: 8.44g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND		29.6	4.24	
1	PCB-002			ND		29.6	4.46	
1	PCB-003			ND		29.6	4.47	
2	PCB-004			ND	A	29.6	9.61	
2	PCB-005			ND	A	29.6	3.76	
2	PCB-006			ND		29.6	4.66	
2	PCB-007			ND		29.6	4.17	
2	PCB-008			ND		29.6	8.12	
2	PCB-009			ND		29.6	4.01	
2	PCB-010			ND	A	29.6	6.55	
2	PCB-011	19.05	1.53	139	BJ	290	108	
2	PCB-012/013			ND		59.3	8.31	
2	PCB-014			ND	A	29.6	3.46	
2	PCB-015			ND		39.1	7.73	
3	PCB-016			ND		29.6	8.43	
3	PCB-017			ND		29.6	9.45	
3	PCB-018/030			ND		59.3	21.2	
3	PCB-019			ND		29.6	3.30	
3	PCB-020/028			ND		153	31.8	
3	PCB-021/033			ND		160	17.4	
3	PCB-022			ND		113	14.8	
3	PCB-023			ND		29.6	3.31	
3	PCB-024			ND		29.6	4.66	
3	PCB-025			ND		29.6	4.13	
3	PCB-026/029			ND		59.3	7.56	
3	PCB-027			ND		29.6	5.71	
3	PCB-031			ND		154	26.9	
3	PCB-032			ND		29.6	9.22	
3	PCB-034			ND		29.6	3.63	
3	PCB-035			ND		29.6	4.39	
3	PCB-036			ND		29.6	3.27	
3	PCB-037			ND		62.8	7.03	
3	PCB-038			ND		29.6	2.80	
3	PCB-039			ND		29.6	3.66	

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **SB-03-09-11-250211**

Lab Sample ID: 10723702011

Lab File ID: Y250316A_08

Matrix: Solid

Percent Solids: 76.41%

Date Collected: 02/11/2025 15:40

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 07:05

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.0g

Dry Weight Extracted: 8.44g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071			ND		88.9	16.5	
4	PCB-042			ND		29.6	6.57	
4	PCB-043/073			ND		59.3	13.4	
4	PCB-044/047/065			ND		88.9	24.9	
4	PCB-045/051			ND		59.3	12.3	
4	PCB-046			ND		29.6	4.13	
4	PCB-048			ND		29.6	5.03	
4	PCB-069/049			ND		59.3	13.2	
4	PCB-050/053			ND		59.3	9.95	
4	PCB-052	25.18	0.72	35.2	J	153	27.4	
4	PCB-054			ND		29.6	2.92	
4	PCB-055			ND		29.6	3.98	
4	PCB-056	31.37	0.84	8.29	J	29.6	6.71	
4	PCB-057			ND		29.6	3.02	
4	PCB-058			ND		29.6	2.58	
4	PCB-059/062/075			ND		88.9	6.97	
4	PCB-060			ND		29.6	6.83	
4	PCB-061/070/074/076	30.30	0.75	31.3	J	119	20.4	
4	PCB-063			ND		29.6	3.18	
4	PCB-064	27.58	0.69	9.29	J	29.6	7.07	
4	PCB-066			ND		69.9	17.3	
4	PCB-067			ND		29.6	2.89	
4	PCB-068			ND		29.6	3.24	
4	PCB-072			ND		29.6	2.76	
4	PCB-077			ND		29.6	3.78	
4	PCB-078			ND		29.6	3.47	
4	PCB-079			ND		29.6	3.51	
4	PCB-080			ND		29.6	2.13	
4	PCB-081			ND		29.6	2.81	
5	PCB-082	34.81	1.70	9.38	J	29.6	8.76	
5	PCB-083	32.95	1.43	11.8	J	29.6	3.57	
5	PCB-084	30.52	1.50	38.9		29.6	5.35	
5	PCB-085/116/117	34.31	1.42	9.49	J	88.9	8.81	
5	PCB-086/087/097/108/119/12	33.63	1.54	38.8	J	178	16.1	

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Sample Analysis Summary

Method 1668A

Page 4 of 7

Client Sample ID: **SB-03-09-11-250211**

Lab Sample ID: 10723702011

Lab File ID: Y250316A_08

Matrix: Solid

Percent Solids: 76.41%

Date Collected: 02/11/2025 15:40

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 07:05

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.0g

Dry Weight Extracted: 8.44g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091	30.28	1.60	15.5	J	59.3	7.91	
5	PCB-089			ND		29.6	4.03	
5	PCB-090/101/113	32.46	1.53	191		88.9	15.5	
5	PCB-092	31.87	1.42	35.5		29.6	4.46	
5	PCB-093/098/100/102			ND		119	11.4	
5	PCB-094			ND		29.6	2.69	
5	PCB-095	29.36	1.52	471		83.0	19.0	
5	PCB-096			ND		29.6	5.06	
5	PCB-099	33.06	1.44	21.0	J	29.6	5.97	
5	PCB-103			ND		29.6	3.86	
5	PCB-104			ND		29.6	3.44	
5	PCB-105	38.77	1.46	12.7	J	29.6	5.26	
5	PCB-106			ND		29.6	3.11	
5	PCB-107/124			ND		59.3	5.30	
5	PCB-109			ND		29.6	4.10	
5	PCB-110/115	34.49	1.54	221		59.3	10.6	
5	PCB-111			ND		29.6	3.17	
5	PCB-112			ND		29.6	3.22	
5	PCB-114			ND		29.6	2.85	
5	PCB-118	37.58	1.50	37.6	J	46.2	7.60	
5	PCB-120			ND		29.6	3.37	
5	PCB-121			ND		29.6	2.85	
5	PCB-122			ND		29.6	4.66	
5	PCB-123			ND		29.6	3.30	
5	PCB-126			ND		29.6	2.99	
5	PCB-127			ND		29.6	3.33	
6	PCB-128/166	42.04	1.34	106		59.3	6.48	
6	PCB-129/138/163	40.77	1.24	1600		88.9	12.9	
6	PCB-130	40.10	1.21	55.9		29.6	3.56	
6	PCB-131	37.21	1.20	11.5	J	29.6	3.91	
6	PCB-132	37.68	1.22	588		29.6	5.67	
6	PCB-133	38.20	1.34	19.6	J	29.6	3.75	
6	PCB-134/143	36.61	1.17	74.6		59.3	5.46	
6	PCB-135/151	35.45	1.25	984		59.3	11.0	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-09-11-250211**

Lab Sample ID: 10723702011

Lab File ID: Y250316A_08

Matrix: Solid

Percent Solids: 76.41%

Date Collected: 02/11/2025 15:40

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 07:05

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.0g

Dry Weight Extracted: 8.44g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	32.95	1.24	310		29.6	5.67	
6	PCB-137	40.33	1.14	8.87	J	29.6	4.28	
6	PCB-139/140			ND		59.3	5.24	
6	PCB-141	39.68	1.24	447		29.6	4.80	
6	PCB-142			ND		29.6	3.47	
6	PCB-144	36.03	1.29	135		29.6	4.79	
6	PCB-145			ND		29.6	3.12	
6	PCB-146	38.85	1.22	252		29.6	4.68	
6	PCB-147/149	36.39	1.24	1950		59.3	13.8	
6	PCB-148			ND		29.6	6.50	
6	PCB-150			ND		29.6	3.51	
6	PCB-152			ND		29.6	3.82	
6	PCB-153/168	39.49	1.26	1680		59.3	9.06	
6	PCB-154			ND		29.6	3.94	
6	PCB-155			ND		29.6	3.53	
6	PCB-156/157	44.96	1.23	41.8	J	59.3	5.06	
6	PCB-158	41.17	1.21	130		29.6	2.76	
6	PCB-159	43.03	1.23	25.0	J	29.6	3.31	
6	PCB-160			ND		29.6	3.38	
6	PCB-161			ND		29.6	2.71	
6	PCB-162			ND		29.6	3.03	
6	PCB-164	40.43	1.26	145		29.6	3.53	
6	PCB-165			ND		29.6	2.51	
6	PCB-167	43.84	1.11	35.3		29.6	3.49	
6	PCB-169			ND		29.6	3.84	
7	PCB-170	47.66	1.04	997		29.6	6.03	
7	PCB-171/173	44.11	1.03	326		59.3	5.60	
7	PCB-172	45.73	1.07	180		29.6	3.83	
7	PCB-174	43.00	1.02	1240		29.6	6.31	
7	PCB-175	41.87	1.09	44.2		29.6	2.94	
7	PCB-176	39.36	1.01	155		29.6	4.14	
7	PCB-177	43.45	1.02	710		29.6	5.12	
7	PCB-178	41.22	1.02	234		29.6	4.13	
7	PCB-179	38.45	1.05	534		29.6	4.59	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-09-11-250211**

Lab Sample ID: 10723702011

Lab File ID: Y250316A_08

Matrix: Solid

Percent Solids: 76.41%

Date Collected: 02/11/2025 15:40

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 07:05

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.0g

Dry Weight Extracted: 8.44g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.39	1.03	2550		59.3	10.9	
7	PCB-181			ND		29.6	3.41	
7	PCB-182			ND		29.6	3.81	
7	PCB-183/185	42.78	1.05	853		59.3	7.36	
7	PCB-184			ND		29.6	3.25	
7	PCB-186			ND		29.6	3.46	
7	PCB-187	42.14	1.03	1350		29.6	6.73	
7	PCB-188			ND		29.6	2.60	
7	PCB-189	50.83	0.98	30.6		29.6	3.95	
7	PCB-190	48.22	1.00	218		29.6	3.30	
7	PCB-191	46.76	1.04	41.2		29.6	2.64	
7	PCB-192			ND		29.6	3.35	
8	PCB-194	52.96	0.87	595		29.6	4.02	
8	PCB-195	50.59	0.92	251		29.6	3.56	
8	PCB-196	49.05	0.89	321		29.6	3.34	
8	PCB-197/200	45.53	0.86	105		59.3	7.17	
8	PCB-198/199	48.38	0.88	642		59.3	5.51	
8	PCB-201	44.53	0.87	82.4		29.6	2.92	
8	PCB-202	43.59	0.90	116		29.6	2.07	
8	PCB-203	49.26	0.90	379		29.6	4.04	
8	PCB-204			ND		29.6	2.71	
8	PCB-205	53.46	0.94	28.6	J	29.6	3.31	
9	PCB-206	55.21	0.77	166		29.6	3.43	
9	PCB-207	51.28	0.77	22.8	J	29.6	2.70	
9	PCB-208	50.36	0.69	35.1		29.6	2.88	
10	PCB-209	56.82	0.65	33.0		29.6	4.42	

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary

Method 1668A

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Client Sample ID: **SB-03-09-11-250211**

Lab Sample ID: 10723702011

Lab File ID: Y250316A_08

Matrix: Solid

Percent Solids: 76.41%

Date Collected: 02/11/2025 15:40

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 07:05

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.0g

Dry Weight Extracted: 8.44g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	139	JB
Total TrCB	ND	
Total TeCB	84.1	J
Total PeCB	1110	J
Total HxCB	8590	J
Total HpCB	9470	
Total OcCB	2520	J
Total NoCB	224	J
DeCB	33.0	
Total PCBs	22200	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-03-11-13-250211**

Lab Sample ID: 10723702012

Lab File ID: Y250316A_09

Matrix: Solid

Percent Solids: 86.69%

Date Collected: 02/11/2025 15:45

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 08:05

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 12.8g

Dry Weight Extracted: 11.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.56	2.88	2.00	1.12	56	
1	PCB-003L	12.40	2.95	2.00	1.28	64	
2	PCB-004L	12.72	1.52	2.00	1.23	62	
2	PCB-015L	19.84	1.53	2.00	1.10	55	
3	PCB-019L	16.55	1.00	2.00	1.39	70	
3	PCB-037L	27.63	1.11	2.00	1.41	70	
4	PCB-054L	20.18	0.78	2.00	1.14	57	
4	PCB-077L	35.28	0.80	2.00	1.79	90	
4	PCB-081L	34.71	0.80	2.00	1.79	90	
5	PCB-104L	26.30	1.58	2.00	1.07	54	
5	PCB-105L	38.87	1.56	2.00	1.47	73	
5	PCB-114L	38.22	1.59	2.00	1.56	78	
5	PCB-118L	37.68	1.53	2.00	1.48	74	
5	PCB-123L	37.33	1.58	2.00	1.47	73	
5	PCB-126L	42.02	1.63	2.00	1.61	81	
6	PCB-155L	32.44	1.28	2.00	1.08	54	
6	PCB-156/157L	45.06	1.28	4.00	2.37	59	
6	PCB-167L	43.91	1.23	2.00	1.26	63	
6	PCB-169L	48.37	1.29	2.00	1.26	63	
7	PCB-188L	38.18	1.08	2.00	1.59	80	
7	PCB-189L	50.90	1.03	2.00	1.25	62	
8	PCB-202L	43.62	0.94	2.00	1.54	77	
8	PCB-205L	53.50	0.89	2.00	1.20	60	
9	PCB-206L	55.25	0.76	2.00	1.29	64	
9	PCB-208L	50.40	0.80	2.00	1.42	71	
10	PCB-209L	56.87	0.69	2.00	1.20	60	
Recovery Standards							
2	PCB-009L	15.19	1.62	2.00	1.59	N/A	
4	PCB-052L	25.28	0.81	2.00	2.04	N/A	
5	PCB-101L	32.63	1.61	2.00	2.25	N/A	
6	PCB-138L	40.83	1.24	2.00	2.66	N/A	
8	PCB-194L	53.01	0.94	2.00	2.34	N/A	
Cleanup Standards							
3	PCB-028L	23.28	1.08	2.00	1.20	60	
5	PCB-111L	35.31	1.52	2.00	1.46	73	
7	PCB-178L	41.29	1.03	2.00	1.50	75	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-03-11-13-250211**

Lab Sample ID: 10723702012

Lab File ID: Y250316A_09

Matrix: Solid

Percent Solids: 86.69%

Date Collected: 02/11/2025 15:45

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 08:05

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 12.8g

Dry Weight Extracted: 11.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND		22.5	3.22	
1	PCB-002			ND		22.5	3.38	
1	PCB-003			ND		22.5	3.39	
2	PCB-004			ND	A	22.5	7.80	
2	PCB-005			ND	A	22.5	4.43	
2	PCB-006			ND	A	22.5	4.25	
2	PCB-007			ND	A	22.5	4.07	
2	PCB-008	16.22	1.60	7.36	J	22.5	6.16	
2	PCB-009			ND	A	22.5	4.25	
2	PCB-010			ND	A	22.5	5.17	
2	PCB-011	19.16	1.57	144	BJ	220	82.3	
2	PCB-012/013			ND		45.0	6.31	
2	PCB-014			ND	A	22.5	4.07	
2	PCB-015	19.85	1.70	8.87	J	29.7	5.87	
3	PCB-016	19.79	1.03	9.65	J	22.5	6.40	
3	PCB-017	19.29	1.14	10.2	J	22.5	7.17	
3	PCB-018/030	18.81	1.03	21.5	J	45.0	16.1	
3	PCB-019	16.57	0.98	21.4	J	22.5	2.50	
3	PCB-020/028	23.30	1.10	43.1	J	116	24.1	
3	PCB-021/033	23.55	1.01	19.8	J	121	13.2	
3	PCB-022	24.00	1.20	13.3	J	85.5	11.2	
3	PCB-023			ND	A	22.5	3.37	
3	PCB-024			ND		22.5	3.54	
3	PCB-025			ND	A	22.5	3.15	
3	PCB-026/029			ND		45.0	5.74	
3	PCB-027			ND		22.5	4.34	
3	PCB-031	22.98	1.01	31.3	J	117	20.4	
3	PCB-032	20.42	1.07	15.8	J	22.5	7.00	
3	PCB-034			ND	A	22.5	3.37	
3	PCB-035			ND	A	22.5	3.44	
3	PCB-036			ND	A	22.5	3.23	
3	PCB-037	27.66	1.18	11.0	J	47.7	5.34	
3	PCB-038			ND	A	22.5	3.27	
3	PCB-039			ND	A	22.5	3.05	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-11-13-250211**

Lab Sample ID: 10723702012

Lab File ID: Y250316A_09

Matrix: Solid

Percent Solids: 86.69%

Date Collected: 02/11/2025 15:45

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 08:05

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 12.8g

Dry Weight Extracted: 11.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071	27.46	0.77	23.1	J	67.5	12.5	
4	PCB-042	26.94	0.79	9.93	J	22.5	4.98	
4	PCB-043/073			ND		45.0	10.2	
4	PCB-044/047/065	26.39	0.76	41.5	J	67.5	18.9	
4	PCB-045/051	23.40	0.67	13.0	J	45.0	9.36	
4	PCB-046	23.74	0.87	5.75	J	22.5	3.13	
4	PCB-048	26.15	0.76	6.54	J	22.5	3.82	
4	PCB-069/049	25.83	0.82	20.8	J	45.0	9.99	
4	PCB-050/053	22.65	0.76	12.0	J	45.0	7.55	
4	PCB-052	25.31	0.74	61.3	J	116	20.8	
4	PCB-054			ND		22.5	2.21	
4	PCB-055			ND		22.5	3.02	
4	PCB-056	31.54	0.95 *	14.9	JI	22.5	5.09	14.9
4	PCB-057			ND	A	22.5	2.36	
4	PCB-058			ND	A	22.5	2.37	
4	PCB-059/062/075			ND		67.5	5.29	
4	PCB-060	31.79	0.71	9.25	J	22.5	5.18	
4	PCB-061/070/074/076	30.45	0.78	70.0	J	90.0	15.5	
4	PCB-063			ND		22.5	2.41	
4	PCB-064	27.71	0.75	17.2	J	22.5	5.36	
4	PCB-066	30.80	0.75	31.0	J	53.1	13.1	
4	PCB-067			ND		22.5	2.20	
4	PCB-068			ND		22.5	2.46	
4	PCB-072			ND	A	22.5	2.24	
4	PCB-077	35.31	0.86	5.50	J	22.5	2.87	
4	PCB-078			ND		22.5	2.64	
4	PCB-079			ND		22.5	2.66	
4	PCB-080			ND	A	22.5	2.07	
4	PCB-081			ND		22.5	2.13	
5	PCB-082	34.93	1.60	10.0	J	22.5	6.65	
5	PCB-083	33.08	1.32 *	4.43	J	22.5	2.71	
5	PCB-084	30.65	1.67	22.9		22.5	4.06	
5	PCB-085/116/117	34.44	1.37	13.6	J	67.5	6.69	
5	PCB-086/087/097/108/119/12	33.75	1.48	55.2	J	135	12.2	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-11-13-250211**

Lab Sample ID: 10723702012

Lab File ID: Y250316A_09

Matrix: Solid

Percent Solids: 86.69%

Date Collected: 02/11/2025 15:45

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 08:05

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 12.8g

Dry Weight Extracted: 11.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091	30.42	1.35	11.7	J	45.0	6.00	
5	PCB-089			ND		22.5	3.06	
5	PCB-090/101/113	32.66	1.58	101		67.5	11.8	
5	PCB-092			ND		22.5	3.38	
5	PCB-093/098/100/102			ND		90.0	8.65	
5	PCB-094			ND		22.5	2.04	
5	PCB-095	29.49	1.56	88.9		63.0	14.4	
5	PCB-096			ND		22.5	3.84	
5	PCB-099	33.20	1.42	31.2		22.5	4.54	
5	PCB-103			ND		22.5	2.93	
5	PCB-104			ND		22.5	2.61	
5	PCB-105	38.89	1.51	31.8		22.5	4.00	
5	PCB-106			ND	A	22.5	2.41	
5	PCB-107/124	36.98	1.45	4.18	J	45.0	4.02	
5	PCB-109	37.23	1.41	6.05	J	22.5	3.11	
5	PCB-110/115	34.61	1.51	109		45.0	8.06	
5	PCB-111			ND		22.5	2.40	
5	PCB-112			ND		22.5	2.45	
5	PCB-114			ND		22.5	2.16	
5	PCB-118	37.70	1.50	70.6		35.1	5.77	
5	PCB-120			ND		22.5	2.56	
5	PCB-121			ND		22.5	2.16	
5	PCB-122			ND		22.5	3.54	
5	PCB-123			ND		22.5	2.50	
5	PCB-126			ND		22.5	2.27	
5	PCB-127			ND		22.5	2.53	
6	PCB-128/166	42.14	1.24	24.1	J	45.0	4.92	
6	PCB-129/138/163	40.87	1.26	289		67.5	9.81	
6	PCB-130	40.20	1.18	12.6	J	22.5	2.70	
6	PCB-131			ND		22.5	2.97	
6	PCB-132	37.78	1.20	88.0		22.5	4.30	
6	PCB-133	38.30	1.35	3.89	J	22.5	2.84	
6	PCB-134/143	36.71	1.38	12.8	J	45.0	4.15	
6	PCB-135/151	35.55	1.25	127		45.0	8.34	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-11-13-250211**

Lab Sample ID: 10723702012

Lab File ID: Y250316A_09

Matrix: Solid

Percent Solids: 86.69%

Date Collected: 02/11/2025 15:45

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 08:05

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 12.8g

Dry Weight Extracted: 11.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	33.10	1.23	41.3		22.5	4.30	
6	PCB-137	40.43	1.24	5.49	J	22.5	3.25	
6	PCB-139/140			ND		45.0	3.98	
6	PCB-141	39.78	1.18	75.6		22.5	3.64	
6	PCB-142			ND		22.5	2.64	
6	PCB-144	36.13	1.12	17.5	J	22.5	3.64	
6	PCB-145			ND		22.5	2.37	
6	PCB-146	38.97	1.23	45.7		22.5	3.55	
6	PCB-147/149	36.49	1.25	280		45.0	10.4	
6	PCB-148			ND		22.5	4.93	
6	PCB-150			ND		22.5	2.66	
6	PCB-152			ND		22.5	2.90	
6	PCB-153/168	39.59	1.26	309		45.0	6.87	
6	PCB-154			ND		22.5	2.99	
6	PCB-155			ND		22.5	2.68	
6	PCB-156/157	45.08	1.10	18.2	J	45.0	3.84	
6	PCB-158	41.27	1.32	22.6		22.5	2.10	
6	PCB-159	43.12	1.10	4.34	J	22.5	2.51	
6	PCB-160			ND		22.5	2.56	
6	PCB-161			ND		22.5	2.06	
6	PCB-162			ND		22.5	2.30	
6	PCB-164	40.55	1.28	20.5	J	22.5	2.68	
6	PCB-165			ND		22.5	1.91	
6	PCB-167	43.92	1.21	8.49	J	22.5	2.65	
6	PCB-169			ND		22.5	2.92	
7	PCB-170	47.76	1.07	126		22.5	4.58	
7	PCB-171/173	44.19	1.01	43.8	J	45.0	4.25	
7	PCB-172	45.82	0.96	31.2		22.5	2.91	
7	PCB-174	43.09	1.04	192		22.5	4.79	
7	PCB-175	41.94	1.06	7.67	J	22.5	2.23	
7	PCB-176	39.44	1.04	22.6		22.5	3.14	
7	PCB-177	43.54	1.06	100		22.5	3.89	
7	PCB-178	41.30	0.98	39.8		22.5	3.13	
7	PCB-179	38.54	1.01	82.8		22.5	3.48	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-11-13-250211**

Lab Sample ID: 10723702012

Lab File ID: Y250316A_09

Matrix: Solid

Percent Solids: 86.69%

Date Collected: 02/11/2025 15:45

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 08:05

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 12.8g

Dry Weight Extracted: 11.1g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.47	1.03	412		45.0	8.29	
7	PCB-181			ND		22.5	2.59	
7	PCB-182			ND		22.5	2.89	
7	PCB-183/185	42.87	1.07	149		45.0	5.59	
7	PCB-184			ND		22.5	2.47	
7	PCB-186			ND		22.5	2.63	
7	PCB-187	42.23	1.06	237		22.5	5.11	
7	PCB-188			ND		22.5	1.97	
7	PCB-189	50.92	0.88	5.19	J	22.5	3.00	
7	PCB-190	48.32	1.04	28.8		22.5	2.50	
7	PCB-191	46.84	1.08	6.22	J	22.5	2.01	
7	PCB-192			ND		22.5	2.55	
8	PCB-194	53.03	0.87	115		22.5	3.05	
8	PCB-195	50.68	0.88	42.7		22.5	2.70	
8	PCB-196	49.12	0.81	70.2		22.5	2.54	
8	PCB-197/200	45.60	0.81	25.3	J	45.0	5.44	
8	PCB-198/199	48.47	0.88	155		45.0	4.18	
8	PCB-201	44.60	1.00	21.7	J	22.5	2.21	
8	PCB-202	43.66	0.84	32.5		22.5	1.57	
8	PCB-203	49.32	0.90	91.3		22.5	3.07	
8	PCB-204			ND		22.5	2.06	
8	PCB-205	53.53	0.78	7.31	J	22.5	2.51	
9	PCB-206	55.27	0.73	76.6		22.5	2.60	
9	PCB-207	51.37	0.82	11.6	J	22.5	2.05	
9	PCB-208	50.42	0.70	21.7	J	22.5	2.19	
10	PCB-209	56.89	0.72	40.1		22.5	3.36	

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **SB-03-11-13-250211**
Lab Sample ID: 10723702012
Lab File ID: Y250316A_09
Matrix: Solid
Percent Solids: 86.69%
Date Collected: 02/11/2025 15:45
Date Received: 02/13/2025 08:50
Date Extracted: 03/07/2025 12:00
Date Analyzed: 03/16/2025 08:05
Method Blank ID: BLANK-117861
Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet
Total Amount Extracted: 12.8g
Dry Weight Extracted: 11.1g
Extract Volume: 200 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: JRH
Instrument ID: 10MSHR12 (Y)
GC Column ID: 286731-02
Ical ID: Y250316A02
CCal File(s): Y250316A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	161	JB
Total TrCB	197	J
Total TeCB	327	J
Total PeCB	561	J
Total HxCB	1410	J
Total HpCB	1480	J
Total OcCB	561	J
Total NoCB	110	J
DeCB	40.1	
Total PCBs	4850	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-03-13-15-250211**

Lab Sample ID: 10723702013

Lab File ID: Y250316A_10

Matrix: Solid

Percent Solids: 89.27%

Date Collected: 02/11/2025 15:50

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 09:06

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 12.0g

Dry Weight Extracted: 10.7g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.62	3.02	2.00	1.05	52	
1	PCB-003L	12.46	3.28	2.00	1.14	57	
2	PCB-004L	12.70	1.70	2.00	1.01	50	N2
2	PCB-015L	19.84	1.58	2.00	1.31	66	N2
3	PCB-019L	16.60	1.13	2.00	1.27	64	
3	PCB-037L	27.63	1.07	2.00	1.34	67	
4	PCB-054L	20.21	0.77	2.00	1.10	55	
4	PCB-077L	35.28	0.76	2.00	1.69	84	
4	PCB-081L	34.69	0.80	2.00	1.66	83	
5	PCB-104L	26.32	1.62	2.00	1.03	52	
5	PCB-105L	38.84	1.56	2.00	1.33	66	
5	PCB-114L	38.20	1.57	2.00	1.36	68	
5	PCB-118L	37.65	1.60	2.00	1.35	67	
5	PCB-123L	37.31	1.56	2.00	1.32	66	
5	PCB-126L	41.98	1.58	2.00	1.54	77	
6	PCB-155L	32.31	1.25	2.00	1.07	54	
6	PCB-156/157L	45.03	1.31	4.00	2.38	60	
6	PCB-167L	43.86	1.23	2.00	1.18	59	
6	PCB-169L	48.32	1.27	2.00	1.29	64	
7	PCB-188L	38.17	1.02	2.00	1.46	73	
7	PCB-189L	50.85	1.08	2.00	1.22	61	
8	PCB-202L	43.61	0.89	2.00	1.42	71	
8	PCB-205L	53.46	0.88	2.00	1.16	58	
9	PCB-206L	55.23	0.83	2.00	1.29	65	
9	PCB-208L	50.36	0.80	2.00	1.36	68	
10	PCB-209L	56.85	0.74	2.00	1.22	61	
Recovery Standards							
2	PCB-009L	15.25	1.57	2.00	1.62	N/A	
4	PCB-052L	25.28	0.78	2.00	2.13	N/A	
5	PCB-101L	32.55	1.55	2.00	2.42	N/A	
6	PCB-138L	40.80	1.21	2.00	2.74	N/A	
8	PCB-194L	52.99	0.88	2.00	2.54	N/A	
Cleanup Standards							
3	PCB-028L	23.30	1.03	2.00	1.22	61	
5	PCB-111L	35.31	1.60	2.00	1.37	68	
7	PCB-178L	41.25	1.10	2.00	1.46	73	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-03-13-15-250211**

Lab Sample ID: 10723702013

Lab File ID: Y250316A_10

Matrix: Solid

Percent Solids: 89.27%

Date Collected: 02/11/2025 15:50

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 09:06

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 12.0g

Dry Weight Extracted: 10.7g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND		23.3	3.34	
1	PCB-002			ND		23.3	3.51	
1	PCB-003			ND		23.3	3.52	
2	PCB-004			ND	AN2	23.3	20.2	
2	PCB-005			ND	AN2	23.3	9.73	
2	PCB-006			ND	AN2	23.3	7.96	
2	PCB-007			ND	AN2	23.3	7.64	
2	PCB-008			ND	AN2	23.3	7.23	
2	PCB-009			ND	AN2	23.3	8.81	
2	PCB-010			ND	AN2	23.3	15.1	
2	PCB-011	19.15	1.48	129	BJN2	229	85.4	
2	PCB-012/013			ND	AN2	46.7	9.19	
2	PCB-014			ND	AN2	23.3	8.39	
2	PCB-015			ND	AN2	30.8	8.94	
3	PCB-016			ND		23.3	6.64	
3	PCB-017			ND		23.3	7.44	
3	PCB-018/030			ND		46.7	16.7	
3	PCB-019			ND	A	23.3	2.61	
3	PCB-020/028	23.32	0.99	25.6	J	120	25.0	
3	PCB-021/033			ND		126	13.7	
3	PCB-022			ND		88.7	11.7	
3	PCB-023			ND	A	23.3	2.97	
3	PCB-024			ND		23.3	3.67	
3	PCB-025			ND		23.3	3.25	
3	PCB-026/029			ND		46.7	5.96	
3	PCB-027			ND		23.3	4.50	
3	PCB-031	23.00	0.97	22.1	J	121	21.2	
3	PCB-032			ND		23.3	7.26	
3	PCB-034			ND	A	23.3	2.97	
3	PCB-035			ND		23.3	3.45	
3	PCB-036			ND	A	23.3	2.85	
3	PCB-037	27.66	1.11	6.98	J	49.5	5.54	
3	PCB-038			ND	A	23.3	2.88	
3	PCB-039			ND		23.3	2.88	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-13-15-250211**

Lab Sample ID: 10723702013

Lab File ID: Y250316A_10

Matrix: Solid

Percent Solids: 89.27%

Date Collected: 02/11/2025 15:50

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 09:06

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 12.0g

Dry Weight Extracted: 10.7g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

Ccal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071	27.44	0.80	14.4	J	70.0	13.0	
4	PCB-042			ND		23.3	5.17	
4	PCB-043/073			ND		46.7	10.5	
4	PCB-044/047/065	26.39	0.82	31.1	J	70.0	19.6	
4	PCB-045/051			ND		46.7	9.71	
4	PCB-046			ND		23.3	3.25	
4	PCB-048	26.15	0.77	6.03	J	23.3	3.96	
4	PCB-069/049	25.85	0.69	14.7	J	46.7	10.4	
4	PCB-050/053			ND		46.7	7.83	
4	PCB-052	25.31	0.73	47.1	J	120	21.6	
4	PCB-054			ND		23.3	2.30	
4	PCB-055			ND		23.3	3.14	
4	PCB-056	31.47	0.72	13.8	J	23.3	5.28	
4	PCB-057			ND	A	23.3	3.05	
4	PCB-058			ND	A	23.3	3.06	
4	PCB-059/062/075			ND		70.0	5.49	
4	PCB-060	31.71	0.87	8.46	J	23.3	5.38	
4	PCB-061/070/074/076	30.42	0.80	57.0	J	93.4	16.1	
4	PCB-063			ND	A	23.3	2.95	
4	PCB-064	27.71	0.81	11.6	J	23.3	5.56	
4	PCB-066	30.75	0.66	24.4	J	55.1	13.6	
4	PCB-067			ND	A	23.3	2.69	
4	PCB-068			ND	A	23.3	2.87	
4	PCB-072			ND	A	23.3	2.89	
4	PCB-077			ND		23.3	2.98	
4	PCB-078			ND	A	23.3	3.05	
4	PCB-079			ND		23.3	2.76	
4	PCB-080			ND	A	23.3	2.67	
4	PCB-081			ND	A	23.3	2.57	
5	PCB-082			ND		23.3	6.90	
5	PCB-083	33.05	1.23 *	3.40	JI	23.3	2.81	3.40
5	PCB-084	30.62	1.60	14.0	J	23.3	4.21	
5	PCB-085/116/117	34.42	1.66	9.17	J	70.0	6.94	
5	PCB-086/087/097/108/119/12	33.75	1.58	48.4	J	140	12.7	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-13-15-250211**

Lab Sample ID: 10723702013

Lab File ID: Y250316A_10

Matrix: Solid

Percent Solids: 89.27%

Date Collected: 02/11/2025 15:50

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 09:06

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 12.0g

Dry Weight Extracted: 10.7g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091	30.40	1.17 *	6.60	Jl	46.7	6.23	6.60
5	PCB-089			ND		23.3	3.17	
5	PCB-090/101/113	32.56	1.54	144		70.0	12.2	
5	PCB-092	31.98	1.49	17.9	J	23.3	3.51	
5	PCB-093/098/100/102			ND		93.4	8.97	
5	PCB-094			ND		23.3	2.12	
5	PCB-095	29.49	1.49	100		65.3	14.9	
5	PCB-096			ND		23.3	3.99	
5	PCB-099	33.17	1.56	23.3		23.3	4.71	
5	PCB-103			ND		23.3	3.04	
5	PCB-104			ND		23.3	2.71	
5	PCB-105	38.87	1.76	25.4		23.3	4.14	
5	PCB-106			ND	A	23.3	2.69	
5	PCB-107/124			ND		46.7	4.17	
5	PCB-109	37.21	1.11 *	3.36	Jl	23.3	3.23	3.36
5	PCB-110/115	34.59	1.61	97.8		46.7	8.36	
5	PCB-111			ND		23.3	2.49	
5	PCB-112			ND		23.3	2.54	
5	PCB-114			ND	A	23.3	2.33	
5	PCB-118	37.67	1.52	66.1		36.4	5.98	
5	PCB-120			ND		23.3	2.65	
5	PCB-121			ND		23.3	2.24	
5	PCB-122			ND		23.3	3.67	
5	PCB-123			ND		23.3	2.60	
5	PCB-126			ND	A	23.3	2.54	
5	PCB-127			ND		23.3	2.62	
6	PCB-128/166	42.11	1.13	25.1	J	46.7	5.11	
6	PCB-129/138/163	40.83	1.23	391		70.0	10.2	
6	PCB-130	40.16	1.38	11.7	J	23.3	2.80	
6	PCB-131			ND		23.3	3.08	
6	PCB-132	37.77	1.22	112		23.3	4.46	
6	PCB-133	38.27	0.86 *	3.56	Jl	23.3	2.95	3.56
6	PCB-134/143	36.69	1.12	15.5	J	46.7	4.30	
6	PCB-135/151	35.55	1.25	181		46.7	8.65	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-13-15-250211**

Lab Sample ID: 10723702013

Lab File ID: Y250316A_10

Matrix: Solid

Percent Solids: 89.27%

Date Collected: 02/11/2025 15:50

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 09:06

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 12.0g

Dry Weight Extracted: 10.7g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	33.07	1.29	59.0		23.3	4.46	
6	PCB-137	40.42	1.31	3.67	J	23.3	3.37	
6	PCB-139/140			ND		46.7	4.13	
6	PCB-141	39.76	1.28	112		23.3	3.78	
6	PCB-142			ND		23.3	2.74	
6	PCB-144	36.12	1.21	25.1		23.3	3.77	
6	PCB-145			ND		23.3	2.46	
6	PCB-146	38.94	1.24	53.4		23.3	3.69	
6	PCB-147/149	36.49	1.23	385		46.7	10.8	
6	PCB-148			ND		23.3	5.12	
6	PCB-150			ND		23.3	2.76	
6	PCB-152			ND		23.3	3.01	
6	PCB-153/168	39.56	1.24	443		46.7	7.13	
6	PCB-154			ND		23.3	3.10	
6	PCB-155			ND		23.3	2.78	
6	PCB-156/157	45.03	1.16	24.5	J	46.7	3.99	
6	PCB-158	41.24	1.21	32.4		23.3	2.18	
6	PCB-159	43.09	1.38	6.02	JA	23.3	2.92	
6	PCB-160			ND		23.3	2.66	
6	PCB-161			ND		23.3	2.14	
6	PCB-162			ND	A	23.3	2.94	
6	PCB-164	40.52	1.18	26.3		23.3	2.78	
6	PCB-165			ND		23.3	1.98	
6	PCB-167	43.89	1.22	10.0	J	23.3	2.74	
6	PCB-169			ND		23.3	3.02	
7	PCB-170	47.72	1.08	172		23.3	4.75	
7	PCB-171/173	44.16	1.07	60.2		46.7	4.41	
7	PCB-172	45.79	1.07	40.5		23.3	3.02	
7	PCB-174	43.05	0.97	246		23.3	4.97	
7	PCB-175	41.92	1.08	9.55	J	23.3	2.32	
7	PCB-176	39.43	1.01	32.4		23.3	3.26	
7	PCB-177	43.51	1.08	140		23.3	4.03	
7	PCB-178	41.29	1.01	47.8		23.3	3.25	
7	PCB-179	38.52	1.05	107		23.3	3.61	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-13-15-250211**

Lab Sample ID: 10723702013

Lab File ID: Y250316A_10

Matrix: Solid

Percent Solids: 89.27%

Date Collected: 02/11/2025 15:50

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 09:06

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 12.0g

Dry Weight Extracted: 10.7g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.44	1.04	515		46.7	8.60	
7	PCB-181			ND		23.3	2.69	
7	PCB-182			ND		23.3	3.00	
7	PCB-183/185	42.84	1.08	186		46.7	5.80	
7	PCB-184			ND		23.3	2.56	
7	PCB-186			ND		23.3	2.73	
7	PCB-187	42.21	1.03	286		23.3	5.30	
7	PCB-188			ND		23.3	2.04	
7	PCB-189	50.88	0.88	7.70	J	23.3	3.11	
7	PCB-190	48.27	1.01	38.1		23.3	2.60	
7	PCB-191	46.81	1.01	7.97	J	23.3	2.08	
7	PCB-192			ND		23.3	2.64	
8	PCB-194	53.01	0.94	140	A	23.3	3.34	
8	PCB-195	50.64	0.92	50.9	A	23.3	3.62	
8	PCB-196	49.09	0.93	78.7		23.3	2.63	
8	PCB-197/200	45.59	0.90	27.6	J	46.7	5.65	
8	PCB-198/199	48.44	0.88	166		46.7	4.34	
8	PCB-201	44.58	0.91	24.1		23.3	2.30	
8	PCB-202	43.62	0.87	33.5		23.3	1.63	
8	PCB-203	49.29	0.89	100		23.3	3.18	
8	PCB-204			ND		23.3	2.14	
8	PCB-205	53.51	1.11 *	6.82	JIA	23.3	2.99	6.82
9	PCB-206	55.25	0.76	68.0		23.3	2.70	
9	PCB-207	51.33	0.96 *	9.78	JI	23.3	2.13	9.78
9	PCB-208	50.38	0.70	16.0	J	23.3	2.27	
10	PCB-209	56.87	0.61	20.2	J	23.3	3.48	

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **SB-03-13-15-250211**
Lab Sample ID: 10723702013
Lab File ID: Y250316A_10
Matrix: Solid
Percent Solids: 89.27%
Date Collected: 02/11/2025 15:50
Date Received: 02/13/2025 08:50
Date Extracted: 03/07/2025 12:00
Date Analyzed: 03/16/2025 09:06
Method Blank ID: BLANK-117861
Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet
Total Amount Extracted: 12.0g
Dry Weight Extracted: 10.7g
Extract Volume: 200 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: JRH
Instrument ID: 10MSHR12 (Y)
GC Column ID: 286731-02
Ical ID: Y250316A02
CCal File(s): Y250316A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	129	JB
Total TrCB	54.6	J
Total TeCB	229	J
Total PeCB	547	J
Total HxCB	1920	J
Total HpCB	1900	J
Total OcCB	621	J
Total NoCB	84.0	J
DeCB	20.2	J
Total PCBs	5500	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-03-15-17-250211**

Lab Sample ID: 10723702014

Lab File ID: Y250316A_11

Matrix: Solid

Percent Solids: 79.06%

Date Collected: 02/11/2025 15:55

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 10:06

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.8g

Dry Weight Extracted: 9.33g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.85	2.93	2.00	1.48	74	N2
1	PCB-003L	12.80	2.80	2.00	1.57	79	N2
2	PCB-004L	13.10	1.63	2.00	1.48	74	N2
2	PCB-015L	20.27	1.54	2.00	1.59	79	N2
3	PCB-019L	16.93	1.00	2.00	1.54	77	N2
3	PCB-037L	27.92	1.08	2.00	1.60	80	N2
4	PCB-054L	20.46	0.85	2.00	1.24	62	
4	PCB-077L	35.41	0.78	2.00	2.76	138	
4	PCB-081L	34.81	0.81	2.00	2.59	130	
5	PCB-104L	26.52	1.62	2.00	1.07	53	
5	PCB-105L	38.92	1.46	2.00	2.23	111	
5	PCB-114L	38.27	1.53	2.00	2.06	103	
5	PCB-118L	37.73	1.61	2.00	2.04	102	
5	PCB-123L	37.39	1.58	2.00	1.99	100	
5	PCB-126L	42.02	1.58	2.00	2.46	123	
6	PCB-155L	32.52	1.20	2.00	0.954	48	N2
6	PCB-156/157L	44.97	1.32	4.00	3.00	75	N2
6	PCB-167L	43.82	1.32	2.00	1.67	84	N2
6	PCB-169L	48.23	1.24	2.00	1.47	73	N2
7	PCB-188L	38.25	1.05	2.00	1.46	73	
7	PCB-189L	50.87	1.04	2.00	1.44	72	
8	PCB-202L	43.64	0.90	2.00	1.59	80	
8	PCB-205L	53.48	0.91	2.00	1.33	67	
9	PCB-206L	55.25	0.82	2.00	1.36	68	
9	PCB-208L	50.40	0.81	2.00	1.51	75	
10	PCB-209L	56.86	0.67	2.00	1.30	65	
Recovery Standards							
2	PCB-009L	15.49	1.64	2.00	0.914	N/A	
4	PCB-052L	25.51	0.80	2.00	1.30	N/A	
5	PCB-101L	32.68	1.54	2.00	1.63	N/A	
6	PCB-138L	40.86	1.29	2.00	2.33	N/A	
8	PCB-194L	53.00	0.94	2.00	2.34	N/A	
Cleanup Standards							
3	PCB-028L	23.53	1.02	2.00	1.46	73	
5	PCB-111L	35.44	1.53	2.00	1.84	92	
7	PCB-178L	41.30	1.07	2.00	1.71	86	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-03-15-17-250211**

Lab Sample ID: 10723702014

Lab File ID: Y250316A_11

Matrix: Solid

Percent Solids: 79.06%

Date Collected: 02/11/2025 15:55

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 10:06

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.8g

Dry Weight Extracted: 9.33g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

Ccal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND	AN2	26.8	24.3	
1	PCB-002			ND	AN2	26.8	23.6	
1	PCB-003			ND	AN2	26.8	24.3	
2	PCB-004			ND	AN2	26.8	29.3	
2	PCB-005			ND	AN2	26.8	32.0	
2	PCB-006			ND	AN2	26.8	28.6	
2	PCB-007			ND	AN2	26.8	27.3	
2	PCB-008	16.65	1.38	42.6	AN2	26.8	25.7	
2	PCB-009			ND	AN2	26.8	21.9	
2	PCB-010			ND	AN2	26.8	18.1	
2	PCB-011	19.60	1.52	163	BJN2	263	118	
2	PCB-012/013			ND	AN2	53.6	26.7	
2	PCB-014			ND	AN2	26.8	29.8	
2	PCB-015			ND	AN2	35.4	27.1	
3	PCB-016	20.20	0.87 *	12.0	JIN2	26.8	6.64	12.0
3	PCB-017	19.71	0.98	18.0	JN2	26.8	6.44	
3	PCB-018/030	19.24	1.00	45.9	JN2	53.6	13.8	
3	PCB-019			ND	AN2	26.8	6.35	
3	PCB-020/028	23.68	1.00	66.4	JN2	138	34.8	
3	PCB-021/033	23.92	1.08	34.1	JN2	145	19.8	
3	PCB-022	24.37	0.93	24.1	JN2	102	16.7	
3	PCB-023			ND	AN2	26.8	6.25	
3	PCB-024			ND	N2	26.8	3.82	
3	PCB-025			ND	AN2	26.8	6.19	
3	PCB-026/029	22.78	1.15	9.17	JN2	53.6	7.85	
3	PCB-027			ND	N2	26.8	4.38	
3	PCB-031	23.38	1.04	67.3	JN2	139	29.3	
3	PCB-032	20.80	1.18	13.7	JAN2	26.8	6.85	
3	PCB-034			ND	AN2	26.8	6.63	
3	PCB-035			ND	AN2	26.8	6.53	
3	PCB-036			ND	AN2	26.8	6.16	
3	PCB-037	27.96	1.10	16.8	JN2	56.8	8.91	
3	PCB-038			ND	AN2	26.8	6.37	
3	PCB-039			ND	AN2	26.8	6.40	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **SB-03-15-17-250211**

Lab Sample ID: 10723702014

Lab File ID: Y250316A_11

Matrix: Solid

Percent Solids: 79.06%

Date Collected: 02/11/2025 15:55

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 10:06

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.8g

Dry Weight Extracted: 9.33g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

Ccal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071	27.64	0.81	43.1	J	80.4	14.9	
4	PCB-042	27.16	0.83	18.9	J	26.8	5.94	
4	PCB-043/073			ND		53.6	12.1	
4	PCB-044/047/065	26.58	0.71	132		80.4	22.5	
4	PCB-045/051			ND		53.6	11.1	
4	PCB-046			ND		26.8	3.73	
4	PCB-048	26.37	0.87	10.5	J	26.8	4.55	
4	PCB-069/049	26.07	0.79	75.0		53.6	11.9	
4	PCB-050/053			ND		53.6	8.99	
4	PCB-052	25.55	0.76	449		138	24.8	
4	PCB-054			ND	A	26.8	2.67	
4	PCB-055			ND	A	26.8	5.90	
4	PCB-056	31.62	0.77	54.0		26.8	6.07	
4	PCB-057			ND	A	26.8	5.75	
4	PCB-058			ND	A	26.8	5.77	
4	PCB-059/062/075			ND		80.4	6.30	
4	PCB-060	31.87	0.73	25.6	J	26.8	6.17	
4	PCB-061/070/074/076	30.58	0.79	339		107	18.4	
4	PCB-063			ND	A	26.8	5.57	
4	PCB-064	27.91	0.70	42.8		26.8	6.39	
4	PCB-066	30.93	0.75	106		63.2	15.7	
4	PCB-067			ND	A	26.8	5.08	
4	PCB-068			ND	A	26.8	5.41	
4	PCB-072			ND	A	26.8	4.97	
4	PCB-077	35.44	0.78	6.29	JA	26.8	4.56	
4	PCB-078			ND	A	26.8	5.75	
4	PCB-079	33.80	0.58 *	5.78	JIA	26.8	5.07	5.78
4	PCB-080			ND	A	26.8	5.03	
4	PCB-081			ND	A	26.8	4.16	
5	PCB-082	35.04	1.61	39.4		26.8	7.92	
5	PCB-083	33.20	1.47	59.8		26.8	3.23	
5	PCB-084	30.78	1.47	156		26.8	4.83	
5	PCB-085/116/117	34.54	1.58	78.9	J	80.4	7.96	
5	PCB-086/087/097/108/119/12	33.88	1.54	678		161	14.6	

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Sample Analysis Summary

Method 1668A

Page 4 of 7

Client Sample ID: **SB-03-15-17-250211**

Lab Sample ID: 10723702014

Lab File ID: Y250316A_11

Matrix: Solid

Percent Solids: 79.06%

Date Collected: 02/11/2025 15:55

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 10:06

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.8g

Dry Weight Extracted: 9.33g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091	30.56	1.45	49.3	J	53.6	7.15	
5	PCB-089			ND		26.8	3.64	
5	PCB-090/101/113	32.71	1.57	3970		80.4	14.0	
5	PCB-092			ND		26.8	4.03	
5	PCB-093/098/100/102			ND		107	10.3	
5	PCB-094			ND		26.8	2.43	
5	PCB-095	29.66	1.52	3060		75.0	17.2	
5	PCB-096			ND		26.8	4.58	
5	PCB-099	33.31	1.51	226		26.8	5.40	
5	PCB-103	28.97	1.60	10.7	J	26.8	3.49	
5	PCB-104			ND		26.8	3.11	
5	PCB-105	38.94	1.52	244		26.8	4.76	
5	PCB-106			ND	A	26.8	4.61	
5	PCB-107/124	37.06	1.41	33.1	J	53.6	4.79	
5	PCB-109	37.31	1.59	44.0		26.8	3.71	
5	PCB-110/115	34.71	1.55	2100		53.6	9.60	
5	PCB-111			ND		26.8	2.86	
5	PCB-112			ND		26.8	2.92	
5	PCB-114	38.30	1.44	11.2	JA	26.8	3.97	
5	PCB-118	37.76	1.58	1110		41.8	6.87	
5	PCB-120			ND		26.8	3.04	
5	PCB-121			ND		26.8	2.57	
5	PCB-122	38.08	1.61	5.65	JA	26.8	4.86	
5	PCB-123	37.43	1.35	10.8	JA	26.8	4.07	
5	PCB-126			ND	A	26.8	3.92	
5	PCB-127			ND	A	26.8	4.39	
6	PCB-128/166			ND	AN2	53.6	776	
6	PCB-129/138/163	40.81	1.26	18900	N2	80.4	12.0	
6	PCB-130	40.16	1.25	419	N2	26.8	3.77	
6	PCB-131	37.34	1.26	91.9	N2	26.8	3.74	
6	PCB-132	37.79	1.23	4650	N2	26.8	3.88	
6	PCB-133	38.30	1.37	163	N2	26.8	3.43	
6	PCB-134/143	36.75	1.25	826	N2	53.6	5.81	
6	PCB-135/151	35.64	1.28	8270	N2	53.6	8.44	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-15-17-250211**

Lab Sample ID: 10723702014

Lab File ID: Y250316A_11

Matrix: Solid

Percent Solids: 79.06%

Date Collected: 02/11/2025 15:55

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 10:06

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.8g

Dry Weight Extracted: 9.33g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

Ccal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	33.21	1.25	2410	N2	26.8	4.38	
6	PCB-137			ND	N2	26.8	3.28	
6	PCB-139/140	37.14	1.41	26.0	JN2	53.6	5.93	
6	PCB-141	39.76	1.30	5240	N2	26.8	3.31	
6	PCB-142			ND	N2	26.8	3.21	
6	PCB-144	36.22	1.23	1070	N2	26.8	3.99	
6	PCB-145			ND	N2	26.8	3.98	
6	PCB-146			ND	N2	26.8	3.75	
6	PCB-147/149	36.55	1.26	16100	N2	53.6	9.00	
6	PCB-148			ND	N2	26.8	6.38	
6	PCB-150			ND	N2	26.8	3.51	
6	PCB-152			ND	N2	26.8	4.48	
6	PCB-153/168	39.55	1.26	21000	N2	53.6	7.59	
6	PCB-154	35.89	1.11	25.1	JN2	26.8	3.69	
6	PCB-155			ND	N2	26.8	2.87	
6	PCB-156/157	44.97	1.24	948	N2	53.6	5.86	
6	PCB-158	41.21	1.26	1290	N2	26.8	2.94	
6	PCB-159	43.06	1.41	51.3	N2	26.8	3.81	
6	PCB-160			ND	N2	26.8	2.81	
6	PCB-161	38.93	1.23	1860	N2	26.8	2.49	
6	PCB-162	43.38	1.00 *	12.0	JIAN2	26.8	3.65	12.0
6	PCB-164	40.49	1.31	1090	N2	26.8	3.75	
6	PCB-165	38.53	1.38	51.2	N2	26.8	3.06	
6	PCB-167	43.83	1.23	316	N2	26.8	3.55	
6	PCB-169	48.24	1.44 *	13.5	JIAN2	26.8	4.01	13.5
7	PCB-170	47.74	1.04	8600		26.8	5.46	
7	PCB-171/173	44.19	1.03	2840		53.6	5.06	
7	PCB-172	45.82	1.05	1580	A	26.8	4.72	
7	PCB-174	43.10	1.03	11100		26.8	5.70	
7	PCB-175	41.97	1.06	376		26.8	2.66	
7	PCB-176	39.49	1.04	1180		26.8	3.74	
7	PCB-177	43.55	1.04	6320		26.8	4.63	
7	PCB-178	41.33	1.03	1770		26.8	3.73	
7	PCB-179	38.60	1.03	3940		26.8	4.15	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-15-17-250211**

Lab Sample ID: 10723702014

Lab File ID: Y250316A_11

Matrix: Solid

Percent Solids: 79.06%

Date Collected: 02/11/2025 15:55

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 10:06

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.8g

Dry Weight Extracted: 9.33g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.49	1.03	23600		53.6	9.87	
7	PCB-181	43.95	0.96	13.6	JA	26.8	4.42	
7	PCB-182			ND		26.8	3.44	
7	PCB-183/185	42.88	1.03	7750		53.6	6.66	
7	PCB-184			ND		26.8	2.94	
7	PCB-186			ND		26.8	3.13	
7	PCB-187	42.26	1.06	10400		26.8	6.09	
7	PCB-188			ND		26.8	2.35	
7	PCB-189	50.91	1.03	236	A	26.8	4.47	
7	PCB-190	48.30	1.03	1800	A	26.8	3.80	
7	PCB-191	46.84	1.03	358	A	26.8	3.53	
7	PCB-192			ND	A	26.8	3.74	
8	PCB-194	53.03	0.88	4520	A	26.8	4.61	
8	PCB-195	50.65	0.91	1970	A	26.8	5.00	
8	PCB-196	49.12	0.89	2270		26.8	3.02	
8	PCB-197/200	45.61	0.87	752		53.6	6.49	
8	PCB-198/199	48.45	0.89	4360		53.6	4.98	
8	PCB-201	44.61	0.89	587		26.8	2.64	
8	PCB-202	43.67	0.89	744		26.8	1.88	
8	PCB-203	49.32	0.90	2520		26.8	3.66	
8	PCB-204			ND		26.8	2.45	
8	PCB-205	53.50	0.92	224	A	26.8	4.14	
9	PCB-206	55.27	0.79	895		26.8	3.10	
9	PCB-207	51.37	0.76	139		26.8	2.44	
9	PCB-208	50.42	0.72	139		26.8	2.60	
10	PCB-209	56.88	0.80 *	18.5	JI	26.8	4.00	18.5

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary

Method 1668A

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Client Sample ID: **SB-03-15-17-250211**

Lab Sample ID: 10723702014

Lab File ID: Y250316A_11

Matrix: Solid

Percent Solids: 79.06%

Date Collected: 02/11/2025 15:55

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 10:06

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.8g

Dry Weight Extracted: 9.33g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	206	JB
Total TrCB	295	J
Total TeCB	1300	J
Total PeCB	11900	J
Total HxCB	84800	J
Total HpCB	81900	J
Total OcCB	17900	
Total NoCB	1170	
DeCB	ND	
Total PCBs	200000	

REPORT OF LABORATORY ANALYSIS

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-03-17-19-250211**

Lab Sample ID: 10723702015

Lab File ID: Y250316A_12

Matrix: Solid

Percent Solids: 82.64%

Date Collected: 02/11/2025 16:00

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 11:07

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 9.38g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.56	3.11	2.00	1.04	52	
1	PCB-003L	12.37	2.99	2.00	1.14	57	
2	PCB-004L	12.67	1.56	2.00	1.14	57	
2	PCB-015L	19.75	1.55	2.00	1.39	70	
3	PCB-019L	16.48	1.11	2.00	1.32	66	
3	PCB-037L	27.49	1.01	2.00	1.36	68	
4	PCB-054L	20.08	0.79	2.00	1.16	58	
4	PCB-077L	35.16	0.80	2.00	1.62	81	
4	PCB-081L	34.59	0.80	2.00	1.57	79	
5	PCB-104L	26.18	1.61	2.00	1.11	55	
5	PCB-105L	38.77	1.52	2.00	1.36	68	
5	PCB-114L	38.11	1.48	2.00	1.30	65	
5	PCB-118L	37.56	1.64	2.00	1.28	64	
5	PCB-123L	37.22	1.56	2.00	1.24	62	
5	PCB-126L	41.92	1.63	2.00	1.42	71	
6	PCB-155L	32.22	1.28	2.00	1.21	61	
6	PCB-156/157L	44.98	1.27	4.00	2.61	65	
6	PCB-167L	43.80	1.23	2.00	1.31	66	
6	PCB-169L	48.26	1.28	2.00	1.40	70	
7	PCB-188L	38.10	1.08	2.00	1.47	73	
7	PCB-189L	50.83	1.07	2.00	1.27	64	
8	PCB-202L	43.55	0.87	2.00	1.43	71	
8	PCB-205L	53.43	0.87	2.00	1.19	60	
9	PCB-206L	55.18	0.79	2.00	1.41	70	
9	PCB-208L	50.33	0.79	2.00	1.42	71	
10	PCB-209L	56.82	0.72	2.00	1.32	66	
Recovery Standards							
2	PCB-009L	15.12	1.57	2.00	1.91	N/A	
4	PCB-052L	25.16	0.79	2.00	2.38	N/A	
5	PCB-101L	32.42	1.56	2.00	2.66	N/A	
6	PCB-138L	40.75	1.28	2.00	2.69	N/A	
8	PCB-194L	52.94	0.88	2.00	2.59	N/A	
Cleanup Standards							
3	PCB-028L	23.16	1.07	2.00	1.18	59	
5	PCB-111L	35.21	1.59	2.00	1.31	66	
7	PCB-178L	41.20	1.05	2.00	1.49	74	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-03-17-19-250211**

Lab Sample ID: 10723702015

Lab File ID: Y250316A_12

Matrix: Solid

Percent Solids: 82.64%

Date Collected: 02/11/2025 16:00

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 11:07

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 9.38g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND		26.7	3.82	
1	PCB-002			ND		26.7	4.01	
1	PCB-003			ND		26.7	4.02	
2	PCB-004			ND	A	26.7	9.15	
2	PCB-005			ND	A	26.7	3.55	
2	PCB-006			ND		26.7	4.19	
2	PCB-007			ND		26.7	3.75	
2	PCB-008			ND		26.7	7.30	
2	PCB-009			ND		26.7	3.60	
2	PCB-010			ND	A	26.7	5.59	
2	PCB-011	19.06	1.46	133	BJ	261	97.6	
2	PCB-012/013			ND		53.3	7.47	
2	PCB-014			ND	A	26.7	3.27	
2	PCB-015			ND		35.2	6.95	
3	PCB-016			ND		26.7	7.58	
3	PCB-017			ND		26.7	8.50	
3	PCB-018/030			ND		53.3	19.1	
3	PCB-019	16.50	1.11	6.08	J	26.7	2.96	
3	PCB-020/028			ND		138	28.6	
3	PCB-021/033			ND		144	15.7	
3	PCB-022			ND		101	13.3	
3	PCB-023			ND		26.7	2.97	
3	PCB-024			ND		26.7	4.19	
3	PCB-025			ND		26.7	3.71	
3	PCB-026/029			ND		53.3	6.80	
3	PCB-027			ND		26.7	5.14	
3	PCB-031			ND		139	24.2	
3	PCB-032			ND		26.7	8.29	
3	PCB-034			ND		26.7	3.26	
3	PCB-035			ND		26.7	3.94	
3	PCB-036			ND		26.7	2.94	
3	PCB-037			ND		56.5	6.32	
3	PCB-038			ND		26.7	2.52	
3	PCB-039			ND		26.7	3.29	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **SB-03-17-19-250211**

Lab Sample ID: 10723702015

Lab File ID: Y250316A_12

Matrix: Solid

Percent Solids: 82.64%

Date Collected: 02/11/2025 16:00

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 11:07

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 9.38g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071			ND		80.0	14.8	
4	PCB-042			ND		26.7	5.91	
4	PCB-043/073			ND		53.3	12.0	
4	PCB-044/047/065			ND		80.0	22.4	
4	PCB-045/051			ND		53.3	11.1	
4	PCB-046			ND		26.7	3.71	
4	PCB-048			ND		26.7	4.52	
4	PCB-069/049			ND		53.3	11.8	
4	PCB-050/053			ND		53.3	8.95	
4	PCB-052	25.18	0.79	29.9	J	138	24.6	
4	PCB-054			ND		26.7	2.62	
4	PCB-055			ND		26.7	3.58	
4	PCB-056	31.35	0.88	7.16	J	26.7	6.03	
4	PCB-057			ND		26.7	2.72	
4	PCB-058			ND		26.7	2.32	
4	PCB-059/062/075			ND		80.0	6.27	
4	PCB-060			ND		26.7	6.14	
4	PCB-061/070/074/076	30.31	0.82	25.1	J	107	18.3	
4	PCB-063			ND		26.7	2.86	
4	PCB-064	27.59	0.79	9.21	J	26.7	6.35	
4	PCB-066			ND		62.9	15.6	
4	PCB-067			ND		26.7	2.60	
4	PCB-068			ND		26.7	2.91	
4	PCB-072			ND		26.7	2.48	
4	PCB-077			ND		26.7	3.40	
4	PCB-078			ND		26.7	3.12	
4	PCB-079			ND		26.7	3.16	
4	PCB-080			ND		26.7	1.92	
4	PCB-081			ND		26.7	2.53	
5	PCB-082			ND		26.7	7.88	
5	PCB-083	32.94	1.36	5.36	J	26.7	3.21	
5	PCB-084	30.51	1.34	18.8	J	26.7	4.81	
5	PCB-085/116/117			ND		80.0	7.92	
5	PCB-086/087/097/108/119/12	33.63	1.56	23.8	J	160	14.5	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-17-19-250211**

Lab Sample ID: 10723702015

Lab File ID: Y250316A_12

Matrix: Solid

Percent Solids: 82.64%

Date Collected: 02/11/2025 16:00

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 11:07

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 9.38g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091	30.29	1.50	8.48	J	53.3	7.11	
5	PCB-089			ND		26.7	3.63	
5	PCB-090/101/113	32.46	1.56	93.6		80.0	14.0	
5	PCB-092	31.85	1.60	17.3	J	26.7	4.01	
5	PCB-093/098/100/102			ND		107	10.2	
5	PCB-094			ND		26.7	2.42	
5	PCB-095	29.36	1.50	223		74.6	17.1	
5	PCB-096			ND		26.7	4.55	
5	PCB-099	33.06	1.26 *	11.2	JI	26.7	5.37	11.2
5	PCB-103			ND		26.7	3.48	
5	PCB-104			ND		26.7	3.09	
5	PCB-105	38.78	1.75	9.88	J	26.7	4.73	
5	PCB-106			ND		26.7	2.79	
5	PCB-107/124			ND		53.3	4.77	
5	PCB-109			ND		26.7	3.69	
5	PCB-110/115	34.49	1.60	101		53.3	9.55	
5	PCB-111			ND		26.7	2.85	
5	PCB-112			ND		26.7	2.90	
5	PCB-114			ND		26.7	2.56	
5	PCB-118	37.59	1.45	26.8	J	41.6	6.83	
5	PCB-120			ND		26.7	3.03	
5	PCB-121			ND		26.7	2.56	
5	PCB-122			ND		26.7	4.19	
5	PCB-123			ND		26.7	2.96	
5	PCB-126			ND		26.7	2.69	
5	PCB-127			ND		26.7	3.00	
6	PCB-128/166	42.05	1.35	51.4	J	53.3	5.83	
6	PCB-129/138/163	40.78	1.24	680		80.0	11.6	
6	PCB-130	40.11	1.18	27.7		26.7	3.20	
6	PCB-131	37.22	1.34	5.59	J	26.7	3.52	
6	PCB-132	37.68	1.23	277		26.7	5.10	
6	PCB-133	38.20	1.22	10.6	J	26.7	3.37	
6	PCB-134/143	36.60	1.21	35.9	J	53.3	4.92	
6	PCB-135/151	35.44	1.25	454		53.3	9.88	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-17-19-250211**

Lab Sample ID: 10723702015

Lab File ID: Y250316A_12

Matrix: Solid

Percent Solids: 82.64%

Date Collected: 02/11/2025 16:00

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 11:07

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 9.38g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	32.94	1.27	144		26.7	5.10	
6	PCB-137	40.34	1.08	4.99	J	26.7	3.85	
6	PCB-139/140			ND		53.3	4.71	
6	PCB-141	39.69	1.24	194		26.7	4.32	
6	PCB-142			ND		26.7	3.12	
6	PCB-144	36.03	1.32	58.5		26.7	4.31	
6	PCB-145			ND		26.7	2.80	
6	PCB-146	38.87	1.26	117		26.7	4.21	
6	PCB-147/149	36.40	1.28	929		53.3	12.4	
6	PCB-148			ND		26.7	5.84	
6	PCB-150			ND		26.7	3.16	
6	PCB-152			ND		26.7	3.43	
6	PCB-153/168	39.50	1.25	718		53.3	8.15	
6	PCB-154			ND		26.7	3.54	
6	PCB-155			ND		26.7	3.18	
6	PCB-156/157	44.98	1.19	19.0	J	53.3	4.55	
6	PCB-158	41.18	1.19	57.7		26.7	2.48	
6	PCB-159	43.03	1.05	13.6	J	26.7	2.97	
6	PCB-160			ND		26.7	3.04	
6	PCB-161			ND		26.7	2.44	
6	PCB-162			ND		26.7	2.73	
6	PCB-164	40.44	1.27	67.4		26.7	3.18	
6	PCB-165			ND		26.7	2.26	
6	PCB-167	43.84	1.34	17.8	J	26.7	3.13	
6	PCB-169			ND		26.7	3.45	
7	PCB-170	47.68	1.05	484		26.7	5.43	
7	PCB-171/173	44.10	1.08	158		53.3	5.03	
7	PCB-172	45.73	0.98	93.2		26.7	3.44	
7	PCB-174	43.01	1.01	621		26.7	5.67	
7	PCB-175	41.87	1.05	23.8	J	26.7	2.64	
7	PCB-176	39.35	1.01	74.6		26.7	3.72	
7	PCB-177	43.45	1.02	365		26.7	4.61	
7	PCB-178	41.21	0.97	111		26.7	3.71	
7	PCB-179	38.45	1.04	249		26.7	4.13	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-17-19-250211**

Lab Sample ID: 10723702015

Lab File ID: Y250316A_12

Matrix: Solid

Percent Solids: 82.64%

Date Collected: 02/11/2025 16:00

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 11:07

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 9.38g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.40	1.04	1240		53.3	9.82	
7	PCB-181			ND		26.7	3.07	
7	PCB-182			ND		26.7	3.42	
7	PCB-183/185	42.78	1.04	434		53.3	6.62	
7	PCB-184			ND		26.7	2.92	
7	PCB-186			ND		26.7	3.11	
7	PCB-187	42.15	1.04	642		26.7	6.06	
7	PCB-188			ND		26.7	2.33	
7	PCB-189	50.85	1.04	14.6	J	26.7	3.55	
7	PCB-190	48.23	0.98	104		26.7	2.96	
7	PCB-191	46.75	1.15	20.4	J	26.7	2.38	
7	PCB-192			ND		26.7	3.02	
8	PCB-194	52.96	0.89	288		26.7	3.61	
8	PCB-195	50.61	0.93	124	A	26.7	3.38	
8	PCB-196	49.05	0.86	154		26.7	3.01	
8	PCB-197/200	45.53	0.95	51.1	J	53.3	6.45	
8	PCB-198/199	48.40	0.90	302		53.3	4.96	
8	PCB-201	44.52	0.92	41.3		26.7	2.62	
8	PCB-202	43.58	0.91	52.0		26.7	1.87	
8	PCB-203	49.25	0.86	177		26.7	3.64	
8	PCB-204			ND		26.7	2.44	
8	PCB-205	53.45	0.86	16.1	J	26.7	2.97	
9	PCB-206	55.20	0.77	80.8		26.7	3.08	
9	PCB-207	51.30	0.80	12.0	J	26.7	2.43	
9	PCB-208	50.35	0.71	16.8	J	26.7	2.59	
10	PCB-209	56.84	0.75	18.8	J	26.7	3.98	

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary

Method 1668A

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Page 7 of 7

Client Sample ID: **SB-03-17-19-250211**

Lab Sample ID: 10723702015

Lab File ID: Y250316A_12

Matrix: Solid

Percent Solids: 82.64%

Date Collected: 02/11/2025 16:00

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/16/2025 11:07

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 9.38g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250316A02

CCal File(s): Y250316A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	133	JB
Total TrCB	6.08	J
Total TeCB	71.3	J
Total PeCB	528	J
Total HxCB	3880	J
Total HpCB	4640	J
Total OcCB	1210	J
Total NoCB	110	J
DeCB	18.8	J
Total PCBs	10600	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-03-19-21-250211**

Lab Sample ID: 10723702016

Lab File ID: Y250318A_09

Matrix: Solid

Percent Solids: 79.57%

Date Collected: 02/11/2025 16:05

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 15:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.5g

Dry Weight Extracted: 8.33g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.52	3.46	2.00	0.854	43	
1	PCB-003L	12.36	2.96	2.00	0.922	46	
2	PCB-004L	12.65	1.54	2.00	1.22	61	
2	PCB-015L	19.75	1.63	2.00	1.21	61	
3	PCB-019L	16.47	0.95	2.00	1.64	82	
3	PCB-037L	27.49	1.18	2.00	1.04	52	
4	PCB-054L	20.07	0.74	2.00	1.12	56	
4	PCB-077L	35.15	0.80	2.00	1.70	85	
4	PCB-081L	34.58	0.88	2.00	1.70	85	
5	PCB-104L	26.18	1.56	2.00	1.27	63	
5	PCB-105L	38.75	1.66	2.00	1.59	79	
5	PCB-114L	38.11	1.65	2.00	1.56	78	
5	PCB-118L	37.56	1.69	2.00	1.52	76	
5	PCB-123L	37.22	1.55	2.00	1.51	75	
5	PCB-126L	41.90	1.65	2.00	1.75	88	
6	PCB-155L	32.20	1.29	2.00	1.18	59	
6	PCB-156/157L	44.97	1.24	4.00	3.03	76	
6	PCB-167L	43.80	1.22	2.00	1.45	72	
6	PCB-169L	48.26	1.28	2.00	1.73	86	
7	PCB-188L	38.09	1.03	2.00	1.07	54	
7	PCB-189L	50.80	1.07	2.00	1.29	64	
8	PCB-202L	43.55	0.87	2.00	1.17	58	
8	PCB-205L	53.41	0.90	2.00	1.33	67	
9	PCB-206L	55.18	0.85	2.00	1.58	79	
9	PCB-208L	50.33	0.79	2.00	1.37	68	
10	PCB-209L	56.79	0.70	2.00	1.61	81	
Recovery Standards							
2	PCB-009L	15.13	1.52	2.00	0.749	N/A	
4	PCB-052L	25.15	0.82	2.00	1.32	N/A	
5	PCB-101L	32.42	1.57	2.00	1.72	N/A	
6	PCB-138L	40.73	1.27	2.00	2.26	N/A	
8	PCB-194L	52.94	0.93	2.00	3.13	N/A	
Cleanup Standards							
3	PCB-028L	23.16	1.15	2.00	1.06	53	
5	PCB-111L	35.20	1.55	2.00	1.49	75	
7	PCB-178L	41.20	1.07	2.00	1.77	89	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-03-19-21-250211**

Lab Sample ID: 10723702016

Lab File ID: Y250318A_09

Matrix: Solid

Percent Solids: 79.57%

Date Collected: 02/11/2025 16:05

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 15:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.5g

Dry Weight Extracted: 8.33g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

Ccal File(s): Y250318A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND	A	30.0	13.7	
1	PCB-002			ND	A	30.0	14.5	
1	PCB-003			ND	A	30.0	14.6	
2	PCB-004			ND	A	30.0	95.7	
2	PCB-005			ND	A	30.0	38.2	
2	PCB-006			ND	A	30.0	33.7	
2	PCB-007			ND	A	30.0	32.3	
2	PCB-008			ND	A	30.0	30.5	
2	PCB-009			ND	A	30.0	35.1	
2	PCB-010			ND	A	30.0	52.7	
2	PCB-011	19.06	1.74	140	BJ	294	110	
2	PCB-012/013			ND	A	60.0	34.1	
2	PCB-014			ND	A	30.0	33.1	
2	PCB-015			ND	A	39.6	33.5	
3	PCB-016			ND		30.0	8.53	
3	PCB-017			ND		30.0	9.57	
3	PCB-018/030			ND		60.0	21.5	
3	PCB-019			ND	A	30.0	7.11	
3	PCB-020/028			ND		155	32.2	
3	PCB-021/033			ND		162	17.6	
3	PCB-022			ND		114	15.0	
3	PCB-023			ND	A	30.0	8.72	
3	PCB-024			ND		30.0	4.72	
3	PCB-025			ND	A	30.0	8.75	
3	PCB-026/029			ND	A	60.0	8.65	
3	PCB-027			ND		30.0	5.79	
3	PCB-031			ND		156	27.2	
3	PCB-032			ND		30.0	9.34	
3	PCB-034			ND	A	30.0	8.92	
3	PCB-035			ND	A	30.0	9.10	
3	PCB-036			ND	A	30.0	8.60	
3	PCB-037			ND	A	63.6	8.19	
3	PCB-038			ND	A	30.0	8.69	
3	PCB-039			ND	A	30.0	8.17	

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **SB-03-19-21-250211**

Lab Sample ID: 10723702016

Lab File ID: Y250318A_09

Matrix: Solid

Percent Solids: 79.57%

Date Collected: 02/11/2025 16:05

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 15:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.5g

Dry Weight Extracted: 8.33g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071			ND		90.0	16.7	
4	PCB-042			ND		30.0	6.65	
4	PCB-043/073			ND		60.0	13.6	
4	PCB-044/047/065	26.26	0.74	27.5	J	90.0	25.2	
4	PCB-045/051			ND		60.0	12.5	
4	PCB-046			ND		30.0	4.18	
4	PCB-048			ND		30.0	5.09	
4	PCB-069/049			ND		60.0	13.3	
4	PCB-050/053			ND		60.0	10.1	
4	PCB-052	25.17	0.67	32.3	J	155	27.7	
4	PCB-054			ND		30.0	2.95	
4	PCB-055			ND		30.0	4.03	
4	PCB-056	31.33	0.83	8.15	J	30.0	6.79	
4	PCB-057			ND	A	30.0	3.28	
4	PCB-058			ND	A	30.0	3.29	
4	PCB-059/062/075			ND		90.0	7.06	
4	PCB-060			ND		30.0	6.91	
4	PCB-061/070/074/076	30.29	0.75	32.4	J	120	20.6	
4	PCB-063			ND		30.0	3.22	
4	PCB-064	27.59	0.59 *	8.68	JI	30.0	7.15	8.68
4	PCB-066			ND		70.8	17.5	
4	PCB-067			ND	A	30.0	2.96	
4	PCB-068			ND		30.0	3.28	
4	PCB-072			ND	A	30.0	3.15	
4	PCB-077			ND		30.0	3.83	
4	PCB-078			ND		30.0	3.52	
4	PCB-079			ND		30.0	3.55	
4	PCB-080			ND	A	30.0	2.88	
4	PCB-081			ND	A	30.0	3.07	
5	PCB-082			ND		30.0	8.87	
5	PCB-083			ND		30.0	3.61	
5	PCB-084	30.51	1.61	22.8	J	30.0	5.41	
5	PCB-085/116/117	34.33	1.35	9.13	J	90.0	8.92	
5	PCB-086/087/097/108/119/12	33.63	1.38	32.5	J	180	16.3	

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Sample Analysis Summary

Method 1668A

Page 4 of 7

Client Sample ID: **SB-03-19-21-250211**

Lab Sample ID: 10723702016

Lab File ID: Y250318A_09

Matrix: Solid

Percent Solids: 79.57%

Date Collected: 02/11/2025 16:05

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 15:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.5g

Dry Weight Extracted: 8.33g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091	30.27	1.44	11.4	J	60.0	8.01	
5	PCB-089			ND		30.0	4.08	
5	PCB-090/101/113	32.45	1.38	146		90.0	15.7	
5	PCB-092	31.83	1.51	23.7	J	30.0	4.51	
5	PCB-093/098/100/102			ND		120	11.5	
5	PCB-094			ND		30.0	2.72	
5	PCB-095	29.35	1.56	215		84.0	19.2	
5	PCB-096			ND		30.0	5.13	
5	PCB-099	33.06	1.49	15.9	J	30.0	6.05	
5	PCB-103			ND		30.0	3.91	
5	PCB-104			ND		30.0	3.48	
5	PCB-105	38.78	1.45	12.1	J	30.0	5.33	
5	PCB-106			ND	A	30.0	3.57	
5	PCB-107/124			ND		60.0	5.37	
5	PCB-109			ND		30.0	4.15	
5	PCB-110/115	34.48	1.55	122		60.0	10.8	
5	PCB-111			ND		30.0	3.20	
5	PCB-112			ND		30.0	3.26	
5	PCB-114			ND	A	30.0	3.56	
5	PCB-118	37.59	1.46	38.9	J	46.8	7.69	
5	PCB-120			ND		30.0	3.41	
5	PCB-121			ND		30.0	2.88	
5	PCB-122			ND		30.0	4.72	
5	PCB-123			ND	A	30.0	3.65	
5	PCB-126			ND	A	30.0	3.76	
5	PCB-127			ND	A	30.0	3.46	
6	PCB-128/166	42.05	1.24	47.5	J	60.0	6.57	
6	PCB-129/138/163	40.76	1.21	709		90.0	13.1	
6	PCB-130	40.09	1.39	27.1	J	30.0	3.60	
6	PCB-131	37.22	1.12	4.63	J	30.0	3.96	
6	PCB-132	37.67	1.28	229		30.0	5.74	
6	PCB-133	38.21	1.60 *	8.10	JI	30.0	3.79	8.10
6	PCB-134/143	36.60	1.31	29.9	J	60.0	5.53	
6	PCB-135/151	35.44	1.31	412		60.0	11.1	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-19-21-250211**

Lab Sample ID: 10723702016

Lab File ID: Y250318A_09

Matrix: Solid

Percent Solids: 79.57%

Date Collected: 02/11/2025 16:05

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 15:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.5g

Dry Weight Extracted: 8.33g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	32.94	1.18	120		30.0	5.74	
6	PCB-137	40.34	1.42	6.06	J	30.0	4.33	
6	PCB-139/140			ND		60.0	5.31	
6	PCB-141	39.69	1.28	188		30.0	4.86	
6	PCB-142			ND		30.0	3.52	
6	PCB-144	36.03	1.13	49.0		30.0	4.85	
6	PCB-145			ND		30.0	3.16	
6	PCB-146	38.86	1.25	105		30.0	4.74	
6	PCB-147/149	36.40	1.23	783		60.0	13.9	
6	PCB-148			ND		30.0	6.58	
6	PCB-150			ND		30.0	3.55	
6	PCB-152			ND		30.0	3.87	
6	PCB-153/168	39.50	1.25	722		60.0	9.17	
6	PCB-154			ND		30.0	3.99	
6	PCB-155			ND		30.0	3.58	
6	PCB-156/157	44.97	1.12	29.4	J	60.0	5.13	
6	PCB-158	41.16	1.18	55.6		30.0	2.80	
6	PCB-159	43.03	1.17	11.6	J	30.0	3.35	
6	PCB-160			ND		30.0	3.42	
6	PCB-161			ND		30.0	2.75	
6	PCB-162			ND		30.0	3.07	
6	PCB-164	40.44	1.11	54.6		30.0	3.58	
6	PCB-165			ND		30.0	2.54	
6	PCB-167	43.82	1.29	17.3	J	30.0	3.53	
6	PCB-169			ND		30.0	3.89	
7	PCB-170	47.67	1.05	409		30.0	6.11	
7	PCB-171/173	44.10	1.00	127		60.0	5.67	
7	PCB-172	45.73	1.16	78.8		30.0	3.88	
7	PCB-174	42.99	1.05	503		30.0	6.39	
7	PCB-175	41.87	1.08	19.5	J	30.0	2.98	
7	PCB-176	39.35	0.96	58.5		30.0	4.19	
7	PCB-177	43.45	1.04	286		30.0	5.19	
7	PCB-178	41.21	1.04	99.5		30.0	4.18	
7	PCB-179	38.45	1.00	203		30.0	4.65	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-19-21-250211**

Lab Sample ID: 10723702016

Lab File ID: Y250318A_09

Matrix: Solid

Percent Solids: 79.57%

Date Collected: 02/11/2025 16:05

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 15:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.5g

Dry Weight Extracted: 8.33g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.40	1.05	1010		60.0	11.1	
7	PCB-181			ND		30.0	3.46	
7	PCB-182			ND		30.0	3.85	
7	PCB-183/185	42.78	0.99	333		60.0	7.45	
7	PCB-184			ND		30.0	3.29	
7	PCB-186			ND		30.0	3.50	
7	PCB-187	42.13	1.01	615		30.0	6.82	
7	PCB-188			ND		30.0	2.63	
7	PCB-189	50.82	0.96	14.5	J	30.0	4.00	
7	PCB-190	48.21	0.97	93.2		30.0	3.34	
7	PCB-191	46.75	1.08	16.2	J	30.0	2.68	
7	PCB-192			ND		30.0	3.40	
8	PCB-194	52.96	0.93	257		30.0	4.07	
8	PCB-195	50.59	0.90	112		30.0	3.60	
8	PCB-196	49.05	0.90	138		30.0	3.38	
8	PCB-197/200	45.53	0.83	47.2	J	60.0	7.26	
8	PCB-198/199	48.38	0.89	292		60.0	5.58	
8	PCB-201	44.52	0.97	33.7		30.0	2.95	
8	PCB-202	43.58	0.90	50.3		30.0	2.10	
8	PCB-203	49.25	0.89	185		30.0	4.09	
8	PCB-204			ND		30.0	2.75	
8	PCB-205	53.45	0.98	13.1	J	30.0	3.35	
9	PCB-206	55.20	0.74	82.0		30.0	3.47	
9	PCB-207	51.30	0.80	10.0	J	30.0	2.74	
9	PCB-208	50.35	0.81	19.6	J	30.0	2.92	
10	PCB-209	56.82	0.73	27.4	J	30.0	4.48	

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CB Congener Totals Summary

Method 1668A

Page 7 of 7

Client Sample ID: **SB-03-19-21-250211**

Lab Sample ID: 10723702016

Lab File ID: Y250318A_09

Matrix: Solid

Percent Solids: 79.57%

Date Collected: 02/11/2025 16:05

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 15:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.5g

Dry Weight Extracted: 8.33g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	140	JB
Total TrCB	ND	
Total TeCB	100	J
Total PeCB	649	J
Total HxCB	3600	J
Total HpCB	3870	J
Total OcCB	1130	J
Total NoCB	112	J
DeCB	27.4	J
Total PCBs	9620	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-03-21-23-250211**

Lab Sample ID: 10723702017

Lab File ID: Y250318A_10

Matrix: Solid

Percent Solids: 83.29%

Date Collected: 02/11/2025 16:10

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 16:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.2g

Dry Weight Extracted: 8.50g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.55	3.44	2.00	0.928	46	
1	PCB-003L	12.42	3.53	2.00	0.929	46	
2	PCB-004L	12.73	1.51	2.00	1.28	64	
2	PCB-015L	19.83	1.48	2.00	1.16	58	
3	PCB-019L	16.56	1.03	2.00	1.74	87	
3	PCB-037L	27.59	0.96	2.00	1.30	65	
4	PCB-054L	20.17	0.79	2.00	1.22	61	
4	PCB-077L	35.22	0.73	2.00	1.81	91	
4	PCB-081L	34.65	0.84	2.00	1.84	92	
5	PCB-104L	26.26	1.59	2.00	1.33	67	
5	PCB-105L	38.81	1.66	2.00	1.73	86	
5	PCB-114L	38.16	1.52	2.00	1.87	94	
5	PCB-118L	37.61	1.62	2.00	1.75	88	
5	PCB-123L	37.27	1.58	2.00	1.73	86	
5	PCB-126L	41.95	1.65	2.00	1.95	97	
6	PCB-155L	32.27	1.33	2.00	1.28	64	
6	PCB-156/157L	45.00	1.27	4.00	3.32	83	
6	PCB-167L	43.85	1.26	2.00	1.63	82	
6	PCB-169L	48.29	1.26	2.00	1.86	93	
7	PCB-188L	38.14	1.06	2.00	1.22	61	
7	PCB-189L	50.84	1.01	2.00	1.42	71	
8	PCB-202L	43.60	0.89	2.00	1.31	66	
8	PCB-205L	53.45	0.89	2.00	1.48	74	
9	PCB-206L	55.20	0.82	2.00	1.61	81	
9	PCB-208L	50.35	0.79	2.00	1.51	75	
10	PCB-209L	56.83	0.72	2.00	1.73	87	
Recovery Standards							
2	PCB-009L	15.24	1.60	2.00	0.816	N/A	
4	PCB-052L	25.24	0.81	2.00	1.29	N/A	
5	PCB-101L	32.49	1.52	2.00	1.59	N/A	
6	PCB-138L	40.77	1.25	2.00	2.09	N/A	
8	PCB-194L	52.95	0.90	2.00	2.83	N/A	
Cleanup Standards							
3	PCB-028L	23.24	1.10	2.00	1.32	66	
5	PCB-111L	35.27	1.49	2.00	1.67	83	
7	PCB-178L	41.23	1.09	2.00	1.92	96	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-03-21-23-250211**

Lab Sample ID: 10723702017

Lab File ID: Y250318A_10

Matrix: Solid

Percent Solids: 83.29%

Date Collected: 02/11/2025 16:10

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 16:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.2g

Dry Weight Extracted: 8.50g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND	A	29.4	31.3	
1	PCB-002			ND	A	29.4	32.4	
1	PCB-003			ND	A	29.4	29.9	
2	PCB-004			ND	A	29.4	116	
2	PCB-005			ND	A	29.4	27.8	
2	PCB-006			ND	A	29.4	24.5	
2	PCB-007			ND	A	29.4	23.5	
2	PCB-008	16.24	1.37	27.5	JA	29.4	22.2	
2	PCB-009			ND	A	29.4	25.5	
2	PCB-010			ND	A	29.4	51.9	
2	PCB-011	19.15	1.45	169	BJ	288	108	
2	PCB-012/013			ND	A	58.9	24.8	
2	PCB-014			ND	A	29.4	24.1	
2	PCB-015			ND	A	38.8	21.8	
3	PCB-016	19.78	1.01	13.6	J	29.4	8.37	
3	PCB-017	19.28	1.13	15.7	J	29.4	9.38	
3	PCB-018/030	18.80	1.11	32.6	J	58.9	21.1	
3	PCB-019			ND	A	29.4	8.16	
3	PCB-020/028	23.28	1.09	54.5	J	152	31.5	
3	PCB-021/033	23.53	1.34 *	28.9	JI	159	17.3	28.9
3	PCB-022	23.96	1.08	20.6	J	112	14.7	
3	PCB-023			ND	A	29.4	7.14	
3	PCB-024			ND	A	29.4	5.00	
3	PCB-025			ND	A	29.4	7.16	
3	PCB-026/029			ND		58.9	7.51	
3	PCB-027			ND		29.4	5.67	
3	PCB-031	22.94	0.99	48.1	J	153	26.7	
3	PCB-032			ND		29.4	9.16	
3	PCB-034			ND	A	29.4	7.12	
3	PCB-035			ND	A	29.4	7.45	
3	PCB-036			ND	A	29.4	7.04	
3	PCB-037	27.60	1.50 *	11.2	JI	62.4	6.98	11.2
3	PCB-038			ND	A	29.4	7.12	
3	PCB-039			ND	A	29.4	6.69	

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **SB-03-21-23-250211**

Lab Sample ID: 10723702017

Lab File ID: Y250318A_10

Matrix: Solid

Percent Solids: 83.29%

Date Collected: 02/11/2025 16:10

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 16:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.2g

Dry Weight Extracted: 8.50g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

Ccal File(s): Y250318A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071	27.40	0.73	32.8	J	88.3	16.4	
4	PCB-042	26.90	0.66	16.9	J	29.4	6.52	
4	PCB-043/073			ND		58.9	13.3	
4	PCB-044/047/065	26.33	0.84	102		88.3	24.7	
4	PCB-045/051			ND		58.9	12.2	
4	PCB-046			ND		29.4	4.10	
4	PCB-048	26.11	0.78	11.8	J	29.4	4.99	
4	PCB-069/049	25.79	0.76	58.8	J	58.9	13.1	
4	PCB-050/053			ND		58.9	9.88	
4	PCB-052	25.27	0.76	280		152	27.2	
4	PCB-054			ND		29.4	2.90	
4	PCB-055			ND	A	29.4	4.98	
4	PCB-056	31.40	0.80	30.8		29.4	6.66	
4	PCB-057			ND	A	29.4	4.77	
4	PCB-058			ND	A	29.4	4.79	
4	PCB-059/062/075			ND		88.3	6.92	
4	PCB-060	31.63	0.72	14.6	J	29.4	6.78	
4	PCB-061/070/074/076	30.36	0.75	191		118	20.2	
4	PCB-063			ND	A	29.4	4.63	
4	PCB-064	27.67	0.85	35.6		29.4	7.02	
4	PCB-066	30.71	0.81	65.2	J	69.5	17.2	
4	PCB-067			ND	A	29.4	4.31	
4	PCB-068			ND	A	29.4	4.60	
4	PCB-072			ND	A	29.4	4.59	
4	PCB-077			ND	A	29.4	4.87	
4	PCB-078			ND	A	29.4	4.89	
4	PCB-079	33.63	0.89	4.81	JA	29.4	4.32	
4	PCB-080			ND	A	29.4	4.20	
4	PCB-081			ND	A	29.4	4.36	
5	PCB-082	34.87	1.65	27.0	J	29.4	8.70	
5	PCB-083	33.01	1.78	30.4		29.4	3.54	
5	PCB-084	30.58	1.58	93.2		29.4	5.31	
5	PCB-085/116/117	34.38	1.46	39.6	J	88.3	8.75	
5	PCB-086/087/097/108/119/12	33.71	1.50	359		177	16.0	

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Sample Analysis Summary

Method 1668A

Page 4 of 7

Client Sample ID: **SB-03-21-23-250211**

Lab Sample ID: 10723702017

Lab File ID: Y250318A_10

Matrix: Solid

Percent Solids: 83.29%

Date Collected: 02/11/2025 16:10

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 16:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.2g

Dry Weight Extracted: 8.50g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091	30.34	1.58	32.5	J	58.9	7.85	
5	PCB-089			ND		29.4	4.00	
5	PCB-090/101/113	32.52	1.54	2190		88.3	15.4	
5	PCB-092	31.92	1.50	239		29.4	4.43	
5	PCB-093/098/100/102			ND		118	11.3	
5	PCB-094			ND		29.4	2.67	
5	PCB-095	29.43	1.51	1700		82.4	18.8	
5	PCB-096			ND		29.4	5.03	
5	PCB-099	33.12	1.47	140		29.4	5.93	
5	PCB-103	28.76	1.48	9.08	J	29.4	3.84	
5	PCB-104			ND		29.4	3.41	
5	PCB-105	38.83	1.55	109		29.4	5.23	
5	PCB-106	37.30	1.82 *	5.09	JI	29.4	3.08	5.09
5	PCB-107/124	36.93	1.45	14.2	J	58.9	5.26	
5	PCB-109	37.19	1.47	20.4	J	29.4	4.07	
5	PCB-110/115	34.55	1.53	1070		58.9	10.5	
5	PCB-111			ND		29.4	3.14	
5	PCB-112			ND		29.4	3.20	
5	PCB-114	38.19	1.70	9.84	JA	29.4	2.89	
5	PCB-118	37.64	1.49	477		45.9	7.55	
5	PCB-120			ND		29.4	3.34	
5	PCB-121			ND		29.4	2.83	
5	PCB-122			ND		29.4	4.63	
5	PCB-123			ND		29.4	3.27	
5	PCB-126			ND	A	29.4	3.41	
5	PCB-127			ND		29.4	3.31	
6	PCB-128/166	42.08	1.21	337	A	58.9	7.59	
6	PCB-129/138/163	40.81	1.26	6880		88.3	12.8	
6	PCB-130	40.14	1.23	174	A	29.4	9.43	
6	PCB-131	37.27	1.18	35.1	A	29.4	9.76	
6	PCB-132	37.74	1.23	1850	A	29.4	9.07	
6	PCB-133	38.24	1.36	69.3	A	29.4	8.71	
6	PCB-134/143	36.65	1.29	255	A	58.9	9.67	
6	PCB-135/151	35.50	1.27	3320		58.9	10.9	

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Sample Analysis Summary

Method 1668A

Page 5 of 7

Client Sample ID: **SB-03-21-23-250211**

Lab Sample ID: 10723702017

Lab File ID: Y250318A_10

Matrix: Solid

Percent Solids: 83.29%

Date Collected: 02/11/2025 16:10

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 16:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.2g

Dry Weight Extracted: 8.50g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	33.02	1.24	1070		29.4	5.63	
6	PCB-137	40.39	1.22	31.6	A	29.4	9.28	
6	PCB-139/140	37.07	1.34	9.87	J	58.9	5.20	
6	PCB-141	39.73	1.24	1950	A	29.4	8.19	
6	PCB-142			ND	A	29.4	9.46	
6	PCB-144	36.09	1.29	462		29.4	4.76	
6	PCB-145			ND		29.4	3.10	
6	PCB-146	38.91	1.26	864	A	29.4	7.55	
6	PCB-147/149	36.45	1.27	6740		58.9	13.7	
6	PCB-148			ND		29.4	6.45	
6	PCB-150			ND		29.4	3.48	
6	PCB-152			ND		29.4	3.79	
6	PCB-153/168	39.53	1.24	7700		58.9	8.99	
6	PCB-154	35.77	1.49 *	9.27	JI	29.4	3.91	9.27
6	PCB-155			ND		29.4	3.51	
6	PCB-156/157	45.00	1.24	384		58.9	5.03	
6	PCB-158	41.21	1.21	526	A	29.4	5.78	
6	PCB-159	43.06	1.21	108	A	29.4	3.55	
6	PCB-160			ND	A	29.4	6.41	
6	PCB-161			ND	A	29.4	6.48	
6	PCB-162	43.38	1.32	6.62	JA	29.4	3.55	
6	PCB-164	40.49	1.17	431	A	29.4	5.94	
6	PCB-165			ND	A	29.4	6.88	
6	PCB-167	43.86	1.27	135		29.4	3.46	
6	PCB-169	48.29	1.04 *	8.34	JI	29.4	3.81	8.34
7	PCB-170	47.70	1.03	3550		29.4	5.99	
7	PCB-171/173	44.13	1.05	1090		58.9	5.56	
7	PCB-172	45.76	1.02	636	A	29.4	3.89	
7	PCB-174	43.04	1.03	4230		29.4	6.26	
7	PCB-175	41.91	0.96	162		29.4	2.92	
7	PCB-176	39.40	1.05	521		29.4	4.11	
7	PCB-177	43.48	1.03	2310		29.4	5.09	
7	PCB-178	41.26	1.02	741		29.4	4.10	
7	PCB-179	38.49	1.04	1690		29.4	4.56	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-21-23-250211**

Lab Sample ID: 10723702017

Lab File ID: Y250318A_10

Matrix: Solid

Percent Solids: 83.29%

Date Collected: 02/11/2025 16:10

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 16:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.2g

Dry Weight Extracted: 8.50g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.43	1.04	9100		58.9	10.8	
7	PCB-181	43.90	1.29 *	6.30	JIA	29.4	3.57	6.30
7	PCB-182			ND		29.4	3.78	
7	PCB-183/185	42.83	1.04	2900		58.9	7.31	
7	PCB-184			ND		29.4	3.23	
7	PCB-186			ND		29.4	3.44	
7	PCB-187	42.18	1.03	4550		29.4	6.69	
7	PCB-188			ND		29.4	2.58	
7	PCB-189	50.86	0.99	105		29.4	3.92	
7	PCB-190	48.24	1.05	783		29.4	3.27	
7	PCB-191	46.78	1.07	147	A	29.4	2.86	
7	PCB-192			ND		29.4	3.33	
8	PCB-194	52.98	0.90	2000		29.4	3.99	
8	PCB-195	50.63	0.90	866		29.4	3.53	
8	PCB-196	49.08	0.87	1100		29.4	3.32	
8	PCB-197/200	45.56	0.89	350		58.9	7.12	
8	PCB-198/199	48.41	0.88	2060		58.9	5.47	
8	PCB-201	44.55	0.90	263		29.4	2.90	
8	PCB-202	43.61	0.89	337		29.4	2.06	
8	PCB-203	49.28	0.89	1240		29.4	4.01	
8	PCB-204			ND		29.4	2.70	
8	PCB-205	53.47	0.88	102		29.4	3.28	
9	PCB-206	55.22	0.79	406		29.4	3.40	
9	PCB-207	51.32	0.77	61.8		29.4	2.68	
9	PCB-208	50.37	0.73	68.3		29.4	2.86	
10	PCB-209	56.85	0.76	19.8	J	29.4	4.39	

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CB Congener Totals Summary

Method 1668A

Page 7 of 7

Client Sample ID: **SB-03-21-23-250211**

Lab Sample ID: 10723702017

Lab File ID: Y250318A_10

Matrix: Solid

Percent Solids: 83.29%

Date Collected: 02/11/2025 16:10

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 16:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 10.2g

Dry Weight Extracted: 8.50g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	197	JB
Total TrCB	185	J
Total TeCB	844	J
Total PeCB	6560	J
Total HxCB	33300	J
Total HpCB	32500	J
Total OcCB	8310	
Total NoCB	536	
DeCB	19.8	J
Total PCBs	82500	

REPORT OF LABORATORY ANALYSIS

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-03-23-25-250211**

Lab Sample ID: 10723702018

Lab File ID: Y250318A_11

Matrix: Solid

Percent Solids: 83.49%

Date Collected: 02/11/2025 16:15

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 17:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 9.52g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.65	2.81	2.00	0.879	44	
1	PCB-003L	12.56	3.34	2.00	0.789	39	
2	PCB-004L	13.11	1.51	2.00	0.966	48	N2
2	PCB-015L	20.30	1.57	2.00	1.41	71	N2
3	PCB-019L	16.73	1.04	2.00	1.32	66	
3	PCB-037L	27.82	1.05	2.00	1.32	66	
4	PCB-054L	20.39	0.77	2.00	0.938	47	
4	PCB-077L	35.37	0.85	2.00	1.96	98	
4	PCB-081L	34.82	0.82	2.00	1.90	95	
5	PCB-104L	26.50	1.57	2.00	0.890	45	
5	PCB-105L	38.91	1.61	2.00	1.60	80	
5	PCB-114L	38.28	1.54	2.00	1.69	85	
5	PCB-118L	37.74	1.68	2.00	1.56	78	
5	PCB-123L	37.40	1.68	2.00	1.59	80	
5	PCB-126L	42.03	1.69	2.00	1.87	94	
6	PCB-155L	32.45	1.27	2.00	0.825	41	
6	PCB-156/157L	45.07	1.21	4.00	2.52	63	
6	PCB-167L	43.91	1.29	2.00	1.32	66	
6	PCB-169L	48.36	1.29	2.00	1.43	72	
7	PCB-188L	38.26	0.99	2.00	0.942	47	
7	PCB-189L	50.91	1.05	2.00	1.16	58	
8	PCB-202L	43.66	0.95	2.00	1.02	51	
8	PCB-205L	53.49	0.91	2.00	1.06	53	
9	PCB-206L	55.26	0.77	2.00	1.10	55	
9	PCB-208L	50.41	0.85	2.00	1.14	57	
10	PCB-209L	56.88	0.72	2.00	1.15	58	
Recovery Standards							
2	PCB-009L	15.41	1.56	2.00	1.01	N/A	
4	PCB-052L	25.47	0.83	2.00	1.61	N/A	
5	PCB-101L	32.67	1.58	2.00	2.12	N/A	
6	PCB-138L	40.87	1.22	2.00	3.05	N/A	
8	PCB-194L	53.02	0.91	2.00	3.55	N/A	
Cleanup Standards							
3	PCB-028L	23.49	1.11	2.00	1.12	56	
5	PCB-111L	35.42	1.67	2.00	1.28	64	
7	PCB-178L	41.33	1.05	2.00	1.31	65	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-03-23-25-250211**

Lab Sample ID: 10723702018

Lab File ID: Y250318A_11

Matrix: Solid

Percent Solids: 83.49%

Date Collected: 02/11/2025 16:15

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 17:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 9.52g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

Ccal File(s): Y250318A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND	A	26.3	40.7	
1	PCB-002			ND	A	26.3	45.9	
1	PCB-003			ND	A	26.3	48.4	
2	PCB-004			ND	AN2	26.3	68.8	
2	PCB-005			ND	AN2	26.3	36.7	
2	PCB-006			ND	AN2	26.3	33.0	
2	PCB-007			ND	AN2	26.3	31.2	
2	PCB-008	16.68	1.52	77.7	AN2	26.3	29.7	
2	PCB-009			ND	AN2	26.3	29.2	
2	PCB-010			ND	AN2	26.3	24.6	
2	PCB-011	19.61	1.60	140	BJN2	257	96.1	
2	PCB-012/013			ND	AN2	52.5	33.6	
2	PCB-014			ND	AN2	26.3	32.8	
2	PCB-015	20.32	1.73	39.4	AN2	34.7	29.0	
3	PCB-016			ND		26.3	7.47	
3	PCB-017	19.51	1.04	27.0		26.3	8.37	
3	PCB-018/030	19.03	0.97	69.0		52.5	18.8	
3	PCB-019			ND	A	26.3	10.4	
3	PCB-020/028	23.51	1.14	118	J	136	28.2	
3	PCB-021/033	23.76	1.09	71.8	J	142	15.4	
3	PCB-022	24.20	1.10	47.2	J	99.8	13.1	
3	PCB-023			ND	A	26.3	9.72	
3	PCB-024			ND		26.3	4.13	
3	PCB-025	22.86	1.19	11.4	JA	26.3	9.76	
3	PCB-026/029	22.59	1.11	21.5	JA	52.5	9.65	
3	PCB-027			ND		26.3	5.06	
3	PCB-031	23.19	1.01	128	J	137	23.9	
3	PCB-032	20.63	1.12	26.8	A	26.3	9.16	
3	PCB-034			ND	A	26.3	9.95	
3	PCB-035			ND	A	26.3	10.1	
3	PCB-036			ND	A	26.3	9.59	
3	PCB-037	27.84	1.10	29.0	JA	55.7	7.73	
3	PCB-038			ND	A	26.3	9.69	
3	PCB-039			ND	A	26.3	9.12	

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **SB-03-23-25-250211**

Lab Sample ID: 10723702018

Lab File ID: Y250318A_11

Matrix: Solid

Percent Solids: 83.49%

Date Collected: 02/11/2025 16:15

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 17:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 9.52g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071	27.62	0.79	84.4		78.8	14.6	
4	PCB-042	27.12	0.65	39.5		26.3	5.82	
4	PCB-043/073			ND		52.5	11.9	
4	PCB-044/047/065	26.55	0.76	294		78.8	22.1	
4	PCB-045/051	23.61	0.74	20.6	J	52.5	10.9	
4	PCB-046	23.93	0.72	5.99	J	26.3	3.66	
4	PCB-048	26.33	0.70	25.5	J	26.3	4.45	
4	PCB-069/049	26.04	0.71	169		52.5	11.7	
4	PCB-050/053	22.87	0.89	21.4	J	52.5	8.82	
4	PCB-052	25.51	0.77	1020		136	24.3	
4	PCB-054			ND	A	26.3	4.43	
4	PCB-055			ND	A	26.3	6.26	
4	PCB-056	31.60	0.89	94.6	A	26.3	6.03	
4	PCB-057			ND	A	26.3	6.00	
4	PCB-058			ND	A	26.3	6.03	
4	PCB-059/062/075	26.91	0.86	9.66	J	78.8	6.18	
4	PCB-060	31.85	0.78	46.2		26.3	6.05	
4	PCB-061/070/074/076	30.58	0.80	652		105	18.1	
4	PCB-063	30.24	0.75	9.26	JA	26.3	5.82	
4	PCB-064	27.89	0.75	98.3		26.3	6.26	
4	PCB-066	30.91	0.82	201		62.0	15.3	
4	PCB-067	29.97	1.06 *	5.98	JIA	26.3	5.42	5.98
4	PCB-068			ND	A	26.3	5.79	
4	PCB-072			ND	A	26.3	5.89	
4	PCB-077	35.39	0.84	12.5	JA	26.3	5.15	
4	PCB-078			ND	A	26.3	6.14	
4	PCB-079	33.79	0.57 *	6.56	JIA	26.3	5.43	6.56
4	PCB-080			ND	A	26.3	5.28	
4	PCB-081			ND	A	26.3	5.07	
5	PCB-082	35.02	1.55	105		26.3	7.76	
5	PCB-083	33.17	1.54	116		26.3	3.16	
5	PCB-084	30.76	1.56	349		26.3	4.74	
5	PCB-085/116/117	34.53	1.59	143		78.8	7.81	
5	PCB-086/087/097/108/119/12	33.88	1.56	1460		158	14.3	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-23-25-250211**

Lab Sample ID: 10723702018

Lab File ID: Y250318A_11

Matrix: Solid

Percent Solids: 83.49%

Date Collected: 02/11/2025 16:15

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 17:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 9.52g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

Ccal File(s): Y250318A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091	30.56	1.41	102		52.5	7.01	
5	PCB-089	31.26	1.56	6.22	J	26.3	3.57	
5	PCB-090/101/113	32.69	1.56	8980		78.8	13.8	
5	PCB-092	32.10	1.54	972		26.3	3.95	
5	PCB-093/098/100/102	30.02	1.68	25.7	J	105	10.1	
5	PCB-094	29.17	1.56	3.89	J	26.3	2.39	
5	PCB-095	29.64	1.55	7050		73.5	16.8	
5	PCB-096			ND		26.3	4.49	
5	PCB-099	33.29	1.55	516		26.3	5.30	
5	PCB-103	28.95	1.25 *	22.1	JI	26.3	3.43	22.1
5	PCB-104			ND		26.3	3.05	
5	PCB-105	38.95	1.53	537	A	26.3	7.18	
5	PCB-106			ND	A	26.3	6.87	
5	PCB-107/124	37.05	1.61	60.3	A	52.5	5.51	
5	PCB-109	37.30	1.59	89.7	A	26.3	6.59	
5	PCB-110/115	34.70	1.57	4530		52.5	9.41	
5	PCB-111			ND		26.3	2.81	
5	PCB-112			ND		26.3	2.86	
5	PCB-114	38.31	1.60	31.2	A	26.3	6.32	
5	PCB-118	37.76	1.56	2240		41.0	6.73	
5	PCB-120	35.91	2.00 *	5.10	JI	26.3	2.98	5.10
5	PCB-121			ND		26.3	2.52	
5	PCB-122	38.09	1.67	12.6	JA	26.3	7.20	
5	PCB-123	37.42	1.60	18.9	JA	26.3	6.68	
5	PCB-126			ND	A	26.3	6.62	
5	PCB-127			ND	A	26.3	6.66	
6	PCB-128/166	42.17	1.26	1510		52.5	5.75	
6	PCB-129/138/163	40.91	1.26	34600		78.8	11.5	
6	PCB-130	40.24	1.26	837	A	26.3	5.63	
6	PCB-131	37.40	1.33	163	A	26.3	5.83	
6	PCB-132	37.86	1.26	8860	A	26.3	5.42	
6	PCB-133	38.36	1.20	306	A	26.3	5.20	
6	PCB-134/143	36.78	1.24	1180	A	52.5	5.77	
6	PCB-135/151	35.64	1.30	14200		52.5	9.74	

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Sample Analysis Summary

Method 1668A

Page 5 of 7

Client Sample ID: **SB-03-23-25-250211**

Lab Sample ID: 10723702018

Lab File ID: Y250318A_11

Matrix: Solid

Percent Solids: 83.49%

Date Collected: 02/11/2025 16:15

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 17:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 9.52g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	33.19	1.27	4410		26.3	5.02	
6	PCB-137	40.47	1.23	105	A	26.3	5.54	
6	PCB-139/140	37.20	1.25	36.5	JA	52.5	4.84	
6	PCB-141	39.84	1.26	9860	A	26.3	4.89	
6	PCB-142			ND	A	26.3	5.65	
6	PCB-144	36.19	1.20	546		26.3	4.24	
6	PCB-145			ND		26.3	2.76	
6	PCB-146	39.01	1.25	4070	A	26.3	4.51	
6	PCB-147/149	36.58	1.28	32000		52.5	12.2	
6	PCB-148			ND		26.3	5.76	
6	PCB-150			ND		26.3	3.11	
6	PCB-152			ND		26.3	3.38	
6	PCB-153/168	39.65	1.26	38700		52.5	8.03	
6	PCB-154	35.91	1.12	34.8		26.3	3.49	
6	PCB-155			ND		26.3	3.13	
6	PCB-156/157	45.09	1.23	1850	A	52.5	7.03	
6	PCB-158	41.31	1.25	2600	A	26.3	3.45	
6	PCB-159	43.13	1.25	553	A	26.3	6.06	
6	PCB-160			ND	A	26.3	3.83	
6	PCB-161			ND	A	26.3	3.87	
6	PCB-162	43.45	1.18	28.2	A	26.3	6.06	
6	PCB-164	40.59	1.26	2110	A	26.3	3.54	
6	PCB-165	38.61	1.16	103	A	26.3	4.11	
6	PCB-167	43.95	1.21	614	A	26.3	5.12	
6	PCB-169	48.36	1.45 *	30.9	IA	26.3	5.44	30.9
7	PCB-170	47.77	1.05	18000	A	26.3	8.25	
7	PCB-171/173	44.20	1.04	5640	A	52.5	8.30	
7	PCB-172	45.83	1.04	3190	A	26.3	8.26	
7	PCB-174	43.11	1.04	22400	A	26.3	7.96	
7	PCB-175	41.98	1.01	774		26.3	2.61	
7	PCB-176	39.50	1.04	2540		26.3	3.67	
7	PCB-177	43.56	1.05	12100	A	26.3	8.43	
7	PCB-178	41.34	1.05	3650		26.3	3.66	
7	PCB-179	38.59	1.06	8120		26.3	4.07	

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Sample Analysis Summary

Method 1668A

Page 6 of 7

Client Sample ID: **SB-03-23-25-250211**

Lab Sample ID: 10723702018

Lab File ID: Y250318A_11

Matrix: Solid

Percent Solids: 83.49%

Date Collected: 02/11/2025 16:15

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/18/2025 17:39

Method Blank ID: BLANK-117861

Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet

Total Amount Extracted: 11.4g

Dry Weight Extracted: 9.52g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 286731-02

Ical ID: Y250318A02

CCal File(s): Y250318A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.50	1.04	46500		52.5	9.68	
7	PCB-181	43.98	0.90	28.2	A	26.3	7.58	
7	PCB-182			ND		26.3	3.37	
7	PCB-183/185	42.89	1.05	15000		52.5	6.52	
7	PCB-184			ND		26.3	2.88	
7	PCB-186			ND		26.3	3.07	
7	PCB-187	42.27	1.04	22400		26.3	5.97	
7	PCB-188			ND		26.3	2.30	
7	PCB-189	50.93	1.02	505	A	26.3	5.19	
7	PCB-190	48.31	1.03	3810	A	26.3	6.39	
7	PCB-191	46.85	1.03	729	A	26.3	6.08	
7	PCB-192			ND	A	26.3	6.45	
8	PCB-194	53.04	0.89	9710	A	26.3	6.63	
8	PCB-195	50.67	0.89	4210	A	26.3	5.37	
8	PCB-196	49.13	0.89	5070		26.3	2.96	
8	PCB-197/200	45.62	0.90	1640		52.5	6.36	
8	PCB-198/199	48.48	0.90	9520		52.5	4.89	
8	PCB-201	44.62	0.90	1280		26.3	2.58	
8	PCB-202	43.68	0.90	1580		26.3	1.84	
8	PCB-203	49.35	0.89	5690		26.3	3.58	
8	PCB-204			ND		26.3	2.41	
8	PCB-205	53.54	0.94	483	A	26.3	5.80	
9	PCB-206	55.28	0.79	1860	A	26.3	3.23	
9	PCB-207	51.38	0.81	268		26.3	2.40	
9	PCB-208	50.43	0.77	280	A	26.3	2.83	
10	PCB-209	56.90	0.68	30.3		26.3	3.92	

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **SB-03-23-25-250211**
Lab Sample ID: 10723702018
Lab File ID: Y250318A_11
Matrix: Solid
Percent Solids: 83.49%
Date Collected: 02/11/2025 16:15
Date Received: 02/13/2025 08:50
Date Extracted: 03/07/2025 12:00
Date Analyzed: 03/18/2025 17:39
Method Blank ID: BLANK-117861
Lab Spike ID(s): LCS-117862

Prep. Technique: Soxhlet
Total Amount Extracted: 11.4g
Dry Weight Extracted: 9.52g
Extract Volume: 200 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: AH5
Instrument ID: 10MSHR12 (Y)
GC Column ID: 286731-02
Ical ID: Y250318A02
CCal File(s): Y250318A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	257	JB
Total TrCB	550	J
Total TeCB	2810	J
Total PeCB	27400	J
Total HxCB	159000	J
Total HpCB	165000	
Total OcCB	39200	
Total NoCB	2410	
DeCB	30.3	
Total PCBs	397000	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-03-25-27-250211**

Lab Sample ID: 10723702019

Lab File ID: Y250319A_04

Matrix: Solid

Percent Solids: 82.44%

Date Collected: 02/11/2025 16:20

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 10:54

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117867

Prep. Technique: Soxhlet

Total Amount Extracted: 10.8g

Dry Weight Extracted: 8.86g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.80	2.98	2.00	1.24	62	
1	PCB-003L	12.77	2.81	2.00	1.39	70	
2	PCB-004L	13.23	1.66	2.00	1.18	59	N2
2	PCB-015L	20.43	1.63	2.00	1.14	57	N2
3	PCB-019L	16.98	0.96	2.00	1.34	67	
3	PCB-037L	28.02	1.12	2.00	1.73	87	
4	PCB-054L	20.64	0.80	2.00	1.08	54	
4	PCB-077L	35.50	0.78	2.00	2.97	149	
4	PCB-081L	34.93	0.79	2.00	2.87	143	
5	PCB-104L	26.70	1.67	2.00	0.909	45	
5	PCB-105L	39.00	1.56	2.00	2.15	108	
5	PCB-114L	38.34	1.59	2.00	2.09	105	
5	PCB-118L	37.82	1.55	2.00	2.06	103	
5	PCB-123L	37.47	1.51	2.00	2.08	104	
5	PCB-126L	42.08	1.62	2.00	2.43	121	
6	PCB-155L	32.59	1.29	2.00	0.847	42	
6	PCB-156/157L	45.09	1.27	4.00	2.98	74	
6	PCB-167L	43.93	1.29	2.00	1.47	73	
6	PCB-169L	48.34	1.28	2.00	1.67	83	
7	PCB-188L	38.31	1.10	2.00	1.06	53	
7	PCB-189L	50.88	1.13	2.00	1.34	67	
8	PCB-202L	43.68	0.89	2.00	1.19	60	
8	PCB-205L	53.47	0.91	2.00	1.27	64	
9	PCB-206L	55.24	0.81	2.00	1.37	68	
9	PCB-208L	50.39	0.80	2.00	1.27	64	
10	PCB-209L	56.85	0.68	2.00	1.39	69	
Recovery Standards							
2	PCB-009L	15.66	1.61	2.00	0.908	N/A	
4	PCB-052L	25.69	0.79	2.00	1.34	N/A	
5	PCB-101L	32.80	1.52	2.00	1.77	N/A	
6	PCB-138L	40.91	1.29	2.00	2.76	N/A	
8	PCB-194L	53.00	0.89	2.00	3.20	N/A	
Cleanup Standards							
3	PCB-028L	23.73	1.07	2.00	1.40	70	
5	PCB-111L	35.52	1.58	2.00	1.72	86	
7	PCB-178L	41.36	1.04	2.00	1.45	72	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-25-27-250211**

Lab Sample ID: 10723702019

Lab File ID: Y250319A_04

Matrix: Solid

Percent Solids: 82.44%

Date Collected: 02/11/2025 16:20

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 10:54

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 10.8g

Dry Weight Extracted: 8.86g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001	9.82	3.60	36.6	A	28.2	36.0	
1	PCB-002			ND	A	28.2	39.4	
1	PCB-003			ND	A	28.2	38.5	
2	PCB-004			ND	AN2	28.2	113	
2	PCB-005			ND	AN2	28.2	44.1	
2	PCB-006			ND	AN2	28.2	39.6	
2	PCB-007			ND	AN2	28.2	37.5	
2	PCB-008	16.81	1.67	167	AN2	28.2	35.7	
2	PCB-009			ND	AN2	28.2	40.5	
2	PCB-010			ND	AN2	28.2	58.2	
2	PCB-011	19.77	1.57	229	BJN2	276	103	
2	PCB-012/013			ND	AN2	56.4	40.3	
2	PCB-014			ND	AN2	28.2	39.3	
2	PCB-015	20.44	1.37	55.8	AN2	37.2	36.4	
3	PCB-016	20.27	1.04	38.3		28.2	8.02	
3	PCB-017	19.77	1.08	37.1		28.2	8.99	
3	PCB-018/030	19.28	1.00	90.5		56.4	20.2	
3	PCB-019			ND	A	28.2	12.6	
3	PCB-020/028	23.75	1.08	180		146	30.2	
3	PCB-021/033	24.00	0.94	97.7	J	152	16.6	
3	PCB-022	24.43	1.02	61.6	J	107	14.1	
3	PCB-023			ND	A	28.2	7.05	
3	PCB-024			ND		28.2	4.43	
3	PCB-025	23.09	0.83 *	9.48	JIA	28.2	7.18	9.48
3	PCB-026/029	22.82	1.15	26.2	J	56.4	7.20	
3	PCB-027			ND		28.2	5.44	
3	PCB-031	23.44	1.05	176		147	25.6	
3	PCB-032	20.88	1.04	31.1		28.2	8.78	
3	PCB-034			ND	A	28.2	7.41	
3	PCB-035	27.60	1.30 *	10.4	JIA	28.2	8.65	10.4
3	PCB-036			ND	A	28.2	7.51	
3	PCB-037	28.04	1.04	39.0	J	59.8	6.69	
3	PCB-038			ND	A	28.2	7.54	
3	PCB-039			ND	A	28.2	7.17	

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **SB-03-25-27-250211**

Lab Sample ID: 10723702019

Lab File ID: Y250319A_04

Matrix: Solid

Percent Solids: 82.44%

Date Collected: 02/11/2025 16:20

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 10:54

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 10.8g

Dry Weight Extracted: 8.86g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

Ccal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071	27.82	0.82	105		84.6	15.7	
4	PCB-042	27.32	0.81	48.3		28.2	6.25	
4	PCB-043/073			ND		56.4	12.8	
4	PCB-044/047/065	26.76	0.82	374		84.6	23.7	
4	PCB-045/051	23.83	0.76	24.1	J	56.4	11.7	
4	PCB-046	24.15	0.94 *	7.67	JI	28.2	3.93	7.67
4	PCB-048	26.55	0.85	32.7		28.2	4.78	
4	PCB-069/049	26.26	0.82	210		56.4	12.5	
4	PCB-050/053	23.11	0.81	25.4	J	56.4	9.47	
4	PCB-052	25.72	0.81	1350		146	26.1	
4	PCB-054			ND	A	28.2	4.12	
4	PCB-055			ND	A	28.2	4.84	
4	PCB-056	31.75	0.81	150		28.2	6.39	
4	PCB-057			ND	A	28.2	4.68	
4	PCB-058			ND	A	28.2	4.73	
4	PCB-059/062/075	27.10	0.79	10.7	J	84.6	6.64	
4	PCB-060	31.98	0.79	65.5		28.2	6.50	
4	PCB-061/070/074/076	30.74	0.75	975		113	19.4	
4	PCB-063	30.42	0.77	13.0	JA	28.2	4.49	
4	PCB-064	28.07	0.71	124		28.2	6.73	
4	PCB-066	31.06	0.76	334		66.6	16.5	
4	PCB-067	30.16	0.70	9.91	JA	28.2	4.31	
4	PCB-068	28.97	0.79	5.38	JA	28.2	4.46	
4	PCB-072			ND	A	28.2	3.84	
4	PCB-077	35.52	0.65	16.4	JA	28.2	4.23	
4	PCB-078			ND	A	28.2	5.09	
4	PCB-079	33.91	0.75	11.7	JA	28.2	4.41	
4	PCB-080			ND	A	28.2	4.14	
4	PCB-081			ND	A	28.2	3.92	
5	PCB-082	35.14	1.65	158		28.2	8.34	
5	PCB-083	33.29	1.64	152	A	28.2	4.66	
5	PCB-084	30.93	1.60	532		28.2	5.09	
5	PCB-085/116/117	34.65	1.74	232		84.6	8.38	
5	PCB-086/087/097/108/119/12	34.00	1.55	2420		169	15.3	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-25-27-250211**

Lab Sample ID: 10723702019

Lab File ID: Y250319A_04

Matrix: Solid

Percent Solids: 82.44%

Date Collected: 02/11/2025 16:20

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 10:54

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 10.8g

Dry Weight Extracted: 8.86g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091	30.71	1.72	155		56.4	7.53	
5	PCB-089	31.40	1.30 *	9.93	JIA	28.2	4.48	9.93
5	PCB-090/101/113	32.82	1.56	14300		84.6	14.8	
5	PCB-092	32.25	1.53	1590		28.2	4.24	
5	PCB-093/098/100/102	30.19	1.43	36.1	J	113	10.8	
5	PCB-094			ND	A	28.2	4.59	
5	PCB-095	29.82	1.57	11000		79.0	18.1	
5	PCB-096	27.08	1.61	5.50	J	28.2	4.82	
5	PCB-099	33.43	1.57	932		28.2	5.69	
5	PCB-103	29.13	1.50	54.9		28.2	3.68	
5	PCB-104			ND		28.2	3.27	
5	PCB-105	39.01	1.57	951	A	28.2	26.2	
5	PCB-106			ND	A	28.2	27.8	
5	PCB-107/124	37.14	1.49	105	A	56.4	6.95	
5	PCB-109	37.39	1.57	163	A	28.2	26.3	
5	PCB-110/115	34.82	1.53	7450		56.4	10.1	
5	PCB-111			ND		28.2	3.01	
5	PCB-112			ND		28.2	3.07	
5	PCB-114	38.38	1.34	43.8	A	28.2	26.8	
5	PCB-118	37.84	1.56	3920	A	44.0	26.8	
5	PCB-120	36.02	1.55	10.8	J	28.2	3.20	
5	PCB-121			ND	A	28.2	3.10	
5	PCB-122			ND	A	28.2	30.3	
5	PCB-123	37.50	1.53	33.8	A	28.2	27.2	
5	PCB-126			ND	A	28.2	27.1	
5	PCB-127			ND	A	28.2	27.8	
6	PCB-128/166	42.20	1.23	2530	A	56.4	39.9	
6	PCB-129/138/163	40.94	1.26	57500	A	84.6	41.7	
6	PCB-130	40.29	1.23	1350	A	28.2	48.9	
6	PCB-131	37.47	1.13	269	A	28.2	51.3	
6	PCB-132	37.92	1.25	15100	A	28.2	47.9	
6	PCB-133	38.43	1.25	521	A	28.2	46.7	
6	PCB-134/143	36.87	1.25	2000	A	56.4	51.5	
6	PCB-135/151	35.74	1.26	23600		56.4	10.5	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-25-27-250211**

Lab Sample ID: 10723702019

Lab File ID: Y250319A_04

Matrix: Solid

Percent Solids: 82.44%

Date Collected: 02/11/2025 16:20

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 10:54

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 10.8g

Dry Weight Extracted: 8.86g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	33.31	1.28	7470		28.2	5.39	
6	PCB-137	40.52	1.29	179	A	28.2	45.8	
6	PCB-139/140	37.27	1.19	70.1	A	56.4	43.0	
6	PCB-141	39.89	1.27	16700	A	28.2	44.1	
6	PCB-142			ND	A	28.2	50.7	
6	PCB-144	36.31	1.25	3110		28.2	4.56	
6	PCB-145			ND		28.2	2.97	
6	PCB-146	39.08	1.26	6880	A	28.2	39.3	
6	PCB-147/149	36.67	1.26	54900		56.4	13.1	
6	PCB-148	35.15	0.99 *	7.39	JI	28.2	6.18	7.39
6	PCB-150	32.96	1.62 *	4.74	JI	28.2	3.34	4.74
6	PCB-152			ND		28.2	3.63	
6	PCB-153/168	39.70	1.27	63500	A	56.4	35.6	
6	PCB-154	36.01	1.19	70.2		28.2	3.75	
6	PCB-155			ND		28.2	3.36	
6	PCB-156/157	45.09	1.24	3010	A	56.4	7.79	
6	PCB-158	41.34	1.27	4360	A	28.2	30.5	
6	PCB-159	43.16	1.23	984	A	28.2	6.75	
6	PCB-160			ND	A	28.2	34.5	
6	PCB-161			ND	A	28.2	34.8	
6	PCB-162	43.46	1.35	36.9	A	28.2	7.08	
6	PCB-164	40.62	1.27	3530	A	28.2	31.6	
6	PCB-165	38.68	1.23	173	A	28.2	36.4	
6	PCB-167	43.97	1.23	1050	A	28.2	6.20	
6	PCB-169	48.36	1.45 *	42.6	IA	28.2	6.03	42.6
7	PCB-170	47.75	1.04	29900	A	28.2	6.19	
7	PCB-171/173	44.22	1.03	9320	A	56.4	6.19	
7	PCB-172	45.84	1.05	5210	A	28.2	6.11	
7	PCB-174	43.14	1.04	35900		28.2	6.00	
7	PCB-175	42.01	1.06	1280		28.2	2.80	
7	PCB-176	39.55	1.04	4240		28.2	3.94	
7	PCB-177	43.58	1.04	20200	A	28.2	6.31	
7	PCB-178	41.38	1.03	6100		28.2	3.93	
7	PCB-179	38.66	1.07	13700		28.2	4.37	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-25-27-250211**

Lab Sample ID: 10723702019

Lab File ID: Y250319A_04

Matrix: Solid

Percent Solids: 82.44%

Date Collected: 02/11/2025 16:20

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 10:54

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 10.8g

Dry Weight Extracted: 8.86g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.50	1.03	78600		56.4	10.4	
7	PCB-181	44.00	1.06	50.2	A	28.2	5.76	
7	PCB-182			ND		28.2	3.62	
7	PCB-183/185	42.93	1.03	25600		56.4	7.01	
7	PCB-184			ND		28.2	3.09	
7	PCB-186			ND		28.2	3.29	
7	PCB-187	42.30	1.04	37000		28.2	6.41	
7	PCB-188			ND		28.2	2.47	
7	PCB-189	50.91	1.00	827	A	28.2	5.08	
7	PCB-190	48.31	1.04	6570	A	28.2	4.84	
7	PCB-191	46.85	1.06	1220	A	28.2	4.59	
7	PCB-192			ND	A	28.2	4.83	
8	PCB-194	53.02	0.89	16500		28.2	3.83	
8	PCB-195	50.67	0.89	6960	A	28.2	3.78	
8	PCB-196	49.13	0.88	8840		28.2	3.18	
8	PCB-197/200	45.64	0.89	2750		56.4	6.83	
8	PCB-198/199	48.46	0.89	16600		56.4	5.25	
8	PCB-201	44.64	0.88	2090		28.2	2.78	
8	PCB-202	43.70	0.88	2700		28.2	1.97	
8	PCB-203	49.33	0.88	9960		28.2	3.85	
8	PCB-204			ND		28.2	2.58	
8	PCB-205	53.49	0.91	805		28.2	3.15	
9	PCB-206	55.26	0.79	3070		28.2	3.26	
9	PCB-207	51.36	0.75	477		28.2	2.57	
9	PCB-208	50.41	0.79	511		28.2	2.74	
10	PCB-209	56.88	0.71	45.2		28.2	4.21	

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **SB-03-25-27-250211**

Lab Sample ID: 10723702019

Lab File ID: Y250319A_04

Matrix: Solid

Percent Solids: 82.44%

Date Collected: 02/11/2025 16:20

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 10:54

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 10.8g

Dry Weight Extracted: 8.86g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	36.6	
Total DiCB	451	JB
Total TrCB	778	J
Total TeCB	3880	J
Total PeCB	44200	J
Total HxCB	269000	J
Total HpCB	276000	
Total OcCB	67200	
Total NoCB	4050	
DeCB	45.2	
Total PCBs	665000	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-03-FD-250211**

Lab Sample ID: 10723702020

Lab File ID: Y250319A_09

Matrix: Solid

Percent Solids: 83.61%

Date Collected: 02/11/2025 16:25

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 16:02

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117867

Prep. Technique: Soxhlet

Total Amount Extracted: 13.7g

Dry Weight Extracted: 11.4g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.88	3.03	2.00	1.27	64	N2
1	PCB-003L	12.81	2.74	2.00	1.74	87	N2
2	PCB-004L	13.12	1.43	2.00	1.25	62	N2
2	PCB-015L	20.36	1.46	2.00	1.65	83	N2
3	PCB-019L	17.00	0.92	2.00	1.42	71	N2
3	PCB-037L	27.99	1.04	2.00	1.60	80	N2
4	PCB-054L	20.65	0.79	2.00	1.04	52	N2
4	PCB-077L	35.43	0.79	2.00	2.89	145	N2
4	PCB-081L	34.87	0.81	2.00	2.83	141	N2
5	PCB-104L	26.67	1.60	2.00	0.975	49	N2
5	PCB-105L	38.90	1.61	2.00	2.33	116	N2
5	PCB-114L	38.27	1.55	2.00	2.25	113	N2
5	PCB-118L	37.73	1.62	2.00	2.25	112	N2
5	PCB-123L	37.39	1.61	2.00	2.16	108	N2
5	PCB-126L	41.99	1.58	2.00	2.55	127	N2
6	PCB-155L	32.82	1.26	2.00	0.728	36	
6	PCB-156/157L	45.19	1.33	4.00	3.66	92	
6	PCB-167L	44.05	1.22	2.00	1.87	93	
6	PCB-169L	48.43	1.28	2.00	2.08	104	
7	PCB-188L	38.48	1.12	2.00	1.01	50	
7	PCB-189L	50.95	1.04	2.00	1.53	76	
8	PCB-202L	43.78	0.88	2.00	1.12	56	
8	PCB-205L	53.54	0.92	2.00	1.33	66	
9	PCB-206L	55.28	0.86	2.00	1.31	65	
9	PCB-208L	50.45	0.83	2.00	1.28	64	
10	PCB-209L	56.90	0.69	2.00	1.15	58	
Recovery Standards							
2	PCB-009L	16.00	1.54	2.00	1.17	N/A	
4	PCB-052L	26.06	0.73	2.00	1.22	N/A	
5	PCB-101L	33.04	1.66	2.00	1.67	N/A	
6	PCB-138L	41.06	1.24	2.00	2.96	N/A	
8	PCB-194L	53.06	0.87	2.00	3.54	N/A	
Cleanup Standards							
3	PCB-028L	24.12	1.08	2.00	1.67	84	
5	PCB-111L	35.72	1.56	2.00	1.95	97	
7	PCB-178L	41.48	1.09	2.00	1.35	68	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-03-FD-250211**

Lab Sample ID: 10723702020

Lab File ID: Y250319A_09

Matrix: Solid

Percent Solids: 83.61%

Date Collected: 02/11/2025 16:25

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 16:02

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 13.7g

Dry Weight Extracted: 11.4g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND	AN2	21.9	49.2	
1	PCB-002			ND	AN2	21.9	45.3	
1	PCB-003			ND	AN2	21.9	38.7	
2	PCB-004			ND	AN2	21.9	78.5	
2	PCB-005			ND	AN2	21.9	23.6	
2	PCB-006	16.17	1.43	31.0	AN2	21.9	21.0	
2	PCB-007			ND	AN2	21.9	20.1	
2	PCB-008	16.71	1.54	134	AN2	21.9	18.9	
2	PCB-009			ND	AN2	21.9	24.4	
2	PCB-010			ND	AN2	21.9	45.2	
2	PCB-011	19.67	1.41	190	BJN2	214	96.2	
2	PCB-012/013			ND	AN2	43.7	19.7	
2	PCB-014			ND	AN2	21.9	21.9	
2	PCB-015	20.38	1.54	73.5	AN2	28.9	19.0	
3	PCB-016	20.27	1.01	46.6	AN2	21.9	9.78	
3	PCB-017	19.78	0.94	51.4	N2	21.9	5.25	
3	PCB-018/030	19.30	1.08	134	N2	43.7	11.3	
3	PCB-019	17.04	1.00	12.4	JAN2	21.9	7.54	
3	PCB-020/028	23.75	0.98	193	N2	113	28.4	
3	PCB-021/033	23.99	0.93	103	JN2	118	16.2	
3	PCB-022	24.42	0.98	73.4	JN2	83.1	13.6	
3	PCB-023			ND	AN2	21.9	7.30	
3	PCB-024			ND	N2	21.9	3.11	
3	PCB-025	23.12	0.91	11.2	JAN2	21.9	7.23	
3	PCB-026/029	22.83	0.98	25.2	JAN2	43.7	6.88	
3	PCB-027			ND	N2	21.9	3.58	
3	PCB-031	23.45	0.97	209	N2	114	23.9	
3	PCB-032	20.89	1.12	31.8	AN2	21.9	10.8	
3	PCB-034			ND	AN2	21.9	7.74	
3	PCB-035	27.58	1.17	12.1	JAN2	21.9	7.63	
3	PCB-036			ND	AN2	21.9	7.19	
3	PCB-037	28.01	0.88	46.2	JN2	46.3	7.27	
3	PCB-038			ND	AN2	21.9	7.44	
3	PCB-039			ND	AN2	21.9	7.47	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-FD-250211**

Lab Sample ID: 10723702020

Lab File ID: Y250319A_09

Matrix: Solid

Percent Solids: 83.61%

Date Collected: 02/11/2025 16:25

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 16:02

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 13.7g

Dry Weight Extracted: 11.4g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071	27.79	0.85	131	N2	65.6	11.1	
4	PCB-042	27.29	0.74	70.3	N2	21.9	6.24	
4	PCB-043/073			ND	N2	43.7	10.9	
4	PCB-044/047/065	26.74	0.78	488	N2	65.6	23.6	
4	PCB-045/051	23.82	0.89	29.7	JN2	43.7	6.82	
4	PCB-046	24.14	0.84	8.00	JN2	21.9	3.12	
4	PCB-048	26.52	0.69	45.7	N2	21.9	3.90	
4	PCB-069/049	26.25	0.72	250	N2	43.7	11.4	
4	PCB-050/053	23.10	0.70	29.3	JN2	43.7	6.08	
4	PCB-052	25.71	0.76	1920	N2	113	21.4	
4	PCB-054			ND	N2	21.9	2.93	
4	PCB-055			ND	AN2	21.9	6.02	
4	PCB-056	31.69	0.77	148	N2	21.9	7.16	
4	PCB-057			ND	AN2	21.9	5.86	
4	PCB-058			ND	AN2	21.9	6.04	
4	PCB-059/062/075	27.07	0.69	11.9	JN2	65.6	8.60	
4	PCB-060	31.92	0.78	76.0	AN2	21.9	5.92	
4	PCB-061/070/074/076	30.68	0.81	929	N2	87.4	24.8	
4	PCB-063	30.36	0.79	12.4	JAN2	21.9	5.83	
4	PCB-064	28.05	0.74	146	N2	21.9	8.92	
4	PCB-066	31.02	0.87	349	N2	51.6	15.3	
4	PCB-067	30.11	0.65	7.20	JAN2	21.9	4.69	
4	PCB-068			ND	AN2	21.9	5.64	
4	PCB-072			ND	AN2	21.9	5.63	
4	PCB-077	35.44	0.86	20.6	JAN2	21.9	4.34	
4	PCB-078			ND	AN2	21.9	6.52	
4	PCB-079	33.95	0.81	78.8	AN2	21.9	5.48	
4	PCB-080			ND	AN2	21.9	4.73	
4	PCB-081	34.91	1.10 *	4.96	JIAN2	21.9	4.44	4.96
5	PCB-082	35.06	1.57	275	N2	21.9	6.72	
5	PCB-083	33.23	1.52	287	N2	21.9	3.65	
5	PCB-084	30.87	1.56	534	N2	21.9	4.38	
5	PCB-085/116/117	34.57	1.50	306	N2	65.6	8.83	
5	PCB-086/087/097/108/119/12	33.94	1.55	2860	N2	131	17.0	

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Sample Analysis Summary

Method 1668A

Page 4 of 7

Client Sample ID: **SB-03-FD-250211**

Lab Sample ID: 10723702020

Lab File ID: Y250319A_09

Matrix: Solid

Percent Solids: 83.61%

Date Collected: 02/11/2025 16:25

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 16:02

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 13.7g

Dry Weight Extracted: 11.4g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091	30.67	1.78	172	N2	43.7	5.89	
5	PCB-089			ND	N2	21.9	3.59	
5	PCB-090/101/113	32.76	1.56	17400	N2	65.6	10.8	
5	PCB-092			ND	N2	21.9	3.41	
5	PCB-093/098/100/102	30.15	1.63	16.3	JN2	87.4	12.2	
5	PCB-094			ND	N2	21.9	2.96	
5	PCB-095	29.76	1.57	14900	N2	61.2	14.1	
5	PCB-096	27.06	1.59	6.57	JN2	21.9	3.73	
5	PCB-099	33.35	1.53	1200	N2	21.9	5.67	
5	PCB-103	29.09	1.42	62.4	N2	21.9	3.47	
5	PCB-104			ND	N2	21.9	2.53	
5	PCB-105	38.92	1.55	935	AN2	21.9	11.2	
5	PCB-106			ND	AN2	21.9	13.3	
5	PCB-107/124	37.06	1.75	114	AN2	43.7	12.8	
5	PCB-109	37.31	1.61	161	AN2	21.9	10.6	
5	PCB-110/115	34.76	1.57	9180	N2	43.7	12.6	
5	PCB-111			ND	N2	21.9	2.94	
5	PCB-112			ND	N2	21.9	3.86	
5	PCB-114	38.30	1.74	53.0	AN2	21.9	11.8	
5	PCB-118	37.76	1.61	4740	AN2	34.1	11.0	
5	PCB-120			ND	AN2	21.9	12.7	
5	PCB-121			ND	N2	21.9	3.37	
5	PCB-122	38.08	1.70	36.1	AN2	21.9	16.8	
5	PCB-123	37.43	1.71	25.7	AN2	21.9	11.6	
5	PCB-126			ND	AN2	21.9	11.2	
5	PCB-127			ND	AN2	21.9	13.2	
6	PCB-128/166	42.33	1.25	2860	A	43.7	22.3	
6	PCB-129/138/163	41.08	1.26	60900	A	65.6	23.3	
6	PCB-130	40.44	1.25	1440	A	21.9	27.3	
6	PCB-131	37.66	1.21	280	A	21.9	28.6	
6	PCB-132	38.09	1.27	16000	A	21.9	26.7	
6	PCB-133	38.60	1.28	552	A	21.9	26.1	
6	PCB-134/143	37.05	1.27	2060	A	43.7	28.7	
6	PCB-135/151	35.94	1.29	18500		43.7	8.10	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-FD-250211**

Lab Sample ID: 10723702020

Lab File ID: Y250319A_09

Matrix: Solid

Percent Solids: 83.61%

Date Collected: 02/11/2025 16:25

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 16:02

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 13.7g

Dry Weight Extracted: 11.4g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	33.56	1.29	5720		21.9	4.18	
6	PCB-137	40.64	1.22	130	A	21.9	25.6	
6	PCB-139/140	37.45	1.27	67.8	A	43.7	24.0	
6	PCB-141	40.04	1.28	17700	A	21.9	24.6	
6	PCB-142			ND	A	21.9	28.3	
6	PCB-144	36.55	1.26	2780		21.9	3.53	
6	PCB-145			ND		21.9	2.30	
6	PCB-146	39.23	1.27	7320	A	21.9	21.9	
6	PCB-147/149	36.87	1.27	56100	A	43.7	10.3	
6	PCB-148	35.35	1.10	6.47	J	21.9	4.79	
6	PCB-150	33.19	1.32	3.55	J	21.9	2.59	
6	PCB-152			ND		21.9	2.82	
6	PCB-153/168	39.85	1.27	69000	A	43.7	19.9	
6	PCB-154	36.42	1.20	39.9		21.9	2.90	
6	PCB-155			ND		21.9	2.61	
6	PCB-156/157	45.19	1.23	3470	A	43.7	7.76	
6	PCB-158	41.48	1.27	4600	A	21.9	17.0	
6	PCB-159	43.26	1.24	946	A	21.9	9.17	
6	PCB-160			ND	A	21.9	19.3	
6	PCB-161			ND	A	21.9	19.4	
6	PCB-162	43.58	1.18	39.3	A	21.9	7.60	
6	PCB-164	40.77	1.27	3870	A	21.9	17.7	
6	PCB-165			ND	A	21.9	20.3	
6	PCB-167	44.07	1.20	1180	A	21.9	5.66	
6	PCB-169	48.44	0.76 *	45.3	IA	21.9	5.84	45.3
7	PCB-170	47.84	1.04	35200	A	21.9	6.85	
7	PCB-171/173	44.33	1.04	11100	A	43.7	6.86	
7	PCB-172	45.74	1.02	74.4	A	21.9	6.76	
7	PCB-174	43.24	1.06	43100	A	21.9	6.30	
7	PCB-175	42.13	1.06	1300		21.9	2.17	
7	PCB-176	39.70	1.06	4150		21.9	3.05	
7	PCB-177	43.70	1.05	24200	A	21.9	6.98	
7	PCB-178	41.51	1.06	6150		21.9	3.04	
7	PCB-179	38.83	1.06	13500		21.9	3.38	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-FD-250211**

Lab Sample ID: 10723702020

Lab File ID: Y250319A_09

Matrix: Solid

Percent Solids: 83.61%

Date Collected: 02/11/2025 16:25

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 16:02

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 13.7g

Dry Weight Extracted: 11.4g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.58	1.05	92200		43.7	8.05	
7	PCB-181	44.10	0.98	62.7	A	21.9	6.38	
7	PCB-182			ND		21.9	2.81	
7	PCB-183/185	43.03	1.05	30200		43.7	5.43	
7	PCB-184			ND		21.9	2.40	
7	PCB-186			ND		21.9	2.55	
7	PCB-187	42.62	1.10	19.4	J	21.9	4.97	
7	PCB-188			ND		21.9	1.91	
7	PCB-189	50.97	1.05	914	A	21.9	4.91	
7	PCB-190	48.39	1.05	7570	A	21.9	5.36	
7	PCB-191	46.95	1.08	1420	A	21.9	5.08	
7	PCB-192	45.93	1.05	4880	A	21.9	5.35	
8	PCB-194	53.08	0.90	20300	A	21.9	5.75	
8	PCB-195	50.73	0.89	8670	A	21.9	6.02	
8	PCB-196	49.20	0.89	9270		21.9	2.47	
8	PCB-197/200	45.73	0.88	2950		43.7	5.29	
8	PCB-198/199	48.54	0.88	17500		43.7	4.07	
8	PCB-201	44.74	0.88	2260		21.9	2.15	
8	PCB-202	43.80	0.90	3050	A	21.9	2.08	
8	PCB-203	49.40	0.90	10300		21.9	2.98	
8	PCB-204			ND		21.9	2.00	
8	PCB-205	53.56	0.93	923	A	21.9	4.91	
9	PCB-206	55.30	0.77	3400	A	21.9	3.89	
9	PCB-207	51.42	0.78	528	A	21.9	2.77	
9	PCB-208	50.48	0.80	561	A	21.9	2.81	
10	PCB-209	56.92	0.86 *	44.7	I	21.9	3.26	44.7

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **SB-03-FD-250211**

Lab Sample ID: 10723702020

Lab File ID: Y250319A_09

Matrix: Solid

Percent Solids: 83.61%

Date Collected: 02/11/2025 16:25

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 16:02

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 13.7g

Dry Weight Extracted: 11.4g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	428	JB
Total TrCB	949	J
Total TeCB	4750	J
Total PeCB	53200	J
Total HxCB	275000	J
Total HpCB	276000	J
Total OcCB	75200	
Total NoCB	4490	
DeCB	ND	
Total PCBs	691000	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-03-27-29-250211**

Lab Sample ID: 10723702021

Lab File ID: Y250319A_10

Matrix: Solid

Percent Solids: 74.61%

Date Collected: 02/11/2025 16:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 17:02

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117867

Prep. Technique: Soxhlet

Total Amount Extracted: 15.8g

Dry Weight Extracted: 11.8g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.78	2.94	2.00	1.32	66	
1	PCB-003L	12.75	3.16	2.00	1.26	63	
2	PCB-004L	13.24	1.58	2.00	1.57	78	N2
2	PCB-015L	20.42	1.49	2.00	2.03	101	N2
3	PCB-019L	17.12	1.15	2.00	1.34	67	N2
3	PCB-037L	28.05	1.10	2.00	1.64	82	N2
4	PCB-054L	20.61	0.84	2.00	1.17	58	
4	PCB-077L	35.54	0.79	2.00	2.86	143	
4	PCB-081L	34.92	0.85	2.00	2.75	137	
5	PCB-104L	26.65	1.68	2.00	0.879	44	
5	PCB-105L	39.01	1.59	2.00	2.13	107	
5	PCB-114L	38.36	1.52	2.00	2.00	100	
5	PCB-118L	37.82	1.62	2.00	2.01	101	
5	PCB-123L	37.49	1.57	2.00	1.94	97	
5	PCB-126L	42.08	1.54	2.00	2.23	112	
6	PCB-155L	32.54	1.26	2.00	0.856	43	
6	PCB-156/157L	45.11	1.29	4.00	3.34	83	
6	PCB-167L	43.95	1.23	2.00	1.69	85	
6	PCB-169L	48.37	1.29	2.00	1.89	95	
7	PCB-188L	38.33	1.09	2.00	1.06	53	
7	PCB-189L	50.91	1.13	2.00	1.46	73	
8	PCB-202L	43.70	0.86	2.00	1.10	55	
8	PCB-205L	53.49	0.91	2.00	1.34	67	
9	PCB-206L	55.24	0.81	2.00	1.27	63	
9	PCB-208L	50.41	0.79	2.00	1.23	61	
10	PCB-209L	56.88	0.75	2.00	1.12	56	
Recovery Standards							
2	PCB-009L	15.70	1.66	2.00	1.34	N/A	
4	PCB-052L	25.66	0.82	2.00	1.66	N/A	
5	PCB-101L	32.77	1.66	2.00	2.15	N/A	
6	PCB-138L	40.93	1.25	2.00	2.84	N/A	
8	PCB-194L	53.02	0.93	2.00	3.31	N/A	
Cleanup Standards							
3	PCB-028L	23.68	0.97	2.00	1.72	86	
5	PCB-111L	35.55	1.73	2.00	1.71	85	
7	PCB-178L	41.38	1.09	2.00	1.41	70	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-03-27-29-250211**

Lab Sample ID: 10723702021

Lab File ID: Y250319A_10

Matrix: Solid

Percent Solids: 74.61%

Date Collected: 02/11/2025 16:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 17:02

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 15.8g

Dry Weight Extracted: 11.8g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND	A	21.2	29.3	
1	PCB-002			ND	A	21.2	34.6	
1	PCB-003			ND	A	21.2	31.6	
2	PCB-004			ND	AN2	21.2	34.6	
2	PCB-005			ND	AN2	21.2	19.6	
2	PCB-006	16.31	1.48	17.1	JAN2	21.2	9.97	
2	PCB-007			ND	AN2	21.2	16.6	
2	PCB-008	16.82	1.45	73.9	AN2	21.2	15.7	
2	PCB-009			ND	AN2	21.2	13.1	
2	PCB-010			ND	AN2	21.2	18.8	
2	PCB-011	19.75	1.55	162	BJN2	208	77.5	
2	PCB-012/013			ND	AN2	42.4	17.6	
2	PCB-014			ND	AN2	21.2	16.9	
2	PCB-015	20.44	1.59	32.1	AN2	28.0	14.3	
3	PCB-016	20.35	1.11	21.0	JN2	21.2	6.02	
3	PCB-017	19.85	1.07	23.9	N2	21.2	6.75	
3	PCB-018/030	19.37	0.95	58.1	N2	42.4	15.2	
3	PCB-019			ND	AN2	21.2	4.60	
3	PCB-020/028	23.79	1.12	96.9	JN2	109	22.7	
3	PCB-021/033	24.04	1.03	53.0	JN2	114	12.5	
3	PCB-022	24.48	1.18	33.4	JN2	80.5	10.6	
3	PCB-023			ND	AN2	21.2	5.60	
3	PCB-024			ND	N2	21.2	3.33	
3	PCB-025	23.14	1.15	7.60	JAN2	21.2	5.51	
3	PCB-026/029	22.89	1.07	13.9	JAN2	42.4	5.46	
3	PCB-027			ND	N2	21.2	4.08	
3	PCB-031	23.49	1.05	101	JN2	110	19.2	
3	PCB-032	20.96	0.95	19.5	JN2	21.2	6.59	
3	PCB-034			ND	AN2	21.2	5.64	
3	PCB-035			ND	AN2	21.2	5.76	
3	PCB-036			ND	AN2	21.2	5.40	
3	PCB-037	28.08	1.13	23.1	JN2	44.9	5.02	
3	PCB-038			ND	AN2	21.2	5.35	
3	PCB-039			ND	AN2	21.2	5.06	

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **SB-03-27-29-250211**

Lab Sample ID: 10723702021

Lab File ID: Y250319A_10

Matrix: Solid

Percent Solids: 74.61%

Date Collected: 02/11/2025 16:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 17:02

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 15.8g

Dry Weight Extracted: 11.8g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071	27.77	0.78	58.7	J	63.5	11.8	
4	PCB-042	27.28	0.95 *	28.2	I	21.2	4.69	28.2
4	PCB-043/073			ND		42.4	9.57	
4	PCB-044/047/065	26.71	0.80	196		63.5	17.8	
4	PCB-045/051	23.78	0.98 *	13.3	JI	42.4	8.81	13.3
4	PCB-046	24.08	0.81	4.73	J	21.2	2.95	
4	PCB-048	26.50	0.79	18.9	J	21.2	3.59	
4	PCB-069/049	26.21	0.82	116		42.4	9.40	
4	PCB-050/053	23.04	0.68	14.5	J	42.4	7.11	
4	PCB-052	25.67	0.80	691		109	19.6	
4	PCB-054			ND	A	21.2	3.76	
4	PCB-055			ND	A	21.2	5.39	
4	PCB-056	31.72	0.86	72.7	A	21.2	5.43	
4	PCB-057			ND	A	21.2	4.70	
4	PCB-058			ND	A	21.2	5.26	
4	PCB-059/062/075	27.07	0.94 *	6.62	JI	63.5	4.98	6.62
4	PCB-060	31.95	0.83	31.7	A	21.2	5.36	
4	PCB-061/070/074/076	30.71	0.81	471		84.7	14.6	
4	PCB-063	30.39	0.65	6.51	JA	21.2	5.00	
4	PCB-064	28.04	0.76	69.6		21.2	5.05	
4	PCB-066	31.04	0.80	162		50.0	12.4	
4	PCB-067			ND	A	21.2	4.79	
4	PCB-068			ND	A	21.2	4.96	
4	PCB-072			ND	A	21.2	4.71	
4	PCB-077	35.55	0.73	9.27	JA	21.2	5.51	
4	PCB-078			ND	A	21.2	5.66	
4	PCB-079	33.91	0.82	8.02	JA	21.2	4.90	
4	PCB-080			ND	A	21.2	4.60	
4	PCB-081			ND	A	21.2	4.08	
5	PCB-082	35.12	1.51	50.8		21.2	6.26	
5	PCB-083	33.29	1.68	84.4		21.2	2.55	
5	PCB-084	30.89	1.60	270		21.2	3.82	
5	PCB-085/116/117	34.63	1.59	103		63.5	6.30	
5	PCB-086/087/097/108/119/12	34.00	1.53	1100		127	11.5	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-27-29-250211**

Lab Sample ID: 10723702021

Lab File ID: Y250319A_10

Matrix: Solid

Percent Solids: 74.61%

Date Collected: 02/11/2025 16:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 17:02

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 15.8g

Dry Weight Extracted: 11.8g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091	30.69	1.50	75.7		42.4	5.65	
5	PCB-089	31.36	1.69	4.48	J	21.2	2.88	
5	PCB-090/101/113	32.81	1.56	6990		63.5	11.1	
5	PCB-092			ND		21.2	3.19	
5	PCB-093/098/100/102	30.17	1.72	21.5	J	84.7	8.14	
5	PCB-094			ND		21.2	1.92	
5	PCB-095	29.82	1.56	5110		59.3	13.6	
5	PCB-096			ND		21.2	3.62	
5	PCB-099	33.43	1.51	424		21.2	4.27	
5	PCB-103	29.10	1.64	25.9		21.2	2.76	
5	PCB-104			ND		21.2	2.46	
5	PCB-105	39.03	1.53	393	A	21.2	4.75	
5	PCB-106			ND	A	21.2	5.05	
5	PCB-107/124	37.15	1.54	49.1	A	42.4	4.78	
5	PCB-109	37.39	1.48	65.4	A	21.2	4.45	
5	PCB-110/115	34.80	1.57	3320		42.4	7.59	
5	PCB-111			ND		21.2	2.26	
5	PCB-112			ND		21.2	2.30	
5	PCB-114	38.38	1.72	19.1	JA	21.2	4.70	
5	PCB-118	37.86	1.58	1670		33.0	5.43	
5	PCB-120	36.04	1.44	3.80	J	21.2	2.41	
5	PCB-121			ND		21.2	2.03	
5	PCB-122	38.18	1.49	9.19	JA	21.2	5.50	
5	PCB-123	37.52	1.32 *	13.0	JA	21.2	5.09	
5	PCB-126			ND	A	21.2	5.21	
5	PCB-127			ND	A	21.2	5.05	
6	PCB-128/166	42.22	1.25	1100	A	42.4	5.47	
6	PCB-129/138/163	40.96	1.27	24500		63.5	9.24	
6	PCB-130	40.30	1.24	597	A	21.2	6.71	
6	PCB-131	37.49	1.26	124	A	21.2	7.04	
6	PCB-132	37.94	1.27	6730	A	21.2	6.56	
6	PCB-133	38.43	1.34	230	A	21.2	6.41	
6	PCB-134/143	36.88	1.26	926	A	42.4	7.06	
6	PCB-135/151	35.77	1.28	9120		42.4	7.85	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-27-29-250211**

Lab Sample ID: 10723702021

Lab File ID: Y250319A_10

Matrix: Solid

Percent Solids: 74.61%

Date Collected: 02/11/2025 16:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 17:02

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 15.8g

Dry Weight Extracted: 11.8g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	33.31	1.27	3050		21.2	4.05	
6	PCB-137	40.52	1.20	56.5	A	21.2	6.29	
6	PCB-139/140	37.29	1.11	34.2	JA	42.4	5.89	
6	PCB-141	39.90	1.26	7270	A	21.2	6.05	
6	PCB-142			ND	A	21.2	6.96	
6	PCB-144	36.35	1.24	1420		21.2	3.42	
6	PCB-145			ND		21.2	2.23	
6	PCB-146	39.08	1.24	3070	A	21.2	5.39	
6	PCB-147/149	36.68	1.27	25100		42.4	9.83	
6	PCB-148			ND		21.2	4.64	
6	PCB-150	32.92	1.16	2.64	J	21.2	2.51	
6	PCB-152			ND		21.2	2.73	
6	PCB-153/168	39.70	1.26	28100		42.4	6.47	
6	PCB-154	36.02	1.62 *	21.8	I	21.2	2.81	21.8
6	PCB-155			ND		21.2	2.52	
6	PCB-156/157	45.11	1.21	1390	A	42.4	6.73	
6	PCB-158	41.36	1.23	1830	A	21.2	4.19	
6	PCB-159	43.18	1.21	302	A	21.2	5.52	
6	PCB-160			ND	A	21.2	4.73	
6	PCB-161			ND	A	21.2	4.77	
6	PCB-162	43.50	1.27	18.2	JA	21.2	6.14	
6	PCB-164	40.64	1.27	1550	A	21.2	4.34	
6	PCB-165			ND	A	21.2	4.99	
6	PCB-167	43.98	1.23	489	A	21.2	4.90	
6	PCB-169	48.37	1.44 *	21.9	IA	21.2	5.08	21.9
7	PCB-170	47.79	1.04	13300	A	21.2	6.67	
7	PCB-171/173	44.23	1.05	4190	A	42.4	6.68	
7	PCB-172	45.86	1.05	2350	A	21.2	6.58	
7	PCB-174	43.14	1.05	15900	A	21.2	6.13	
7	PCB-175	42.03	1.10	535		21.2	2.10	
7	PCB-176	39.57	1.06	1770		21.2	2.96	
7	PCB-177	43.60	1.05	9120	A	21.2	6.47	
7	PCB-178	41.39	1.04	2510		21.2	2.95	
7	PCB-179	38.68	1.05	5810		21.2	3.28	

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Sample Analysis Summary

Method 1668A

Page 6 of 7

Client Sample ID: **SB-03-27-29-250211**

Lab Sample ID: 10723702021

Lab File ID: Y250319A_10

Matrix: Solid

Percent Solids: 74.61%

Date Collected: 02/11/2025 16:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 17:02

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 15.8g

Dry Weight Extracted: 11.8g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.51	1.05	34600		42.4	7.80	
7	PCB-181	44.02	1.15	21.1	JA	21.2	6.21	
7	PCB-182			ND		21.2	2.72	
7	PCB-183/185	42.93	1.04	11700		42.4	5.26	
7	PCB-184			ND		21.2	2.32	
7	PCB-186			ND		21.2	2.47	
7	PCB-187	42.30	1.06	15100		21.2	4.81	
7	PCB-188			ND	A	21.2	1.93	
7	PCB-189	50.93	0.99	378	A	21.2	3.96	
7	PCB-190	48.32	1.03	2910	A	21.2	5.22	
7	PCB-191	46.87	1.07	576	A	21.2	4.95	
7	PCB-192			ND	A	21.2	5.20	
8	PCB-194	53.04	0.90	7840	A	21.2	6.10	
8	PCB-195	50.69	0.90	3340	A	21.2	6.51	
8	PCB-196	49.15	0.88	3620	A	21.2	2.71	
8	PCB-197/200	45.64	0.90	1180		42.4	5.13	
8	PCB-198/199	48.49	0.90	6830		42.4	3.94	
8	PCB-201	44.65	0.89	882		21.2	2.08	
8	PCB-202	43.71	0.90	1240	A	21.2	2.38	
8	PCB-203	49.35	0.89	3990		21.2	2.89	
8	PCB-204			ND	A	21.2	2.09	
8	PCB-205	53.54	0.93	365	A	21.2	4.90	
9	PCB-206	55.28	0.79	1440	A	21.2	3.62	
9	PCB-207	51.38	0.74	224	A	21.2	2.64	
9	PCB-208	50.43	0.80	235	A	21.2	3.04	
10	PCB-209	56.90	0.65	22.0	A	21.2	4.66	

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **SB-03-27-29-250211**

Lab Sample ID: 10723702021

Lab File ID: Y250319A_10

Matrix: Solid

Percent Solids: 74.61%

Date Collected: 02/11/2025 16:30

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 17:02

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 15.8g

Dry Weight Extracted: 11.8g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	285	JB
Total TrCB	451	J
Total TeCB	1930	J
Total PeCB	19800	J
Total HxCB	117000	J
Total HpCB	121000	J
Total OcCB	29300	
Total NoCB	1900	
DeCB	22.0	
Total PCBs	291000	

REPORT OF LABORATORY ANALYSIS

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-03-29-31-250211**

Lab Sample ID: 10723702022

Lab File ID: Y250319A_11

Matrix: Solid

Percent Solids: 33.14%

Date Collected: 02/11/2025 16:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 18:03

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117867

Prep. Technique: Soxhlet

Total Amount Extracted: 10.4g

Dry Weight Extracted: 3.45g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.53	2.77	2.00	0.926	46	
1	PCB-003L	12.37	3.02	2.00	0.986	49	
2	PCB-004L	12.68	1.57	2.00	0.933	47	
2	PCB-015L	19.78	1.69	2.00	1.27	64	
3	PCB-019L	16.51	0.88	2.00	1.23	62	
3	PCB-037L	27.54	1.04	2.00	1.30	65	
4	PCB-054L	20.12	0.82	2.00	1.14	57	
4	PCB-077L	35.34	0.79	2.00	1.66	83	
4	PCB-081L	34.67	0.81	2.00	1.71	85	
5	PCB-104L	26.23	1.65	2.00	0.997	50	
5	PCB-105L	38.78	1.59	2.00	1.68	84	
5	PCB-114L	38.14	1.61	2.00	1.70	85	
5	PCB-118L	37.59	1.63	2.00	1.68	84	
5	PCB-123L	37.27	1.63	2.00	1.60	80	
5	PCB-126L	41.91	1.56	2.00	1.79	89	
6	PCB-155L	32.27	1.34	2.00	0.954	48	
6	PCB-156/157L	44.99	1.27	4.00	3.10	77	
6	PCB-167L	43.81	1.27	2.00	1.61	81	
6	PCB-169L	48.26	1.23	2.00	1.66	83	
7	PCB-188L	38.13	1.11	2.00	1.01	51	
7	PCB-189L	50.82	1.08	2.00	1.37	69	
8	PCB-202L	43.56	0.86	2.00	1.04	52	
8	PCB-205L	53.43	0.94	2.00	1.32	66	
9	PCB-206L	55.17	0.76	2.00	1.25	62	
9	PCB-208L	50.33	0.79	2.00	1.26	63	
10	PCB-209L	56.81	0.68	2.00	1.12	56	
Recovery Standards							
2	PCB-009L	15.16	1.61	2.00	1.39	N/A	
4	PCB-052L	25.19	0.80	2.00	1.85	N/A	
5	PCB-101L	32.47	1.58	2.00	2.12	N/A	
6	PCB-138L	40.76	1.22	2.00	2.71	N/A	
8	PCB-194L	52.93	0.88	2.00	3.46	N/A	
Cleanup Standards							
3	PCB-028L	23.19	1.00	2.00	1.40	70	
5	PCB-111L	35.32	1.56	2.00	1.58	79	
7	PCB-178L	41.21	1.10	2.00	1.47	74	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-03-29-31-250211**

Lab Sample ID: 10723702022

Lab File ID: Y250319A_11

Matrix: Solid

Percent Solids: 33.14%

Date Collected: 02/11/2025 16:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 18:03

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 10.4g

Dry Weight Extracted: 3.45g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND	A	72.4	29.8	
1	PCB-002			ND	A	72.4	32.9	
1	PCB-003			ND	A	72.4	30.4	
2	PCB-004			ND	A	72.4	152	
2	PCB-005			ND	A	72.4	58.8	
2	PCB-006			ND	A	72.4	48.1	
2	PCB-007			ND	A	72.4	46.2	
2	PCB-008			ND	A	72.4	43.7	
2	PCB-009			ND	A	72.4	33.7	
2	PCB-010			ND	A	72.4	66.2	
2	PCB-011	19.10	1.45	570	BJ	710	265	
2	PCB-012/013			ND	A	145	55.5	
2	PCB-014			ND	A	72.4	50.7	
2	PCB-015			ND	A	95.6	50.0	
3	PCB-016			ND		72.4	20.6	
3	PCB-017			ND		72.4	23.1	
3	PCB-018/030			ND		145	51.8	
3	PCB-019			ND	A	72.4	14.0	
3	PCB-020/028	23.23	0.98	81.8	J	374	77.6	
3	PCB-021/033	23.48	1.04	53.9	J	391	42.6	
3	PCB-022			ND		275	36.2	
3	PCB-023			ND	A	72.4	13.9	
3	PCB-024			ND		72.4	11.4	
3	PCB-025			ND	A	72.4	14.2	
3	PCB-026/029			ND		145	18.5	
3	PCB-027			ND		72.4	14.0	
3	PCB-031	22.89	0.93	75.0	J	376	65.7	
3	PCB-032			ND		72.4	22.5	
3	PCB-034			ND	A	72.4	14.6	
3	PCB-035			ND	A	72.4	17.1	
3	PCB-036			ND	A	72.4	14.8	
3	PCB-037			ND		153	17.2	
3	PCB-038			ND	A	72.4	14.9	
3	PCB-039			ND	A	72.4	14.1	

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **SB-03-29-31-250211**

Lab Sample ID: 10723702022

Lab File ID: Y250319A_11

Matrix: Solid

Percent Solids: 33.14%

Date Collected: 02/11/2025 16:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 18:03

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 10.4g

Dry Weight Extracted: 3.45g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

Ccal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071			ND		217	40.3	
4	PCB-042			ND		72.4	16.0	
4	PCB-043/073			ND		145	32.7	
4	PCB-044/047/065	26.29	0.78	125	J	217	60.8	
4	PCB-045/051			ND		145	30.1	
4	PCB-046			ND		72.4	10.1	
4	PCB-048	26.06	0.78	14.9	J	72.4	12.3	
4	PCB-069/049	25.74	0.78	68.9	J	145	32.1	
4	PCB-050/053			ND		145	24.3	
4	PCB-052	25.22	0.71	369	J	374	66.9	
4	PCB-054			ND		72.4	7.12	
4	PCB-055			ND	A	72.4	12.4	
4	PCB-056	31.41	0.70	44.0	J	72.4	16.4	
4	PCB-057			ND	A	72.4	12.0	
4	PCB-058			ND	A	72.4	12.1	
4	PCB-059/062/075			ND		217	17.0	
4	PCB-060	31.65	1.18 *	18.4	JI	72.4	16.7	18.4
4	PCB-061/070/074/076	30.34	0.79	227	J	290	49.8	
4	PCB-063			ND	A	72.4	11.5	
4	PCB-064	27.62	0.74	45.2	BJ	72.4	17.3	
4	PCB-066	30.69	0.83	84.9	J	171	42.3	
4	PCB-067			ND	A	72.4	11.0	
4	PCB-068			ND	A	72.4	11.4	
4	PCB-072			ND	A	72.4	11.3	
4	PCB-077			ND	A	72.4	16.3	
4	PCB-078			ND	A	72.4	13.0	
4	PCB-079			ND	A	72.4	11.3	
4	PCB-080			ND	A	72.4	10.6	
4	PCB-081			ND	A	72.4	13.5	
5	PCB-082	34.87	2.12 *	28.6	JI	72.4	21.4	28.6
5	PCB-083	32.99	1.58	40.9	J	72.4	8.72	
5	PCB-084	30.54	1.63	120		72.4	13.1	
5	PCB-085/116/117	34.35	1.59	47.8	J	217	21.5	
5	PCB-086/087/097/108/119/12	33.69	1.49	438		434	39.4	

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Sample Analysis Summary

Method 1668A

Page 4 of 7

Client Sample ID: **SB-03-29-31-250211**

Lab Sample ID: 10723702022

Lab File ID: Y250319A_11

Matrix: Solid

Percent Solids: 33.14%

Date Collected: 02/11/2025 16:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 18:03

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 10.4g

Dry Weight Extracted: 3.45g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091	30.32	1.56	35.3	J	145	19.3	
5	PCB-089			ND		72.4	9.85	
5	PCB-090/101/113	32.50	1.55	2830		217	37.9	
5	PCB-092	31.95	1.58	309		72.4	10.9	
5	PCB-093/098/100/102			ND		290	27.8	
5	PCB-094			ND		72.4	6.57	
5	PCB-095	29.42	1.54	2230		203	46.3	
5	PCB-096			ND		72.4	12.4	
5	PCB-099	33.09	1.61	166		72.4	14.6	
5	PCB-103	28.71	1.31 *	11.8	JI	72.4	9.44	11.8
5	PCB-104			ND		72.4	8.40	
5	PCB-105	38.81	1.35	167		72.4	12.9	
5	PCB-106			ND		72.4	7.59	
5	PCB-107/124	36.92	1.63	18.0	J	145	12.9	
5	PCB-109	37.17	1.25 *	24.2	JI	72.4	10.0	24.2
5	PCB-110/115	34.53	1.54	1290		145	25.9	
5	PCB-111			ND		72.4	7.73	
5	PCB-112			ND		72.4	7.88	
5	PCB-114			ND		72.4	6.95	
5	PCB-118	37.62	1.59	646		113	18.6	
5	PCB-120			ND		72.4	8.22	
5	PCB-121			ND		72.4	6.95	
5	PCB-122			ND		72.4	11.4	
5	PCB-123			ND		72.4	8.05	
5	PCB-126			ND		72.4	7.30	
5	PCB-127			ND		72.4	8.14	
6	PCB-128/166	42.07	1.32	380	A	145	20.6	
6	PCB-129/138/163	40.79	1.23	8840		217	31.6	
6	PCB-130	40.12	1.26	217	A	72.4	25.3	
6	PCB-131	37.27	1.19	40.2	JA	72.4	26.6	
6	PCB-132	37.72	1.21	2400	A	72.4	24.8	
6	PCB-133	38.23	1.15	87.0	A	72.4	24.2	
6	PCB-134/143	36.67	1.09	320	A	145	26.6	
6	PCB-135/151	35.56	1.29	3750		145	26.8	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-29-31-250211**

Lab Sample ID: 10723702022

Lab File ID: Y250319A_11

Matrix: Solid

Percent Solids: 33.14%

Date Collected: 02/11/2025 16:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 18:03

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 10.4g

Dry Weight Extracted: 3.45g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	32.99	1.25	1260		72.4	13.8	
6	PCB-137			ND	A	72.4	23.7	
6	PCB-139/140			ND	A	145	22.2	
6	PCB-141	39.70	1.24	2640	A	72.4	22.8	
6	PCB-142			ND	A	72.4	12.0	
6	PCB-144			ND		72.4	11.7	
6	PCB-145			ND		72.4	7.62	
6	PCB-146	38.90	1.21	1110	A	72.4	20.3	
6	PCB-147/149	36.48	1.25	8840		145	33.6	
6	PCB-148			ND		72.4	15.9	
6	PCB-150			ND		72.4	8.57	
6	PCB-152			ND		72.4	9.32	
6	PCB-153/168	39.52	1.26	10000		145	22.1	
6	PCB-154			ND		72.4	9.61	
6	PCB-155			ND		72.4	8.63	
6	PCB-156/157	44.99	1.26	511		145	12.4	
6	PCB-158	41.19	1.26	705	A	72.4	15.8	
6	PCB-159	43.03	1.16	196	A	72.4	9.70	
6	PCB-160			ND	A	72.4	17.9	
6	PCB-161			ND	A	72.4	18.0	
6	PCB-162			ND	A	72.4	9.67	
6	PCB-164	40.46	1.24	612	A	72.4	16.4	
6	PCB-165			ND	A	72.4	18.8	
6	PCB-167	43.83	1.21	173		72.4	8.51	
6	PCB-169			ND		72.4	9.38	
7	PCB-170	47.67	1.05	4870		72.4	14.7	
7	PCB-171/173	44.10	0.99	1580		145	13.7	
7	PCB-172	45.74	1.01	926	A	72.4	12.9	
7	PCB-174	43.01	1.02	5770		72.4	15.4	
7	PCB-175	41.88	1.08	210		72.4	7.18	
7	PCB-176	39.38	1.07	669		72.4	10.1	
7	PCB-177	43.46	1.07	3410	A	72.4	13.3	
7	PCB-178	41.23	1.05	953		72.4	10.1	
7	PCB-179	38.48	1.06	2170		72.4	11.2	

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Sample Analysis Summary

Method 1668A

Page 6 of 7

Client Sample ID: **SB-03-29-31-250211**

Lab Sample ID: 10723702022

Lab File ID: Y250319A_11

Matrix: Solid

Percent Solids: 33.14%

Date Collected: 02/11/2025 16:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 18:03

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 10.4g

Dry Weight Extracted: 3.45g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.41	1.05	12900		145	26.7	
7	PCB-181			ND	A	72.4	12.2	
7	PCB-182			ND		72.4	9.30	
7	PCB-183/185	42.79	1.04	4310		145	18.0	
7	PCB-184			ND		72.4	7.93	
7	PCB-186			ND		72.4	8.46	
7	PCB-187	42.17	1.04	5670		72.4	16.4	
7	PCB-188			ND		72.4	6.34	
7	PCB-189	50.84	0.94	140	A	72.4	10.0	
7	PCB-190	48.22	1.04	1090	A	72.4	10.2	
7	PCB-191	46.77	1.04	210	A	72.4	9.72	
7	PCB-192			ND	A	72.4	10.2	
8	PCB-194	52.95	0.90	2980	A	72.4	13.9	
8	PCB-195	50.61	0.83	1300	A	72.4	14.8	
8	PCB-196	49.06	0.90	1460		72.4	8.17	
8	PCB-197/200	45.54	0.88	463		145	17.5	
8	PCB-198/199	48.39	0.91	2730		145	13.5	
8	PCB-201	44.54	0.85	352		72.4	7.12	
8	PCB-202	43.60	0.90	502	A	72.4	6.74	
8	PCB-203	49.26	0.88	1640		72.4	9.88	
8	PCB-204			ND		72.4	6.63	
8	PCB-205	53.45	1.00	145	A	72.4	10.7	
9	PCB-206	55.20	0.73	576	A	72.4	19.8	
9	PCB-207	51.32	0.89	87.9	A	72.4	13.8	
9	PCB-208	50.37	0.81	94.8	A	72.4	12.5	
10	PCB-209			ND	A	72.4	11.2	

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary

Method 1668A

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Page 7 of 7

Client Sample ID: **SB-03-29-31-250211**

Lab Sample ID: 10723702022

Lab File ID: Y250319A_11

Matrix: Solid

Percent Solids: 33.14%

Date Collected: 02/11/2025 16:35

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/19/2025 18:03

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 10.4g

Dry Weight Extracted: 3.45g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250319A02

CCal File(s): Y250319A_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	570	JB
Total TrCB	211	J
Total TeCB	979	JB
Total PeCB	8330	J
Total HxCB	42100	J
Total HpCB	44800	
Total OcCB	11600	
Total NoCB	758	
DeCB	ND	
Total PCBs	109000	

REPORT OF LABORATORY ANALYSIS

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-03-37-39-250211**

Lab Sample ID: 10723702023

Lab File ID: Y250327B_09

Matrix: Solid

Percent Solids: 56.98%

Date Collected: 02/11/2025 16:40

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/28/2025 02:29

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117867

Prep. Technique: Soxhlet

Total Amount Extracted: 12.5g

Dry Weight Extracted: 7.14g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250327B02

CCal File(s): Y250327B_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.66	3.19	2.00	1.18	59	
1	PCB-003L	12.46	2.94	2.00	1.36	68	
2	PCB-004L	12.78	1.57	2.00	1.27	64	
2	PCB-015L	19.81	1.58	2.00	1.55	77	
3	PCB-019L	16.58	1.11	2.00	1.27	63	
3	PCB-037L	27.53	1.08	2.00	1.59	80	
4	PCB-054L	20.15	0.82	2.00	1.25	63	
4	PCB-077L	35.23	0.81	2.00	1.54	77	
4	PCB-081L	34.62	0.81	2.00	1.58	79	
5	PCB-104L	26.22	1.61	2.00	1.46	73	
5	PCB-105L	38.79	1.68	2.00	1.57	79	
5	PCB-114L	38.13	1.61	2.00	1.65	82	
5	PCB-118L	37.60	1.64	2.00	1.56	78	
5	PCB-123L	37.26	1.61	2.00	1.59	80	
5	PCB-126L	41.94	1.63	2.00	1.62	81	
6	PCB-155L	32.24	1.22	2.00	1.47	74	
6	PCB-156/157L	45.00	1.28	4.00	2.87	72	
6	PCB-167L	43.82	1.31	2.00	1.52	76	
6	PCB-169L	48.27	1.22	2.00	1.37	68	
7	PCB-188L	38.13	1.07	2.00	1.99	99	
7	PCB-189L	50.81	1.07	2.00	1.74	87	
8	PCB-202L	43.57	0.91	2.00	1.79	89	
8	PCB-205L	53.40	0.99	2.00	1.45	72	
9	PCB-206L	55.14	0.76	2.00	1.30	65	
9	PCB-208L	50.31	0.90	2.00	1.55	78	
10	PCB-209L	56.74	0.73	2.00	1.28	64	
Recovery Standards							
2	PCB-009L	15.28	1.52	2.00	2.72	N/A	
4	PCB-052L	25.19	0.74	2.00	2.84	N/A	
5	PCB-101L	32.46	1.62	2.00	2.65	N/A	
6	PCB-138L	40.77	1.19	2.00	2.69	N/A	
8	PCB-194L	52.92	0.92	2.00	1.92	N/A	
Cleanup Standards							
3	PCB-028L	23.20	1.14	2.00	1.43	71	
5	PCB-111L	35.28	1.64	2.00	1.42	71	
7	PCB-178L	41.22	1.13	2.00	1.48	74	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-03-37-39-250211**

Lab Sample ID: 10723702023

Lab File ID: Y250327B_09

Matrix: Solid

Percent Solids: 56.98%

Date Collected: 02/11/2025 16:40

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/28/2025 02:29

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 12.5g

Dry Weight Extracted: 7.14g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250327B02

CCal File(s): Y250327B_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND		35.0	5.01	
1	PCB-002			ND		35.0	5.27	
1	PCB-003			ND		35.0	5.28	
2	PCB-004			ND	A	35.0	17.4	
2	PCB-005			ND	A	35.0	7.09	
2	PCB-006			ND	A	35.0	6.38	
2	PCB-007			ND	A	35.0	6.04	
2	PCB-008			ND		35.0	9.59	
2	PCB-009			ND	A	35.0	6.58	
2	PCB-010			ND	A	35.0	10.4	
2	PCB-011	19.14	1.55	223	BJ	343	128	
2	PCB-012/013			ND		70.0	9.82	
2	PCB-014			ND	A	35.0	6.33	
2	PCB-015			ND		46.2	9.13	
3	PCB-016			ND		35.0	9.96	
3	PCB-017			ND		35.0	11.2	
3	PCB-018/030			ND		70.0	25.1	
3	PCB-019			ND		35.0	3.89	
3	PCB-020/028			ND		181	37.5	
3	PCB-021/033			ND		189	20.6	
3	PCB-022			ND		133	17.5	
3	PCB-023			ND		35.0	3.91	
3	PCB-024			ND		35.0	5.50	
3	PCB-025			ND		35.0	4.87	
3	PCB-026/029			ND		70.0	8.94	
3	PCB-027			ND		35.0	6.75	
3	PCB-031			ND		182	31.8	
3	PCB-032			ND		35.0	10.9	
3	PCB-034			ND		35.0	4.29	
3	PCB-035	27.12	1.07	5.62	J	35.0	5.18	
3	PCB-036			ND		35.0	3.87	
3	PCB-037			ND		74.2	8.31	
3	PCB-038			ND		35.0	3.31	
3	PCB-039			ND		35.0	4.33	

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **SB-03-37-39-250211**

Lab Sample ID: 10723702023

Lab File ID: Y250327B_09

Matrix: Solid

Percent Solids: 56.98%

Date Collected: 02/11/2025 16:40

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/28/2025 02:29

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 12.5g

Dry Weight Extracted: 7.14g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250327B02

CCal File(s): Y250327B_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071			ND		105	19.5	
4	PCB-042			ND		35.0	7.76	
4	PCB-043/073			ND		70.0	15.8	
4	PCB-044/047/065			ND		105	29.4	
4	PCB-045/051			ND		70.0	14.6	
4	PCB-046			ND		35.0	4.87	
4	PCB-048			ND		35.0	5.94	
4	PCB-069/049			ND		70.0	15.5	
4	PCB-050/053			ND		70.0	11.8	
4	PCB-052			ND		181	32.4	
4	PCB-054			ND		35.0	3.45	
4	PCB-055			ND		35.0	4.71	
4	PCB-056	31.35	0.93 *	8.43	JI	35.0	7.93	8.43
4	PCB-057			ND		35.0	3.57	
4	PCB-058			ND		35.0	3.05	
4	PCB-059/062/075			ND		105	8.24	
4	PCB-060			ND		35.0	8.07	
4	PCB-061/070/074/076	30.33	0.79	27.9	BJ	140	24.1	
4	PCB-063			ND		35.0	3.75	
4	PCB-064	27.61	0.78	8.57	BJ	35.0	8.35	
4	PCB-066			ND		82.6	20.4	
4	PCB-067			ND		35.0	3.42	
4	PCB-068			ND		35.0	3.82	
4	PCB-072			ND		35.0	3.26	
4	PCB-077			ND		35.0	4.47	
4	PCB-078			ND		35.0	4.10	
4	PCB-079			ND		35.0	4.15	
4	PCB-080			ND		35.0	2.52	
4	PCB-081			ND		35.0	3.32	
5	PCB-082			ND		35.0	10.4	
5	PCB-083			ND		35.0	4.22	
5	PCB-084			ND		35.0	6.32	
5	PCB-085/116/117			ND		105	10.4	
5	PCB-086/087/097/108/119/12			ND		210	19.0	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-37-39-250211**

Lab Sample ID: 10723702023

Lab File ID: Y250327B_09

Matrix: Solid

Percent Solids: 56.98%

Date Collected: 02/11/2025 16:40

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/28/2025 02:29

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 12.5g

Dry Weight Extracted: 7.14g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250327B02

CCal File(s): Y250327B_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091			ND		70.0	9.34	
5	PCB-089			ND		35.0	4.76	
5	PCB-090/101/113	32.48	1.33	18.6	J	105	18.3	
5	PCB-092			ND		35.0	5.27	
5	PCB-093/098/100/102			ND		140	13.5	
5	PCB-094			ND		35.0	3.18	
5	PCB-095			ND		98.0	22.4	
5	PCB-096			ND		35.0	5.98	
5	PCB-099	33.12	1.46	7.83	J	35.0	7.06	
5	PCB-103			ND		35.0	4.57	
5	PCB-104			ND		35.0	4.06	
5	PCB-105			ND		35.0	6.22	
5	PCB-106			ND		35.0	3.67	
5	PCB-107/124			ND		70.0	6.26	
5	PCB-109			ND		35.0	4.85	
5	PCB-110/115	34.52	1.64	18.2	BJ	70.0	12.5	
5	PCB-111			ND		35.0	3.74	
5	PCB-112			ND		35.0	3.81	
5	PCB-114			ND		35.0	3.36	
5	PCB-118	37.61	1.78	14.2	BJ	54.6	8.98	
5	PCB-120			ND		35.0	3.98	
5	PCB-121			ND		35.0	3.36	
5	PCB-122			ND		35.0	5.50	
5	PCB-123			ND		35.0	3.89	
5	PCB-126			ND		35.0	3.53	
5	PCB-127			ND		35.0	3.94	
6	PCB-128/166			ND		70.0	7.66	
6	PCB-129/138/163	40.78	1.30	21.4	J	105	15.3	
6	PCB-130			ND		35.0	4.20	
6	PCB-131			ND		35.0	4.62	
6	PCB-132	37.72	1.40	6.89	J	35.0	6.69	
6	PCB-133			ND		35.0	4.43	
6	PCB-134/143			ND		70.0	6.46	
6	PCB-135/151			ND		70.0	13.0	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-37-39-250211**

Lab Sample ID: 10723702023

Lab File ID: Y250327B_09

Matrix: Solid

Percent Solids: 56.98%

Date Collected: 02/11/2025 16:40

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/28/2025 02:29

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 12.5g

Dry Weight Extracted: 7.14g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250327B02

CCal File(s): Y250327B_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136			ND		35.0	6.69	
6	PCB-137			ND		35.0	5.06	
6	PCB-139/140			ND		70.0	6.19	
6	PCB-141			ND		35.0	5.67	
6	PCB-142			ND		35.0	4.10	
6	PCB-144			ND		35.0	5.66	
6	PCB-145			ND		35.0	3.68	
6	PCB-146			ND		35.0	5.53	
6	PCB-147/149			ND		70.0	16.2	
6	PCB-148			ND		35.0	7.68	
6	PCB-150			ND		35.0	4.15	
6	PCB-152			ND		35.0	4.51	
6	PCB-153/168	39.53	1.27	16.5	J	70.0	10.7	
6	PCB-154			ND		35.0	4.65	
6	PCB-155			ND		35.0	4.17	
6	PCB-156/157			ND		70.0	5.98	
6	PCB-158			ND		35.0	3.26	
6	PCB-159			ND		35.0	3.91	
6	PCB-160			ND		35.0	3.99	
6	PCB-161			ND		35.0	3.21	
6	PCB-162			ND		35.0	3.59	
6	PCB-164			ND		35.0	4.17	
6	PCB-165			ND		35.0	2.97	
6	PCB-167			ND		35.0	4.12	
6	PCB-169			ND		35.0	4.54	
7	PCB-170			ND		35.0	7.13	
7	PCB-171/173			ND		70.0	6.61	
7	PCB-172			ND		35.0	4.52	
7	PCB-174			ND		35.0	7.45	
7	PCB-175			ND		35.0	3.47	
7	PCB-176			ND		35.0	4.89	
7	PCB-177			ND		35.0	6.05	
7	PCB-178			ND		35.0	4.87	
7	PCB-179			ND		35.0	5.42	

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Sample Analysis Summary

Method 1668A

Page 6 of 7

Client Sample ID: **SB-03-37-39-250211**

Lab Sample ID: 10723702023

Lab File ID: Y250327B_09

Matrix: Solid

Percent Solids: 56.98%

Date Collected: 02/11/2025 16:40

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/28/2025 02:29

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 12.5g

Dry Weight Extracted: 7.14g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250327B02

CCal File(s): Y250327B_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193			ND		70.0	12.9	
7	PCB-181			ND		35.0	4.03	
7	PCB-182			ND		35.0	4.50	
7	PCB-183/185			ND		70.0	8.70	
7	PCB-184			ND		35.0	3.84	
7	PCB-186			ND		35.0	4.09	
7	PCB-187			ND		35.0	7.96	
7	PCB-188			ND		35.0	3.07	
7	PCB-189			ND		35.0	4.66	
7	PCB-190			ND		35.0	3.89	
7	PCB-191			ND		35.0	3.12	
7	PCB-192			ND		35.0	3.96	
8	PCB-194			ND		35.0	4.75	
8	PCB-195			ND		35.0	4.20	
8	PCB-196			ND		35.0	3.95	
8	PCB-197/200			ND		70.0	8.47	
8	PCB-198/199			ND		70.0	6.51	
8	PCB-201			ND		35.0	3.45	
8	PCB-202			ND		35.0	2.45	
8	PCB-203			ND		35.0	4.78	
8	PCB-204			ND		35.0	3.21	
8	PCB-205			ND		35.0	3.91	
9	PCB-206			ND		35.0	4.05	
9	PCB-207			ND		35.0	3.19	
9	PCB-208			ND		35.0	3.40	
10	PCB-209			ND		35.0	5.22	

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CB Congener Totals Summary

Method 1668A

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Page 7 of 7

Client Sample ID: **SB-03-37-39-250211**

Lab Sample ID: 10723702023

Lab File ID: Y250327B_09

Matrix: Solid

Percent Solids: 56.98%

Date Collected: 02/11/2025 16:40

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/28/2025 02:29

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 12.5g

Dry Weight Extracted: 7.14g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250327B02

CCal File(s): Y250327B_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	223	JB
Total TrCB	5.62	J
Total TeCB	36.5	JB
Total PeCB	58.8	JB
Total HxCB	44.7	J
Total HpCB	ND	
Total OcCB	ND	
Total NoCB	ND	
DeCB	ND	
Total PCBs	369	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **SB-03-31-33-250211**

Lab Sample ID: 10723702024

Lab File ID: Y250327B_10

Matrix: Solid

Percent Solids: 71.53%

Date Collected: 02/11/2025 16:45

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/28/2025 03:29

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117867

Prep. Technique: Soxhlet

Total Amount Extracted: 13.0g

Dry Weight Extracted: 9.28g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250327B02

CCal File(s): Y250327B_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.79	3.60	2.00	1.19	59	
1	PCB-003L	12.66	2.96	2.00	1.27	64	
2	PCB-004L	13.00	1.73	2.00	1.14	57	N2
2	PCB-015L	20.14	1.58	2.00	1.57	79	N2
3	PCB-019L	16.86	1.14	2.00	1.11	56	N2
3	PCB-037L	27.80	1.05	2.00	1.55	78	N2
4	PCB-054L	20.36	0.83	2.00	1.17	59	
4	PCB-077L	35.44	0.77	2.00	1.31	66	
4	PCB-081L	34.76	0.80	2.00	1.36	68	
5	PCB-104L	26.40	1.53	2.00	1.35	67	
5	PCB-105L	38.87	1.60	2.00	1.36	68	
5	PCB-114L	38.22	1.67	2.00	1.41	71	
5	PCB-118L	37.68	1.71	2.00	1.38	69	
5	PCB-123L	37.34	1.63	2.00	1.32	66	
5	PCB-126L	41.99	1.48	2.00	1.38	69	
6	PCB-155L	32.36	1.27	2.00	1.30	65	
6	PCB-156/157L	45.03	1.38	4.00	2.51	63	
6	PCB-167L	43.85	1.34	2.00	1.31	66	
6	PCB-169L	48.28	1.27	2.00	1.29	65	
7	PCB-188L	38.20	1.07	2.00	1.34	67	
7	PCB-189L	50.83	1.00	2.00	1.18	59	
8	PCB-202L	43.60	0.91	2.00	1.25	62	
8	PCB-205L	53.41	0.98	2.00	1.10	55	
9	PCB-206L	55.16	0.75	2.00	1.13	56	
9	PCB-208L	50.33	0.80	2.00	1.16	58	
10	PCB-209L	56.75	0.68	2.00	1.18	59	
Recovery Standards							
2	PCB-009L	15.48	1.49	2.00	4.41	N/A	
4	PCB-052L	25.38	0.81	2.00	3.61	N/A	
5	PCB-101L	32.56	1.50	2.00	3.08	N/A	
6	PCB-138L	40.81	1.19	2.00	3.17	N/A	
8	PCB-194L	52.94	0.88	2.00	2.89	N/A	
Cleanup Standards							
3	PCB-028L	23.42	1.04	2.00	1.37	68	
5	PCB-111L	35.41	1.59	2.00	1.33	67	
7	PCB-178L	41.27	1.10	2.00	1.26	63	

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Sample Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **SB-03-31-33-250211**

Lab Sample ID: 10723702024

Lab File ID: Y250327B_10

Matrix: Solid

Percent Solids: 71.53%

Date Collected: 02/11/2025 16:45

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/28/2025 03:29

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 13.0g

Dry Weight Extracted: 9.28g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250327B02

Ccal File(s): Y250327B_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001	9.80	3.41	45.9	A	26.9	12.9	
1	PCB-002			ND	A	26.9	12.5	
1	PCB-003			ND	A	26.9	14.2	
2	PCB-004			ND	AN2	26.9	26.3	
2	PCB-005			ND	AN2	26.9	14.9	
2	PCB-006	16.03	1.75	16.9	JAN2	26.9	13.1	
2	PCB-007			ND	AN2	26.9	9.11	
2	PCB-008	16.55	1.51	74.4	AN2	26.9	12.0	
2	PCB-009			ND	AN2	26.9	11.9	
2	PCB-010			ND	AN2	26.9	17.8	
2	PCB-011	19.46	1.64	203	BJN2	264	98.6	
2	PCB-012/013			ND	AN2	53.9	13.4	
2	PCB-014			ND	AN2	26.9	12.9	
2	PCB-015	20.15	1.70	32.9	JAN2	35.6	8.68	
3	PCB-016	20.07	0.91	26.9	N2	26.9	7.66	
3	PCB-017	19.58	1.00	26.6	JN2	26.9	8.59	
3	PCB-018/030	19.10	1.06	55.4	N2	53.9	19.3	
3	PCB-019	16.88	1.00	5.75	JAN2	26.9	3.18	
3	PCB-020/028	23.54	1.11	96.5	JN2	139	28.9	
3	PCB-021/033	23.79	1.02	56.5	JN2	146	15.8	
3	PCB-022	24.21	0.98	34.5	JN2	102	13.5	
3	PCB-023			ND	AN2	26.9	4.41	
3	PCB-024			ND	N2	26.9	4.24	
3	PCB-025	22.90	0.95	7.28	JAN2	26.9	4.34	
3	PCB-026/029	22.62	0.98	14.5	JN2	53.9	6.88	
3	PCB-027			ND	N2	26.9	5.20	
3	PCB-031	23.22	1.08	99.6	JN2	140	24.5	
3	PCB-032	20.69	1.21 *	16.2	JIN2	26.9	8.39	16.2
3	PCB-034			ND	AN2	26.9	4.44	
3	PCB-035	27.40	1.23 *	6.76	JIAN2	26.9	4.54	6.76
3	PCB-036			ND	AN2	26.9	4.25	
3	PCB-037	27.83	0.88	24.0	JN2	57.1	6.39	
3	PCB-038			ND	AN2	26.9	4.21	
3	PCB-039			ND	AN2	26.9	3.99	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668A

Page 3 of 7

Client Sample ID: **SB-03-31-33-250211**

Lab Sample ID: 10723702024

Lab File ID: Y250327B_10

Matrix: Solid

Percent Solids: 71.53%

Date Collected: 02/11/2025 16:45

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/28/2025 03:29

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 13.0g

Dry Weight Extracted: 9.28g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250327B02

Ccal File(s): Y250327B_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071	27.52	0.87	75.9	J	80.8	15.0	
4	PCB-042	27.02	0.84	33.5		26.9	5.97	
4	PCB-043/073			ND		53.9	12.2	
4	PCB-044/047/065	26.45	0.83	267		80.8	22.6	
4	PCB-045/051	23.53	0.81	22.2	J	53.9	11.2	
4	PCB-046	23.87	0.98 *	5.60	JIA	26.9	4.00	5.60
4	PCB-048	26.23	0.94 *	23.4	JI	26.9	4.57	23.4
4	PCB-069/049	25.93	0.82	169		53.9	12.0	
4	PCB-050/053	22.80	0.60 *	16.6	JI	53.9	9.04	16.6
4	PCB-052	25.41	0.79	885		139	24.9	
4	PCB-054			ND		26.9	2.65	
4	PCB-055			ND	A	26.9	7.24	
4	PCB-056	31.49	0.79	70.8	A	26.9	7.15	
4	PCB-057			ND	A	26.9	7.17	
4	PCB-058			ND	A	26.9	7.01	
4	PCB-059/062/075			ND		80.8	6.34	
4	PCB-060	31.72	0.72	31.5	A	26.9	7.04	
4	PCB-061/070/074/076	30.46	0.80	515		108	18.5	
4	PCB-063			ND	A	26.9	6.76	
4	PCB-064	27.78	0.78	89.8		26.9	6.42	
4	PCB-066	30.80	0.82	155		63.6	15.7	
4	PCB-067			ND	A	26.9	6.45	
4	PCB-068			ND	A	26.9	6.75	
4	PCB-072			ND	A	26.9	6.74	
4	PCB-077			ND	A	26.9	9.18	
4	PCB-078			ND	A	26.9	7.16	
4	PCB-079			ND	A	26.9	6.36	
4	PCB-080			ND	A	26.9	6.23	
4	PCB-081			ND	A	26.9	8.71	
5	PCB-082	34.94	1.57	93.4		26.9	7.97	
5	PCB-083	33.08	1.68	98.2		26.9	3.24	
5	PCB-084	30.66	1.49	356		26.9	4.86	
5	PCB-085/116/117	34.45	1.65	133		80.8	8.01	
5	PCB-086/087/097/108/119/12	33.78	1.54	1270		162	14.7	

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Sample Analysis Summary

Method 1668A

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Client Sample ID: **SB-03-31-33-250211**

Lab Sample ID: 10723702024

Lab File ID: Y250327B_10

Matrix: Solid

Percent Solids: 71.53%

Date Collected: 02/11/2025 16:45

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/28/2025 03:29

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 13.0g

Dry Weight Extracted: 9.28g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250327B02

CCal File(s): Y250327B_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091	30.45	1.40	98.5		53.9	7.19	
5	PCB-089			ND		26.9	3.66	
5	PCB-090/101/113	32.59	1.54	8470		80.8	14.1	
5	PCB-092			ND		26.9	4.05	
5	PCB-093/098/100/102	29.88	1.33	55.8	J	108	10.4	
5	PCB-094			ND		26.9	2.45	
5	PCB-095	29.54	1.54	6700		75.5	17.2	
5	PCB-096			ND		26.9	4.60	
5	PCB-099	33.20	1.44	498		26.9	5.43	
5	PCB-103	28.85	1.63	35.3		26.9	3.51	
5	PCB-104			ND		26.9	3.13	
5	PCB-105	38.89	1.64	383	A	26.9	7.33	
5	PCB-106			ND	A	26.9	6.18	
5	PCB-107/124	37.01	1.35	44.7	JA	53.9	6.35	
5	PCB-109	37.24	1.51	59.9	A	26.9	5.84	
5	PCB-110/115	34.62	1.54	3660		53.9	9.66	
5	PCB-111			ND		26.9	2.88	
5	PCB-112			ND		26.9	2.93	
5	PCB-114	38.25	1.45	22.5	JA	26.9	7.23	
5	PCB-118	37.70	1.58	1700		42.0	6.91	
5	PCB-120			ND		26.9	3.06	
5	PCB-121			ND		26.9	2.59	
5	PCB-122	38.05	1.32 *	11.2	JA	26.9	6.48	
5	PCB-123	37.38	1.32 *	18.5	JA	26.9	7.21	
5	PCB-126			ND	A	26.9	8.05	
5	PCB-127			ND	A	26.9	6.20	
6	PCB-128/166	42.12	1.26	1110	A	53.9	37.4	
6	PCB-129/138/163	40.85	1.26	24700	A	80.8	40.0	
6	PCB-130	40.18	1.27	561	A	26.9	45.8	
6	PCB-131	37.34	1.28	126	A	26.9	47.0	
6	PCB-132	37.80	1.26	6730	A	26.9	44.8	
6	PCB-133	38.30	1.42	233	A	26.9	42.8	
6	PCB-134/143	36.76	1.27	1050	A	53.9	45.9	
6	PCB-135/151	35.63	1.26	12900		53.9	9.99	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668A

Page 5 of 7

Client Sample ID: **SB-03-31-33-250211**

Lab Sample ID: 10723702024

Lab File ID: Y250327B_10

Matrix: Solid

Percent Solids: 71.53%

Date Collected: 02/11/2025 16:45

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/28/2025 03:29

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 13.0g

Dry Weight Extracted: 9.28g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250327B02

CCal File(s): Y250327B_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136	33.10	1.26	4400		26.9	5.15	
6	PCB-137	40.43	1.12	102	A	26.9	39.5	
6	PCB-139/140	37.16	1.23	48.6	JA	53.9	39.6	
6	PCB-141	39.77	1.29	7130	A	26.9	39.5	
6	PCB-142			ND	A	26.9	45.2	
6	PCB-144			ND		26.9	4.35	
6	PCB-145			ND		26.9	2.83	
6	PCB-146	38.95	1.29	3060	A	26.9	36.8	
6	PCB-147/149	36.57	1.25	24300	A	53.9	17.7	
6	PCB-148			ND		26.9	5.91	
6	PCB-150			ND		26.9	3.19	
6	PCB-152			ND		26.9	3.47	
6	PCB-153/168	39.59	1.26	27600	A	53.9	33.4	
6	PCB-154			ND		26.9	3.58	
6	PCB-155			ND		26.9	3.21	
6	PCB-156/157	45.03	1.26	1470	A	53.9	13.2	
6	PCB-158	41.25	1.26	1790	A	26.9	28.1	
6	PCB-159	43.08	1.30	307	A	26.9	9.73	
6	PCB-160			ND	A	26.9	30.4	
6	PCB-161			ND	A	26.9	31.7	
6	PCB-162			ND	A	26.9	9.69	
6	PCB-164	40.53	1.20	1580	A	26.9	31.4	
6	PCB-165	38.57	1.59 *	70.9	IA	26.9	33.8	70.9
6	PCB-167	43.89	1.19	515	A	26.9	9.63	
6	PCB-169	48.30	1.51 *	28.2	IA	26.9	11.5	28.2
7	PCB-170	47.71	1.03	12000	A	26.9	25.6	
7	PCB-171/173	44.16	1.02	3860	A	53.9	26.0	
7	PCB-172	45.78	1.05	2220	A	26.9	25.7	
7	PCB-174	43.07	1.04	14600	A	26.9	23.3	
7	PCB-175	41.94	0.95	556		26.9	2.67	
7	PCB-176	39.46	1.05	2020		26.9	3.76	
7	PCB-177	43.50	1.05	8330	A	26.9	26.1	
7	PCB-178	41.28	1.03	2780		26.9	3.75	
7	PCB-179	38.55	1.04	6650		26.9	4.17	

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Sample Analysis Summary

Method 1668A

Page 6 of 7

Client Sample ID: **SB-03-31-33-250211**

Lab Sample ID: 10723702024

Lab File ID: Y250327B_10

Matrix: Solid

Percent Solids: 71.53%

Date Collected: 02/11/2025 16:45

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/28/2025 03:29

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 13.0g

Dry Weight Extracted: 9.28g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250327B02

CCal File(s): Y250327B_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193	46.44	1.03	32300	A	53.9	20.9	
7	PCB-181			ND	A	26.9	24.1	
7	PCB-182			ND		26.9	3.46	
7	PCB-183/185	42.85	1.04	10700	A	53.9	13.5	
7	PCB-184			ND		26.9	2.95	
7	PCB-186			ND		26.9	3.15	
7	PCB-187	42.21	1.03	16400		26.9	6.12	
7	PCB-188			ND		26.9	2.36	
7	PCB-189	50.85	0.88	456	A	26.9	10.0	
7	PCB-190	48.25	1.01	2630	A	26.9	20.7	
7	PCB-191	46.79	1.02	677	A	26.9	19.2	
7	PCB-192			ND	A	26.9	20.1	
8	PCB-194	52.96	0.90	6600	A	26.9	10.1	
8	PCB-195	50.61	0.90	2940	A	26.9	11.0	
8	PCB-196	49.07	0.89	3730	A	26.9	3.69	
8	PCB-197/200	45.58	0.88	1220		53.9	6.52	
8	PCB-198/199	48.41	0.89	7000		53.9	5.01	
8	PCB-201	44.58	0.90	930	A	26.9	2.81	
8	PCB-202	43.64	0.91	1170	A	26.9	2.84	
8	PCB-203	49.27	0.89	4200		26.9	3.68	
8	PCB-204			ND	A	26.9	2.80	
8	PCB-205	53.44	0.99	381	A	26.9	10.2	
9	PCB-206	55.18	0.81	1350	A	26.9	6.18	
9	PCB-207	51.30	0.75	202	A	26.9	3.28	
9	PCB-208	50.35	0.72	231	A	26.9	3.43	
10	PCB-209	56.78	0.64	17.9	J	26.9	4.02	

REPORT OF LABORATORY ANALYSIS

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **SB-03-31-33-250211**

Lab Sample ID: 10723702024

Lab File ID: Y250327B_10

Matrix: Solid

Percent Solids: 71.53%

Date Collected: 02/11/2025 16:45

Date Received: 02/13/2025 08:50

Date Extracted: 03/07/2025 12:00

Date Analyzed: 03/28/2025 03:29

Method Blank ID: BLANK-117865

Lab Spike ID(s): LCS-117866/LCSD-117

Prep. Technique: Soxhlet

Total Amount Extracted: 13.0g

Dry Weight Extracted: 9.28g

Extract Volume: 200 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 285758-02

Ical ID: Y250327B02

CCal File(s): Y250327B_01

Homologue	Concentration (ng/Kg)	Q
Total MoCB	45.9	
Total DiCB	327	JB
Total TrCB	448	J
Total TeCB	2310	J
Total PeCB	23700	J
Total HxCB	120000	J
Total HpCB	116000	
Total OcCB	28200	
Total NoCB	1790	
DeCB	17.9	J
Total PCBs	293000	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **CBLKFI**
 Lab Sample ID: BLANK-117861
 Lab File ID: Y250314A_08
 Matrix: Soil
 Percent Solids: 100%
 Date Collected: 03/07/2025 09:19
 Date Received: 03/07/2025 09:19
 Date Extracted: 03/07/2025 12:00
 Date Analyzed: 03/14/2025 14:07

Prep. Technique: Soxhlet
 Total Amount Extracted: 10.8g
 Dry Weight Extracted: 10.8g
 Extract Volume: 200 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: AH5
 Instrument ID: 10MSHR12 (Y)
 GC Column ID: 286731-02
 Ical ID: Y250314A04
 CCal File(s): Y250314A_03

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.54	3.07	2.00	1.11	56	
1	PCB-003L	12.34	2.96	2.00	1.22	61	
2	PCB-004L	12.65	1.55	2.00	1.31	65	
2	PCB-015L	19.71	1.61	2.00	1.37	69	
3	PCB-019L	16.47	1.04	2.00	1.52	76	
3	PCB-037L	27.46	1.07	2.00	1.22	61	
4	PCB-054L	20.05	0.77	2.00	1.11	56	
4	PCB-077L	35.12	0.79	2.00	1.53	76	
4	PCB-081L	34.54	0.76	2.00	1.44	72	
5	PCB-104L	26.15	1.53	2.00	1.22	61	
5	PCB-105L	38.72	1.61	2.00	1.36	68	
5	PCB-114L	38.06	1.55	2.00	1.31	65	
5	PCB-118L	37.51	1.60	2.00	1.30	65	
5	PCB-123L	37.17	1.60	2.00	1.28	64	
5	PCB-126L	41.85	1.57	2.00	1.49	75	
6	PCB-155L	32.17	1.26	2.00	1.21	60	
6	PCB-156/157L	44.93	1.25	4.00	2.58	65	
6	PCB-167L	43.77	1.23	2.00	1.29	64	
6	PCB-169L	48.21	1.24	2.00	1.48	74	
7	PCB-188L	38.06	1.06	2.00	1.26	63	
7	PCB-189L	50.76	1.09	2.00	1.21	60	
8	PCB-202L	43.52	0.91	2.00	1.24	62	
8	PCB-205L	53.37	0.93	2.00	1.27	64	
9	PCB-206L	55.14	0.76	2.00	1.44	72	
9	PCB-208L	50.29	0.78	2.00	1.35	68	
10	PCB-209L	56.78	0.71	2.00	1.55	77	
Recovery Standards							
2	PCB-009L	15.18	1.59	2.00	1.68	N/A	
4	PCB-052L	25.11	0.77	2.00	2.25	N/A	
5	PCB-101L	32.37	1.58	2.00	2.37	N/A	
6	PCB-138L	40.70	1.26	2.00	2.58	N/A	
8	PCB-194L	52.90	0.90	2.00	2.93	N/A	
Cleanup Standards							
3	PCB-028L	23.11	1.08	2.00	1.05	53	
5	PCB-111L	35.17	1.58	2.00	1.32	66	
7	PCB-178L	41.15	1.10	2.00	1.55	77	

REPORT OF LABORATORY ANALYSIS

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Method Blank Analysis Summary

Method 1668A

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Client Sample ID: **CBLKFI**
 Lab Sample ID: BLANK-117861
 Lab File ID: Y250314A_08
 Matrix: Soil
 Percent Solids: 100%
 Date Collected: 03/07/2025 09:19
 Date Received: 03/07/2025 09:19
 Date Extracted: 03/07/2025 12:00
 Date Analyzed: 03/14/2025 14:07

Prep. Technique: Soxhlet
 Total Amount Extracted: 10.8g
 Dry Weight Extracted: 10.8g
 Extract Volume: 200 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: AH5
 Instrument ID: 10MSHR12 (Y)
 GC Column ID: 286731-02
 Ical ID: Y250314A04
 CCal File(s): Y250314A_03

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND		23.1	3.31	
1	PCB-002			ND		23.1	3.48	
1	PCB-003			ND		23.1	3.49	
2	PCB-004			ND	A	23.1	10.1	
2	PCB-005			ND	A	23.1	5.83	
2	PCB-006			ND	A	23.1	5.36	
2	PCB-007			ND	A	23.1	5.16	
2	PCB-008			ND		23.1	6.34	
2	PCB-009			ND	A	23.1	5.43	
2	PCB-010			ND	A	23.1	6.40	
2	PCB-011	19.03	1.44	90.7	J	227	84.6	
2	PCB-012/013			ND		46.3	6.48	
2	PCB-014			ND	A	23.1	5.06	
2	PCB-015			ND		30.5	6.03	
3	PCB-016			ND		23.1	6.58	
3	PCB-017			ND		23.1	7.37	
3	PCB-018/030			ND		46.3	16.6	
3	PCB-019			ND		23.1	2.57	
3	PCB-020/028			ND		119	24.8	
3	PCB-021/033			ND		125	13.6	
3	PCB-022			ND		87.9	11.6	
3	PCB-023			ND		23.1	2.58	
3	PCB-024			ND		23.1	3.64	
3	PCB-025			ND		23.1	3.22	
3	PCB-026/029			ND		46.3	5.90	
3	PCB-027			ND		23.1	4.46	
3	PCB-031			ND		120	21.0	
3	PCB-032			ND		23.1	7.20	
3	PCB-034			ND		23.1	2.83	
3	PCB-035			ND		23.1	3.42	
3	PCB-036			ND		23.1	2.55	
3	PCB-037			ND		49.0	5.49	
3	PCB-038			ND		23.1	2.18	
3	PCB-039			ND		23.1	2.86	

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Method Blank Analysis Summary

Method 1668A

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Client Sample ID: **CBLKFI**
 Lab Sample ID: BLANK-117861
 Lab File ID: Y250314A_08
 Matrix: Soil
 Percent Solids: 100%
 Date Collected: 03/07/2025 09:19
 Date Received: 03/07/2025 09:19
 Date Extracted: 03/07/2025 12:00
 Date Analyzed: 03/14/2025 14:07

Prep. Technique: Soxhlet
 Total Amount Extracted: 10.8g
 Dry Weight Extracted: 10.8g
 Extract Volume: 200 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: AH5
 Instrument ID: 10MSHR12 (Y)
 GC Column ID: 286731-02
 Ical ID: Y250314A04
 CCal File(s): Y250314A_03

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071			ND		69.4	12.9	
4	PCB-042			ND		23.1	5.12	
4	PCB-043/073			ND		46.3	10.5	
4	PCB-044/047/065			ND		69.4	19.4	
4	PCB-045/051			ND		46.3	9.62	
4	PCB-046			ND		23.1	3.22	
4	PCB-048			ND		23.1	3.92	
4	PCB-069/049			ND		46.3	10.3	
4	PCB-050/053			ND		46.3	7.76	
4	PCB-052			ND		119	21.4	
4	PCB-054			ND		23.1	2.28	
4	PCB-055			ND		23.1	3.11	
4	PCB-056			ND		23.1	5.24	
4	PCB-057			ND		23.1	2.36	
4	PCB-058			ND		23.1	2.02	
4	PCB-059/062/075			ND		69.4	5.44	
4	PCB-060			ND		23.1	5.33	
4	PCB-061/070/074/076			ND		92.5	15.9	
4	PCB-063			ND		23.1	2.48	
4	PCB-064			ND		23.1	5.51	
4	PCB-066			ND		54.6	13.5	
4	PCB-067			ND		23.1	2.26	
4	PCB-068			ND		23.1	2.53	
4	PCB-072			ND		23.1	2.16	
4	PCB-077			ND		23.1	2.95	
4	PCB-078			ND		23.1	2.71	
4	PCB-079			ND		23.1	2.74	
4	PCB-080			ND		23.1	1.67	
4	PCB-081			ND		23.1	2.19	
5	PCB-082			ND		23.1	6.84	
5	PCB-083			ND		23.1	2.78	
5	PCB-084			ND		23.1	4.17	
5	PCB-085/116/117			ND		69.4	6.87	
5	PCB-086/087/097/108/119/12			ND		139	12.6	

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Method Blank Analysis Summary

Method 1668A

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Client Sample ID: **CBLKFI**
Lab Sample ID: BLANK-117861
Lab File ID: Y250314A_08
Matrix: Soil
Percent Solids: 100%
Date Collected: 03/07/2025 09:19
Date Received: 03/07/2025 09:19
Date Extracted: 03/07/2025 12:00
Date Analyzed: 03/14/2025 14:07

Prep. Technique: Soxhlet
Total Amount Extracted: 10.8g
Dry Weight Extracted: 10.8g
Extract Volume: 200 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: AH5
Instrument ID: 10MSHR12 (Y)
GC Column ID: 286731-02
Ical ID: Y250314A04
CCal File(s): Y250314A_03

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091			ND		46.3	6.17	
5	PCB-089			ND		23.1	3.15	
5	PCB-090/101/113			ND		69.4	12.1	
5	PCB-092			ND		23.1	3.48	
5	PCB-093/098/100/102			ND		92.5	8.89	
5	PCB-094			ND		23.1	2.10	
5	PCB-095			ND		64.8	14.8	
5	PCB-096			ND		23.1	3.95	
5	PCB-099			ND		23.1	4.66	
5	PCB-103			ND		23.1	3.02	
5	PCB-104			ND		23.1	2.68	
5	PCB-105			ND		23.1	4.11	
5	PCB-106			ND		23.1	2.42	
5	PCB-107/124			ND		46.3	4.14	
5	PCB-109			ND		23.1	3.20	
5	PCB-110/115			ND		46.3	8.29	
5	PCB-111			ND		23.1	2.47	
5	PCB-112			ND		23.1	2.52	
5	PCB-114			ND		23.1	2.22	
5	PCB-118			ND		36.1	5.93	
5	PCB-120			ND		23.1	2.63	
5	PCB-121			ND		23.1	2.22	
5	PCB-122			ND		23.1	3.64	
5	PCB-123			ND		23.1	2.57	
5	PCB-126			ND		23.1	2.33	
5	PCB-127			ND		23.1	2.60	
6	PCB-128/166			ND		46.3	5.06	
6	PCB-129/138/163			ND		69.4	10.1	
6	PCB-130			ND		23.1	2.78	
6	PCB-131			ND		23.1	3.05	
6	PCB-132			ND		23.1	4.42	
6	PCB-133			ND		23.1	2.92	
6	PCB-134/143			ND		46.3	4.26	
6	PCB-135/151			ND		46.3	8.58	

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Method Blank Analysis Summary

Method 1668A

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Client Sample ID: **CBLKFI**
Lab Sample ID: BLANK-117861
Lab File ID: Y250314A_08
Matrix: Soil
Percent Solids: 100%
Date Collected: 03/07/2025 09:19
Date Received: 03/07/2025 09:19
Date Extracted: 03/07/2025 12:00
Date Analyzed: 03/14/2025 14:07

Prep. Technique: Soxhlet
Total Amount Extracted: 10.8g
Dry Weight Extracted: 10.8g
Extract Volume: 200 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: AH5
Instrument ID: 10MSHR12 (Y)
GC Column ID: 286731-02
Ical ID: Y250314A04
CCal File(s): Y250314A_03

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136			ND		23.1	4.42	
6	PCB-137			ND		23.1	3.34	
6	PCB-139/140			ND		46.3	4.09	
6	PCB-141			ND		23.1	3.75	
6	PCB-142			ND		23.1	2.71	
6	PCB-144			ND		23.1	3.74	
6	PCB-145			ND		23.1	2.43	
6	PCB-146			ND		23.1	3.65	
6	PCB-147/149			ND		46.3	10.7	
6	PCB-148			ND		23.1	5.07	
6	PCB-150			ND		23.1	2.74	
6	PCB-152			ND		23.1	2.98	
6	PCB-153/168			ND		46.3	7.07	
6	PCB-154			ND		23.1	3.07	
6	PCB-155			ND		23.1	2.76	
6	PCB-156/157			ND		46.3	3.95	
6	PCB-158			ND		23.1	2.16	
6	PCB-159			ND		23.1	2.58	
6	PCB-160			ND		23.1	2.64	
6	PCB-161			ND		23.1	2.12	
6	PCB-162			ND		23.1	2.37	
6	PCB-164			ND		23.1	2.76	
6	PCB-165			ND		23.1	1.96	
6	PCB-167			ND		23.1	2.72	
6	PCB-169			ND		23.1	3.00	
7	PCB-170			ND		23.1	4.71	
7	PCB-171/173			ND		46.3	4.37	
7	PCB-172			ND		23.1	2.99	
7	PCB-174			ND		23.1	4.92	
7	PCB-175			ND		23.1	2.29	
7	PCB-176			ND		23.1	3.23	
7	PCB-177			ND		23.1	4.00	
7	PCB-178			ND		23.1	3.22	
7	PCB-179			ND		23.1	3.58	

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Method Blank Analysis Summary

Method 1668A

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Client Sample ID: **CBLKFI**
Lab Sample ID: BLANK-117861
Lab File ID: Y250314A_08
Matrix: Soil
Percent Solids: 100%
Date Collected: 03/07/2025 09:19
Date Received: 03/07/2025 09:19
Date Extracted: 03/07/2025 12:00
Date Analyzed: 03/14/2025 14:07

Prep. Technique: Soxhlet
Total Amount Extracted: 10.8g
Dry Weight Extracted: 10.8g
Extract Volume: 200 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: AH5
Instrument ID: 10MSHR12 (Y)
GC Column ID: 286731-02
Ical ID: Y250314A04
CCal File(s): Y250314A_03

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193			ND		46.3	8.52	
7	PCB-181			ND		23.1	2.66	
7	PCB-182			ND		23.1	2.97	
7	PCB-183/185			ND		46.3	5.74	
7	PCB-184			ND		23.1	2.53	
7	PCB-186			ND		23.1	2.70	
7	PCB-187			ND		23.1	5.25	
7	PCB-188			ND		23.1	2.03	
7	PCB-189			ND		23.1	3.08	
7	PCB-190			ND		23.1	2.57	
7	PCB-191			ND		23.1	2.06	
7	PCB-192			ND		23.1	2.62	
8	PCB-194			ND		23.1	3.14	
8	PCB-195			ND		23.1	2.78	
8	PCB-196			ND		23.1	2.61	
8	PCB-197/200			ND		46.3	5.60	
8	PCB-198/199			ND		46.3	4.30	
8	PCB-201			ND		23.1	2.28	
8	PCB-202			ND		23.1	1.62	
8	PCB-203			ND		23.1	3.15	
8	PCB-204			ND		23.1	2.12	
8	PCB-205			ND		23.1	2.58	
9	PCB-206			ND		23.1	2.67	
9	PCB-207			ND		23.1	2.11	
9	PCB-208			ND		23.1	2.25	
10	PCB-209			ND		23.1	3.45	

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **CBLKFI**
Lab Sample ID: BLANK-117861
Lab File ID: Y250314A_08
Matrix: Soil
Percent Solids: 100%
Date Collected: 03/07/2025 09:19
Date Received: 03/07/2025 09:19
Date Extracted: 03/07/2025 12:00
Date Analyzed: 03/14/2025 14:07

Prep. Technique: Soxhlet
Total Amount Extracted: 10.8g
Dry Weight Extracted: 10.8g
Extract Volume: 200 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: AH5
Instrument ID: 10MSHR12 (Y)
GC Column ID: 286731-02
Ical ID: Y250314A04
CCal File(s): Y250314A_03

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	90.7	J
Total TrCB	ND	
Total TeCB	ND	
Total PeCB	ND	
Total HxCB	ND	
Total HpCB	ND	
Total OcCB	ND	
Total NoCB	ND	
DeCB	ND	
Total PCBs	90.7	

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CB Congener Labeled Analyte Summary

Method 1668A

Page 1 of 7

Client Sample ID: **CBLKFK**
 Lab Sample ID: BLANK-117865
 Lab File ID: Y250315A_07
 Matrix: Soil
 Percent Solids: 100%
 Date Collected: 03/07/2025 09:31
 Date Received: 03/07/2025 09:31
 Date Extracted: 03/07/2025 12:00
 Date Analyzed: 03/15/2025 15:58

Prep. Technique: Soxhlet
 Total Amount Extracted: 10.8g
 Dry Weight Extracted: 10.8g
 Extract Volume: 200 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: JRH
 Instrument ID: 10MSHR12 (Y)
 GC Column ID: 286731-02
 Ical ID: Y250315A03
 CCal File(s): Y250315A_02

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	9.54	2.96	2.00	1.30	65	
1	PCB-003L	12.36	2.85	2.00	1.44	72	
2	PCB-004L	12.68	1.57	2.00	1.62	81	
2	PCB-015L	19.74	1.53	2.00	1.52	76	
3	PCB-019L	16.51	1.03	2.00	1.75	88	
3	PCB-037L	27.46	1.02	2.00	1.26	63	
4	PCB-054L	20.06	0.75	2.00	1.28	64	
4	PCB-077L	35.15	0.77	2.00	1.58	79	
4	PCB-081L	34.54	0.81	2.00	1.49	74	
5	PCB-104L	26.15	1.56	2.00	1.48	74	
5	PCB-105L	38.72	1.61	2.00	1.32	66	
5	PCB-114L	38.07	1.56	2.00	1.31	65	
5	PCB-118L	37.52	1.69	2.00	1.33	66	
5	PCB-123L	37.18	1.63	2.00	1.29	65	
5	PCB-126L	41.88	1.56	2.00	1.44	72	
6	PCB-155L	32.18	1.27	2.00	1.57	78	
6	PCB-156/157L	44.95	1.26	4.00	2.65	66	
6	PCB-167L	43.78	1.23	2.00	1.29	65	
6	PCB-169L	48.22	1.23	2.00	1.50	75	
7	PCB-188L	38.07	1.01	2.00	1.59	79	
7	PCB-189L	50.77	1.07	2.00	1.28	64	
8	PCB-202L	43.52	0.88	2.00	1.52	76	
8	PCB-205L	53.38	0.93	2.00	1.45	72	
9	PCB-206L	55.14	0.76	2.00	1.73	87	
9	PCB-208L	50.29	0.78	2.00	1.65	82	
10	PCB-209L	56.78	0.68	2.00	2.01	101	
Recovery Standards							
2	PCB-009L	15.24	1.56	2.00	1.41	N/A	
4	PCB-052L	25.11	0.78	2.00	1.91	N/A	
5	PCB-101L	32.38	1.58	2.00	2.08	N/A	
6	PCB-138L	40.70	1.26	2.00	2.18	N/A	
8	PCB-194L	52.90	0.90	2.00	2.37	N/A	
Cleanup Standards							
3	PCB-028L	23.13	1.01	2.00	1.11	55	
5	PCB-111L	35.20	1.55	2.00	1.44	72	
7	PCB-178L	41.15	1.04	2.00	1.83	92	

REPORT OF LABORATORY ANALYSIS

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Method Blank Analysis Summary

Method 1668A

Page 2 of 7

Client Sample ID: **CBLKFK**
Lab Sample ID: BLANK-117865
Lab File ID: Y250315A_07
Matrix: Soil
Percent Solids: 100%
Date Collected: 03/07/2025 09:31
Date Received: 03/07/2025 09:31
Date Extracted: 03/07/2025 12:00
Date Analyzed: 03/15/2025 15:58

Prep. Technique: Soxhlet
Total Amount Extracted: 10.8g
Dry Weight Extracted: 10.8g
Extract Volume: 200 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: JRH
Instrument ID: 10MSHR12 (Y)
GC Column ID: 286731-02
Ical ID: Y250315A03
CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
1	PCB-001			ND		23.1	3.31	
1	PCB-002			ND		23.1	3.48	
1	PCB-003			ND		23.1	3.48	
2	PCB-004			ND	A	23.1	11.8	
2	PCB-005			ND	A	23.1	7.63	
2	PCB-006			ND	A	23.1	6.98	
2	PCB-007			ND	A	23.1	6.89	
2	PCB-008			ND	A	23.1	6.65	
2	PCB-009			ND	A	23.1	7.24	
2	PCB-010			ND	A	23.1	6.99	
2	PCB-011	19.05	1.51	103	J	226	84.6	
2	PCB-012/013			ND	A	46.2	7.18	
2	PCB-014			ND	A	23.1	7.00	
2	PCB-015			ND	A	30.5	6.47	
3	PCB-016			ND		23.1	6.57	
3	PCB-017			ND		23.1	7.37	
3	PCB-018/030			ND		46.2	16.5	
3	PCB-019			ND		23.1	2.57	
3	PCB-020/028			ND		119	24.8	
3	PCB-021/033			ND		125	13.6	
3	PCB-022			ND		87.8	11.6	
3	PCB-023			ND		23.1	2.58	
3	PCB-024			ND		23.1	3.63	
3	PCB-025			ND		23.1	3.22	
3	PCB-026/029			ND		46.2	5.90	
3	PCB-027			ND		23.1	4.45	
3	PCB-031			ND		120	21.0	
3	PCB-032			ND		23.1	7.19	
3	PCB-034			ND		23.1	2.83	
3	PCB-035			ND		23.1	3.42	
3	PCB-036			ND		23.1	2.55	
3	PCB-037			ND		49.0	5.48	
3	PCB-038			ND		23.1	2.18	
3	PCB-039			ND		23.1	2.86	

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Method Blank Analysis Summary

Method 1668A

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Client Sample ID: **CBLKFK**
 Lab Sample ID: BLANK-117865
 Lab File ID: Y250315A_07
 Matrix: Soil
 Percent Solids: 100%
 Date Collected: 03/07/2025 09:31
 Date Received: 03/07/2025 09:31
 Date Extracted: 03/07/2025 12:00
 Date Analyzed: 03/15/2025 15:58

Prep. Technique: Soxhlet
 Total Amount Extracted: 10.8g
 Dry Weight Extracted: 10.8g
 Extract Volume: 200 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: JRH
 Instrument ID: 10MSHR12 (Y)
 GC Column ID: 286731-02
 Ical ID: Y250315A03
 CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
4	PCB-040/041/071			ND		69.3	12.8	
4	PCB-042			ND		23.1	5.12	
4	PCB-043/073			ND		46.2	10.4	
4	PCB-044/047/065			ND		69.3	19.4	
4	PCB-045/051			ND		46.2	9.61	
4	PCB-046			ND		23.1	3.22	
4	PCB-048			ND		23.1	3.92	
4	PCB-069/049			ND		46.2	10.3	
4	PCB-050/053			ND		46.2	7.75	
4	PCB-052			ND		119	21.3	
4	PCB-054			ND		23.1	2.27	
4	PCB-055			ND		23.1	3.11	
4	PCB-056			ND		23.1	5.23	
4	PCB-057			ND		23.1	2.36	
4	PCB-058			ND		23.1	2.01	
4	PCB-059/062/075			ND		69.3	5.43	
4	PCB-060			ND		23.1	5.32	
4	PCB-061/070/074/076	30.27	0.82	17.3	J	92.4	15.9	
4	PCB-063			ND		23.1	2.48	
4	PCB-064	27.54	0.82	5.90	J	23.1	5.51	
4	PCB-066			ND		54.5	13.5	
4	PCB-067			ND		23.1	2.26	
4	PCB-068			ND		23.1	2.52	
4	PCB-072			ND		23.1	2.15	
4	PCB-077			ND		23.1	2.95	
4	PCB-078			ND		23.1	2.71	
4	PCB-079			ND		23.1	2.74	
4	PCB-080			ND		23.1	1.66	
4	PCB-081			ND		23.1	2.19	
5	PCB-082			ND		23.1	6.83	
5	PCB-083			ND		23.1	2.78	
5	PCB-084			ND		23.1	4.17	
5	PCB-085/116/117			ND		69.3	6.87	
5	PCB-086/087/097/108/119/12			ND		139	12.6	

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Method Blank Analysis Summary

Method 1668A

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Client Sample ID: **CBLKFK**
 Lab Sample ID: BLANK-117865
 Lab File ID: Y250315A_07
 Matrix: Soil
 Percent Solids: 100%
 Date Collected: 03/07/2025 09:31
 Date Received: 03/07/2025 09:31
 Date Extracted: 03/07/2025 12:00
 Date Analyzed: 03/15/2025 15:58

Prep. Technique: Soxhlet
 Total Amount Extracted: 10.8g
 Dry Weight Extracted: 10.8g
 Extract Volume: 200 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: JRH
 Instrument ID: 10MSHR12 (Y)
 GC Column ID: 286731-02
 Ical ID: Y250315A03
 CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
5	PCB-088/091			ND		46.2	6.16	
5	PCB-089			ND		23.1	3.14	
5	PCB-090/101/113			ND		69.3	12.1	
5	PCB-092			ND		23.1	3.48	
5	PCB-093/098/100/102			ND		92.4	8.88	
5	PCB-094			ND		23.1	2.10	
5	PCB-095			ND		64.7	14.8	
5	PCB-096			ND		23.1	3.95	
5	PCB-099			ND		23.1	4.66	
5	PCB-103			ND		23.1	3.01	
5	PCB-104			ND		23.1	2.68	
5	PCB-105			ND		23.1	4.10	
5	PCB-106			ND		23.1	2.42	
5	PCB-107/124			ND		46.2	4.13	
5	PCB-109			ND		23.1	3.20	
5	PCB-110/115	34.46	1.61	9.37	J	46.2	8.28	
5	PCB-111			ND		23.1	2.47	
5	PCB-112			ND		23.1	2.51	
5	PCB-114			ND		23.1	2.22	
5	PCB-118	37.55	1.56	6.09	J	36.0	5.92	
5	PCB-120			ND		23.1	2.62	
5	PCB-121			ND		23.1	2.22	
5	PCB-122			ND		23.1	3.63	
5	PCB-123			ND		23.1	2.57	
5	PCB-126			ND		23.1	2.33	
5	PCB-127			ND		23.1	2.60	
6	PCB-128/166			ND		46.2	5.06	
6	PCB-129/138/163			ND		69.3	10.1	
6	PCB-130			ND		23.1	2.77	
6	PCB-131			ND		23.1	3.05	
6	PCB-132			ND		23.1	4.42	
6	PCB-133			ND		23.1	2.92	
6	PCB-134/143			ND		46.2	4.26	
6	PCB-135/151			ND		46.2	8.57	

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Method Blank Analysis Summary

Method 1668A

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Client Sample ID: **CBLKFK**
Lab Sample ID: BLANK-117865
Lab File ID: Y250315A_07
Matrix: Soil
Percent Solids: 100%
Date Collected: 03/07/2025 09:31
Date Received: 03/07/2025 09:31
Date Extracted: 03/07/2025 12:00
Date Analyzed: 03/15/2025 15:58

Prep. Technique: Soxhlet
Total Amount Extracted: 10.8g
Dry Weight Extracted: 10.8g
Extract Volume: 200 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: JRH
Instrument ID: 10MSHR12 (Y)
GC Column ID: 286731-02
Ical ID: Y250315A03
CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
6	PCB-136			ND		23.1	4.42	
6	PCB-137			ND		23.1	3.34	
6	PCB-139/140			ND		46.2	4.09	
6	PCB-141			ND		23.1	3.74	
6	PCB-142			ND		23.1	2.71	
6	PCB-144			ND		23.1	3.73	
6	PCB-145			ND		23.1	2.43	
6	PCB-146			ND		23.1	3.65	
6	PCB-147/149			ND		46.2	10.7	
6	PCB-148			ND		23.1	5.06	
6	PCB-150			ND		23.1	2.74	
6	PCB-152			ND		23.1	2.98	
6	PCB-153/168			ND		46.2	7.06	
6	PCB-154			ND		23.1	3.07	
6	PCB-155			ND		23.1	2.75	
6	PCB-156/157			ND		46.2	3.95	
6	PCB-158			ND		23.1	2.15	
6	PCB-159			ND		23.1	2.58	
6	PCB-160			ND		23.1	2.63	
6	PCB-161			ND		23.1	2.12	
6	PCB-162			ND		23.1	2.37	
6	PCB-164			ND		23.1	2.75	
6	PCB-165			ND		23.1	1.96	
6	PCB-167			ND		23.1	2.72	
6	PCB-169			ND		23.1	2.99	
7	PCB-170			ND		23.1	4.70	
7	PCB-171/173			ND		46.2	4.36	
7	PCB-172			ND		23.1	2.99	
7	PCB-174			ND		23.1	4.92	
7	PCB-175			ND		23.1	2.29	
7	PCB-176			ND		23.1	3.23	
7	PCB-177			ND		23.1	3.99	
7	PCB-178			ND		23.1	3.22	
7	PCB-179			ND		23.1	3.58	

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Method Blank Analysis Summary

Method 1668A

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Client Sample ID: **CBLKFK**
Lab Sample ID: BLANK-117865
Lab File ID: Y250315A_07
Matrix: Soil
Percent Solids: 100%
Date Collected: 03/07/2025 09:31
Date Received: 03/07/2025 09:31
Date Extracted: 03/07/2025 12:00
Date Analyzed: 03/15/2025 15:58

Prep. Technique: Soxhlet
Total Amount Extracted: 10.8g
Dry Weight Extracted: 10.8g
Extract Volume: 200 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: JRH
Instrument ID: 10MSHR12 (Y)
GC Column ID: 286731-02
Ical ID: Y250315A03
CCal File(s): Y250315A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/Kg)	Q	CRQL (ng/Kg)	MDL (ng/Kg)	EMPC (ng/Kg)
7	PCB-180/193			ND		46.2	8.51	
7	PCB-181			ND		23.1	2.66	
7	PCB-182			ND		23.1	2.97	
7	PCB-183/185			ND		46.2	5.74	
7	PCB-184			ND		23.1	2.53	
7	PCB-186			ND		23.1	2.70	
7	PCB-187			ND		23.1	5.25	
7	PCB-188			ND		23.1	2.02	
7	PCB-189			ND		23.1	3.08	
7	PCB-190			ND		23.1	2.57	
7	PCB-191			ND		23.1	2.06	
7	PCB-192			ND		23.1	2.62	
8	PCB-194			ND		23.1	3.13	
8	PCB-195			ND		23.1	2.77	
8	PCB-196			ND		23.1	2.61	
8	PCB-197/200			ND		46.2	5.59	
8	PCB-198/199			ND		46.2	4.30	
8	PCB-201			ND		23.1	2.27	
8	PCB-202			ND		23.1	1.62	
8	PCB-203			ND		23.1	3.15	
8	PCB-204			ND		23.1	2.12	
8	PCB-205			ND		23.1	2.58	
9	PCB-206			ND		23.1	2.67	
9	PCB-207			ND		23.1	2.11	
9	PCB-208			ND		23.1	2.25	
10	PCB-209			ND		23.1	3.45	

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CB Congener Totals Summary
Method 1668A

Client Sample ID: **CBLKFK**
Lab Sample ID: BLANK-117865
Lab File ID: Y250315A_07
Matrix: Soil
Percent Solids: 100%
Date Collected: 03/07/2025 09:31
Date Received: 03/07/2025 09:31
Date Extracted: 03/07/2025 12:00
Date Analyzed: 03/15/2025 15:58

Prep. Technique: Soxhlet
Total Amount Extracted: 10.8g
Dry Weight Extracted: 10.8g
Extract Volume: 200 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: JRH
Instrument ID: 10MSHR12 (Y)
GC Column ID: 286731-02
Ical ID: Y250315A03
CCal File(s): Y250315A_02

Homologue	Concentration (ng/Kg)	Q
Total MoCB	ND	
Total DiCB	151	
Total TrCB	87.6	
Total TeCB	86.4	
Total PeCB	39.4	
Total HxCB	29.1	
Total HpCB	3.55	
Total OcCB	ND	
Total NoCB	ND	
DeCB	ND	
Total PCBs	397	

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LCS Analysis Summary

Method 1668A

Lab Sample ID LCS-117862
 Matrix Soil
 Run File Name Y250314A_05
 Amount Extracted 10.1g
 Date Extracted 03/07/2025 12:00
 Date Analyzed 03/14/2025 11:00

Injected By AH5
 Instrument ID 10MSHR12 (Y)
 Column ID 286731-02
 Ical ID Y250314A04
 CCal ID Y250314A_03
 Method Blank ID BLANK-117861

CI No	Analyte	Native Analytes				Labeled Analytes			
		Spiked (ng)	Found (ng)	% Recovery	Q	Spiked (ng)	Found (ng)	% Recovery	Q
1	PCB-001	1.00	0.873	87		2.00	1.30	65	
1	PCB-003	1.00	0.786	79		2.00	1.47	74	
2	PCB-004	1.00	0.868	87		2.00	1.64	82	
2	PCB-015	1.00	0.946	95		2.00	1.62	81	
3	PCB-019	1.00	0.906	91		2.00	1.78	89	
3	PCB-037	1.00	0.841	84		2.00	1.45	73	
4	PCB-054	1.00	0.874	87		2.00	1.33	66	
4	PCB-077	1.00	0.886	89		2.00	1.83	91	
4	PCB-081	1.00	0.853	85		2.00	1.79	90	
5	PCB-104	1.00	0.927	93		2.00	1.41	70	
5	PCB-105	1.00	0.909	91		2.00	1.52	76	
5	PCB-114	1.00	0.839	84		2.00	1.45	72	
5	PCB-118	1.00	0.894	89		2.00	1.44	72	
5	PCB-123	1.00	0.848	85		2.00	1.42	71	
5	PCB-126	1.00	0.895	89		2.00	1.73	86	
6	PCB-155	1.00	0.960	96		2.00	1.45	73	
6	PCB-156/157	2.00	1.74	87		4.00	2.92	73	
6	PCB-167	1.00	0.860	86		2.00	1.41	71	
6	PCB-169	1.00	0.821	82		2.00	1.70	85	
7	PCB-188	1.00	0.890	89		2.00	1.53	77	
7	PCB-189	1.00	0.822	82		2.00	1.40	70	
8	PCB-202	1.00	0.915	92		2.00	1.51	76	
8	PCB-205	1.00	0.877	88		2.00	1.57	78	
9	PCB-206	1.00	0.862	86		2.00	1.85	92	
9	PCB-208	1.00	0.826	83		2.00	1.68	84	
10	PCB-209	1.00	0.834	83		2.00	1.98	99	

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LCS Analysis Summary

Method 1668A

Lab Sample ID LCS-117866
 Matrix Soil
 Run File Name Y250315A_04
 Amount Extracted 10.8g
 Date Extracted 03/07/2025 12:00
 Date Analyzed 03/15/2025 12:56

Injected By JRH
 Instrument ID 10MSHR12 (Y)
 Column ID 286731-02
 Ical ID Y250315A03
 CCal ID Y250315A_02
 Method Blank ID BLANK-117865

CI No	Analyte	Native Analytes				Labeled Analytes			
		Spiked (ng)	Found (ng)	% Recovery	Q	Spiked (ng)	Found (ng)	% Recovery	Q
1	PCB-001	1.00	0.883	88		2.00	1.28	64	
1	PCB-003	1.00	0.867	87		2.00	1.33	66	
2	PCB-004	1.00	1.01	101		2.00	1.53	76	
2	PCB-015	1.00	0.945	95		2.00	1.44	72	
3	PCB-019	1.00	0.883	88		2.00	1.68	84	
3	PCB-037	1.00	0.931	93		2.00	1.22	61	
4	PCB-054	1.00	0.899	90		2.00	1.23	61	
4	PCB-077	1.00	0.894	89		2.00	1.51	76	
4	PCB-081	1.00	0.914	91		2.00	1.43	72	
5	PCB-104	1.00	0.927	93		2.00	1.44	72	
5	PCB-105	1.00	0.939	94		2.00	1.30	65	
5	PCB-114	1.00	0.848	85		2.00	1.29	64	
5	PCB-118	1.00	0.954	95		2.00	1.26	63	
5	PCB-123	1.00	0.883	88		2.00	1.29	65	
5	PCB-126	1.00	0.965	96		2.00	1.40	70	
6	PCB-155	1.00	0.968	97		2.00	1.49	74	
6	PCB-156/157	2.00	1.79	90		4.00	2.47	62	
6	PCB-167	1.00	0.920	92		2.00	1.21	60	
6	PCB-169	1.00	0.921	92		2.00	1.35	68	
7	PCB-188	1.00	0.936	94		2.00	1.64	82	
7	PCB-189	1.00	0.873	87		2.00	1.22	61	
8	PCB-202	1.00	0.914	91		2.00	1.57	78	
8	PCB-205	1.00	0.853	85		2.00	1.42	71	
9	PCB-206	1.00	0.886	89		2.00	1.68	84	
9	PCB-208	1.00	0.888	89		2.00	1.59	79	
10	PCB-209	1.00	0.903	90		2.00	1.93	97	

REPORT OF LABORATORY ANALYSIS

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LCS Analysis Summary

Method 1668A

Lab Sample ID LCSD-117867
 Matrix Soil
 Run File Name Y250315A_05
 Amount Extracted 11.0g
 Date Extracted 03/07/2025 12:00
 Date Analyzed 03/15/2025 13:56

Injected By JRH
 Instrument ID 10MSHR12 (Y)
 Column ID 286731-02
 Ical ID Y250315A03
 CCal ID Y250315A_02
 Method Blank ID BLANK-117865

CI No	Analyte	Native Analytes				Labeled Analytes			
		Spiked (ng)	Found (ng)	% Recovery	Q	Spiked (ng)	Found (ng)	% Recovery	Q
1	PCB-001	1.00	0.850	85		2.00	1.30	65	
1	PCB-003	1.00	0.836	84		2.00	1.37	68	
2	PCB-004	1.00	0.974	97		2.00	1.61	81	
2	PCB-015	1.00	0.992	99		2.00	1.49	74	
3	PCB-019	1.00	0.863	86		2.00	1.77	88	
3	PCB-037	1.00	0.942	94		2.00	1.30	65	
4	PCB-054	1.00	0.826	83		2.00	1.33	67	
4	PCB-077	1.00	0.917	92		2.00	1.56	78	
4	PCB-081	1.00	0.898	90		2.00	1.54	77	
5	PCB-104	1.00	0.876	88		2.00	1.49	74	
5	PCB-105	1.00	0.922	92		2.00	1.31	65	
5	PCB-114	1.00	0.840	84		2.00	1.28	64	
5	PCB-118	1.00	0.908	91		2.00	1.30	65	
5	PCB-123	1.00	0.909	91		2.00	1.27	64	
5	PCB-126	1.00	0.912	91		2.00	1.41	70	
6	PCB-155	1.00	0.975	98		2.00	1.54	77	
6	PCB-156/157	2.00	1.75	88		4.00	2.60	65	
6	PCB-167	1.00	0.899	90		2.00	1.25	63	
6	PCB-169	1.00	0.864	86		2.00	1.44	72	
7	PCB-188	1.00	0.871	87		2.00	1.73	86	
7	PCB-189	1.00	0.893	89		2.00	1.25	63	
8	PCB-202	1.00	0.879	88		2.00	1.59	80	
8	PCB-205	1.00	0.848	85		2.00	1.40	70	
9	PCB-206	1.00	0.865	87		2.00	1.67	83	
9	PCB-208	1.00	0.865	86		2.00	1.61	80	
10	PCB-209	1.00	0.831	83		2.00	1.95	97	

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Spike Recovery Relative Percent Difference (RPD) Results

Method 1668A

Spike 1 ID LCS-117866
Spike 1 Filename Y250315A_04

Spike 2 ID LCSD-117867
Spike 2 Filename Y250315A_05

Compound	Spike 1 %Rec.	Spike 2 %Rec.	RPD	Q
PCB-001	88	85	3.9	
PCB-003	87	84	3.6	
PCB-004	101	97	3.2	
PCB-015	95	99	4.8	
PCB-019	88	86	2.3	
PCB-037	93	94	1.1	
PCB-054	90	83	8.5	
PCB-077	89	92	2.5	
PCB-081	91	90	1.8	
PCB-104	93	88	5.6	
PCB-105	94	92	1.9	
PCB-114	85	84	1.0	
PCB-118	95	91	4.9	
PCB-123	88	91	2.9	
PCB-126	96	91	5.6	
PCB-155	97	98	0.7	
PCB-156/157	90	88	2.3	
PCB-167	92	90	2.3	
PCB-169	92	86	6.4	
PCB-188	94	87	7.2	
PCB-189	87	89	2.2	
PCB-202	91	88	3.8	
PCB-205	85	85	0.6	
PCB-206	89	87	2.4	
PCB-208	89	86	2.6	
PCB-209	90	83	8.3	

%REC = Percent Recovery

RPD = Relative Percent Difference

REPORT OF LABORATORY ANALYSIS

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Appendix D

Data Usability Summary Report

Data Usability Summary Report

Project Name: Portland Harbor – BP Remediation

Project Description: Water and Soil PCB Congener Samples

Sample Date(s): February 6-7 and 11, 2025

Analytical Laboratory: Pace Analytical Services, LLC – Minneapolis, MN

Validation Performed by: Gabrielle Wolfe

Validation Reviewed by: Vanessa Godard

Validation Date: May and June, 2025

Revision Date: July 8, 2025

Haley & Aldrich, Inc. prepared this Data Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for the Sample Delivery Groups (SDGs) listed. This DUSR is organized into the following sections:

- 1. Sample Delivery Group Number 10723330, 10723332, and 10723702**
 - 2. Explanations**
 - 3. Glossary**
 - 4. Abbreviations**
 - 5. Qualifiers**
- References**

This data validation and usability assessment was performed per the guidance and requirements established by the United States Environmental Protection Agency (USEPA) using the following reference materials:

- National Functional Guidelines (NFG) for High-Resolution Superfund Methods Data Review.
- The project-specific Work Plan (WP) herein referred to as the specified limits (see references section).

Data reported in this sampling event were reported to the laboratory method detection limit (MDL) for groundwater, or to the estimated detection limit/Method Reporting/Quantitation Limit (EML) for soils. Results found between the MDL/EML and reporting limit (RL) are flagged J as estimated.

Sample data were qualified in accordance with the laboratory's standard operating procedures (SOPs). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQOs) for the project and are therefore usable; any exceptions are noted in the following pages.

Work Plan Exceptions

- A rinsate blank was not collected from the decontaminated mixing bowls and spoons anticipated to be used for homogenizing the soil samples as specified in the Work Plan because the samples were homogenized using dedicated (disposable) equipment.

1. Sample Delivery Group Number 10723330, 10723332, and 10723702

1.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of SDG number(s):

- 10723330, dated March 5, 2025;
- 10723332, dated April 30, 2025; and
- 10723702, dated April 22, 2025.

Samples were collected, preserved, and shipped following standard chain of custody (COC) protocols. Samples were also received appropriately, identified correctly, and analyzed according to the COC.

Analyses were performed on the following samples:

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods	Holding Time
GW-MW17-250206	N	10723330001	02/06/2025	Groundwater	Poly-Chlorinated Biphenyl (PCBs) Congeners by EPA 1668A	365 days
RB-MW17-250206	EB	10723330002	02/06/2025	Blank		
GW-P24-250207	N	10723330003	02/07/2025	Groundwater		
GW-P24-FD-250207	FD	10723330004	02/07/2025	Groundwater		
SB-01-06-08-250206	N	10723332001	02/06/2025	Soil		
SB-01-08-10-250206	N	10723332002	02/06/2025	Soil		
SB-01-10-12-250206	N	10723332003	02/06/2025	Soil		
SB-01-12-14-250206	N	10723332004	02/06/2025	Soil		
SB-01-28-30-250206	N	10723332005	02/06/2025	Soil		
SB-01-32-34-250206	N	10723332006	02/06/2025	Soil		
SB-01-30-32-250206	N	10723332007	02/06/2025	Soil		
SB-01-FD-250206	FD	10723332008	02/06/2025	Soil		
SB-05-08-10-250207	N	10723332009	02/07/2025	Soil		
SB-05-15-16-250207	N	10723332010	02/07/2025	Soil		
SB-05-16-18-250207	N	10723332011	02/07/2025	Soil		
SB-05-18-20-250207	N	10723332012	02/07/2025	Soil		
SB-05-28-30-250207	N	10723332013	02/07/2025	Soil		
SB-05-30-32-250207	N	10723332014	02/07/2025	Soil		
SB-05-32-34-250207	N	10723332015	02/07/2025	Soil		
SB-04-06-08-250207	N	10723332016	02/07/2025	Soil		
SB-04-08-10-250207	N	10723332017	02/07/2025	Soil		
SB-04-17-19-250207	N	10723332018	02/07/2025	Soil		
SB-04-19-20-250207	N	10723332019	02/07/2025	Soil		
SB-04-26-28-250207	N	10723332020	02/07/2025	Soil		
SB-04-30-32-250207	N	10723332021	02/07/2025	Soil		
SB-04-32-34-250207	N	10723332022	02/07/2025	Soil		
SB-02-06-08-250211	N	10723702001	02/11/2025	Soil		

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods	Holding Time
SB-02-08-9.5-250211	N	10723702002	02/11/2025	Soil	Poly-Chlorinated Biphenyl (PCBs) Congeners by EPA 1668A	365 days
SB-02-9.5-11-250211	N	10723702003	02/11/2025	Soil		
SB-02-11-12-250211	N	10723702004	02/11/2025	Soil		
SB-02-17-27-250211	N	10723702005	02/11/2025	Soil		
SB-02-29-31-250211	N	10723702006	02/11/2025	Soil		
SB-02-31-33-250211	N	10723702007	02/11/2025	Soil		
SB-02-FD-250211	FD	10723702008	02/11/2025	Soil		
SB-03-06-08-250211	N	10723702009	02/11/2025	Soil		
SB-03-08-09-250211	N	10723702010	02/11/2025	Soil		
SB-03-09-11-250211	N	10723702011	02/11/2025	Soil		
SB-03-11-13-250211	N	10723702012	02/11/2025	Soil		
SB-03-13-15-250211	N	10723702013	02/11/2025	Soil		
SB-03-15-17-250211	N	10723702014	02/11/2025	Soil		
SB-03-17-19-250211	N	10723702015	02/11/2025	Soil		
SB-03-19-21-250211	N	10723702016	02/11/2025	Soil		
SB-03-21-23-250211	N	10723702017	02/11/2025	Soil		
SB-03-23-25-250211	N	10723702018	02/11/2025	Soil		
SB-03-25-27-250211	N	10723702019	02/11/2025	Soil		
SB-03-FD-250211	FD	10723702020	02/11/2025	Soil		
SB-03-27-29-250211	N	10723702021	02/11/2025	Soil		
SB-03-29-31-250211	N	10723702022	02/11/2025	Soil		
SB-03-37-39-250211	N	10723702023	02/11/2025	Soil		
SB-03-31-33-250211	N	10723702024	02/11/2025	Soil		

1.2 HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified per method protocol.

1.3 REPORTING LIMITS AND SAMPLE DILUTIONS

Dilutions performed on site samples were preparation dilutions. All sample dilutions were reviewed and found to be justified. Dilution of the project samples were required to bring calibration of target analytes within calibration range or matrix interference.

When an EML value is above the MDL value, the EML is provided instead of the MDL. Impacted results have sensitivity that was not sufficient to measure down to the MDL.

1.4 REPORTING BASIS (WET/DRY)

[Refer to Section E 1.1.](#) Soil data in these SDGs were reported on a dry-weight basis. Where reported, percent moisture results were reviewed and found to be within limits, with the following exceptions:

Sample ID	Lab ID	%Moisture Result	Qualification
SB-04-26-28-250207	10723332020	75.7	All data qualified J-/UJ

1.5 SURROGATE RECOVERY COMPLIANCE

[Refer to Section E 1.2.](#) The percent recovery (%R) for each surrogate compound added to each project sample were determined to be within the laboratory-specified quality control (QC) limits.

1.6 LABORATORY CONTROL SAMPLES

[Refer to Section E 1.3.](#) Compounds associated with the laboratory control samples and/or laboratory control sample duplicate (LCS/LCSD) analyses associated with client samples exhibited recoveries and relative percent differences (RPDs) within the specified limits.

1.7 MATRIX SPIKE SAMPLES

[Refer to Section E 1.4.](#) The sample(s) below were used for MS/MSD:

Lab Sample Number	Matrix Spike/Matrix Spike Duplicate Sample Client ID	Method(s)
10723332001	SB-01-06-08-250206	EPA 1668A
10723332021	SB-04-30-32-250207	

The MS/MSD recoveries and the RPD between the MS and MSD results were within the specified limits.

1.8 BLANK SAMPLE ANALYSIS

[Refer to Section E 1.5.](#) Method blank samples had no detections, indicating that no contamination from laboratory activities occurred, with the exceptions listed in Table 1.

The analysis of the blank samples for field quality control had no detections, indicating that no contamination from field activities occurred.

1.9 DUPLICATE SAMPLE ANALYSIS

[Refer to Section E 1.6.](#) The laboratory did not analyze any laboratory duplicates as per the method or laboratory SOP.

The following sample(s) were used for field duplicate analysis. RPDs were all below 35 percent for water and 50 percent for soil (or the absolute difference rule was satisfied if detects were less than 5 times the MDL/EML). Any exceptions are noted below and qualified.

Primary Sample ID	Duplicate Sample ID	Method(s)
GW-P24-250207	GW-P24-FD-250207	EPA 1668A
SB-01-30-32-250206	SB-01-FD-250206	
SB-02-11-12-250211	SB-02-FD-250211	
SB-03-25-27-250211	SB-03-FD-250211	

Field Duplicate RPD Calculations:

Method(s): E1668A				
Analyte (ng/L)	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
	GW-P24-250207	GW-P24-FD-250207		
PCB 170	0.0204 J	ND U	NA	J/UJ, Abs. Diff. > MDL
Analyte (ng/kg)	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
	SB-02-11-12-250211	SB-02-FD-250211		
PCB 130	14.7 J	19.9 J	NA	J/UJ, Abs. Diff. > EML
PCB 159	10.8 J	7.44 J	NA	J/UJ, Abs. Diff. > EML
PCB 207	6.9 J	9.6 J	NA	J/UJ, Abs. Diff. > EML
PCB 58	ND U	5.86 J	NA	J/UJ, Abs. Diff. > EML
Analyte (ng/kg)	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
	SB-03-25-27-250211	SB-03-FD-250211		
PCB 137	179	130	NA	J/UJ, Abs. Diff. > EML
PCB 165	173	ND U	NA	J/UJ, Abs. Diff. > EML
PCB 17	37.1	51.4	NA	J/UJ, Abs. Diff. > EML
PCB 18/30	90.5	134	NA	J/UJ, Abs. Diff. > EML
PCB 187	37000	19.4 J	NA	J/UJ, Abs. Diff. > EML
PCB 79	11.7 J	78.8	NA	J/UJ, Abs. Diff. > EML
PCB 89	9.93 J	ND U	NA	J/UJ, Abs. Diff. > EML
PCB 93/98/100/102	36.1 J	16.3 J	NA	J/UJ, Abs. Diff. > EML
PCB 154	70.2	39.9	55	J/UJ, RPD>50
PCB 172	5210	74.4	194	J/UJ, RPD>50
Analyte (ng/kg)	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
	SB-03-25-27-250211	SB-03-FD-250211		
PCB 192	ND U	4880	200	J/UJ, RPD>50
PCB 82	158	275	54	J/UJ, RPD>50
PCB 83	152	287	62	J/UJ, RPD>50
PCB 92	1590	ND U	199	J/UJ, RPD>50

* Qualified non-detect (ND) based on method blank contamination.

1.10 PRECISION AND ACCURACY

[Refer to Section E 1.7.](#) Where required by the method, some measurement of analytical accuracy and precision was reported for each method with the site samples.

1.11 ESTIMATED MAXIMUM POSSIBLE CONCENTRATION (EMPC)

[Refer to Section E 1.9.](#) The laboratory reported the EMPC flags listed in Table 2.

1.12 PESTICIDE/POLYCHLORINATED BIPHENYLS CLEANUP PROCEDURE CHECKS

[Refer to Section E 1.10.](#) Recoveries were reviewed and found to be within limits.

1.13 INTERNAL STANDARDS

[Refer to Section E 1.22.](#) Recoveries were reviewed and found to be within the specified limits.

1.14 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The results presented in this report were found to comply with the DQOs for the project and the guidelines specified by the analytical method. Based on the review of this report, the data are useable and acceptable, as no data was rejected. A summary of qualifiers applied to this dataset is shown in Table 3.

2. Explanations

The following explanations include more detailed information regarding each of the sections in the DUSR above. Not all sections in the Explanations are represented:

- E 1.1 Reporting Basis (Wet/Dry)
 - Soil samples can be reported on either a wet (as received) or dry-weight basis. Dry weight data indicate calculations were made to compensate for the moisture content of the soil sample.
 - Percent (%) solids should be appropriately considered when evaluating analytical results for non-aqueous samples. Sediments with high moisture content may or may not be successfully analyzed by routine analytical methods. Samples should have greater than or equal to 30 percent solids to be appropriately quantified.
- E 1.2 Surrogate Recovery Compliance
 - Surrogates, also known as system monitoring compounds, are compounds added to each sample prior to sample preparation to determine the efficiency of the extraction procedure by evaluating the %R of the compounds.
- E 1.3 Laboratory Control Samples
 - The LCS/LCSD analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.4 Matrix Spike Samples
 - MS/MSD data are used to assess the precision and accuracy of the analytical method and evaluate the effects of the sample matrix on the sample preparation procedures and measurement methodologies.
- E 1.5 Blank Sample Analysis
 - Method blanks are prepared by the analytical laboratory and analyzed concurrently with the project samples to assess possible laboratory contamination.
 - Field blanks are prepared to identify contamination that may have been introduced during field activity. Equipment blanks are prepared to identify contamination that may have been introduced while decontaminating sampling equipment. Trip blanks are prepared when volatile analysis is requested to identify contamination that may have been introduced during transport.
- E 1.6 Laboratory and Field Duplicate Sample Analysis
 - The laboratory duplicate sample analysis is used by the laboratory at the time of the analysis to demonstrate acceptable method precision. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.
 - The field duplicate sample analysis is used to assess the precision of the field sampling procedures and analytical method. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.

- E 1.7 Precision and Accuracy
 - Precision measures the reproducibility of repetitive measurements. In a laboratory environment, this will be measured by determining the RPD found between a primary and a duplicate sample. This can be an LCS/LCSD pair, a MS/MSD pair, a laboratory duplicate performed on a site sample, or a field duplicate collected and analyzed concurrently with a site sample.
 - Accuracy is a statistical measurement of the correctness of a measured value and includes components of random error (variability caused by imprecision) and systematic error. In a laboratory environment, this will be measured by determining the %R of certain spiked compounds. This can be assessed using LCS, blank spike (BS), MS, and/or surrogate recoveries.
- E 1.9 Estimated Maximum Possible Concentration
 - An Estimated Maximum Possible Concentration (EMPC) is a worst-case estimate of the concentration for a dioxin/furan or PCB based on all identification criteria being met except the ion abundance ratio criteria, or if a peak representing a chlorinated diphenyl ether was detected.
- E 1.10 Polychlorinated Biphenyls Cleanup Procedure Checks
 - PCB sulfur cleanup procedures remove elemental sulfur from sample extracts prior to analysis. If not removed, sulfur may cause a rise in the chromatographic baseline, preventing accurate analyte identification and quantitation.
- 1.22 Internal Standards
 - Internal standards are compounds added to each sample by the laboratory prior to sample analysis to ensure that instrument sensitivity and response are stable during each analysis.

3. Glossary

*Analyte names may be abbreviated for simplicity. Please reference the laboratory report for the full analyte name.

Not all of the following symbols, acronyms, or qualifiers occur in this document.

- Sample Types:
 - EB Equipment Blank Sample
 - FB Field Blank Sample
 - FD Field Duplicate Sample
 - N Primary Sample
 - TB Trip Blank Sample
- Units:

– ng/kg	nanograms per kilogram	– ppbv/v	parts per billion volume/volume
– µg/L	micrograms per liter	– pCi/L	picocuries per liter
– µg/m ³	micrograms per cubic meter	– pg/g	picograms per gram
– mg/kg	milligrams per kilogram	– pg/L	picograms per liter
– mg/L	milligrams per liter		
- Matrices:

– AA	Ambient Air	– SSV	Sub-slab Vapor
– GS	Soil Gas	– ST	Solid Waste
– GW/WG	Groundwater	– WQ	Water Quality control matrix
– IA	Indoor Air	– WS	Surface Water
– SE	Sediment	– WW	Waste Water
– SO	Soil		
- Table Footnotes:
 - NA Not applicable
 - ND Non-detect
- Common Symbols:

– %	percent
– <	less than
– ≤	less than or equal to
– >	greater than
– ≥	greater than or equal to
– =	equal
– °C	degrees Celsius
– ±	plus or minus
– x	times (multiplier)
- Fractions:

– N	Normal (method cannot be filtered)
– D	Dissolved (filtered)
– T	Total (unfiltered)

4. Abbreviations

%D	Percent Difference	MDL	Laboratory Method Detection Limit
%R	Percent Recovery	MS/MSD	Matrix Spike/Matrix Spike Duplicate
%RSD	Percent Relative Standard Deviation	NA	not applicable
%v/v	Percent volume by volume	ND	Non-Detect
2s	2 sigma	NFG	National Functional Guidelines
4,4-DDT	4 4-dichlorodiphenyltrichloroethane	NH ₃	Ammonia
Abs Diff	Absolute Difference	NYSDEC	New York State Department of Environmental Conservation
amu	atomic mass unit	PAH	Polycyclic Aromatic Hydrocarbon
BPJ	Best Professional Judgement	PCB	Polychlorinated Biphenyl
BS	Blank Spike	PDS	Post-Digestion Spike
CCB	Continuing Calibration Blank	PEM	Performance Evaluation Mixture
CCV	Continuing Calibration Verification	PFAS	Per- and Polyfluoroalkyl Substances
CCVL	Continuing Calibration Verification Low	PFBA	Perfluorobutanoic Acid
COC	Chain of Custody	PFD	Perfluorodecalin
COM	Combined Isotope Calculation	PFOA	Perfluorooctanoic Acid
Cr (VI)	Hexavalent Chromium	PFOS	Perfluorooctane sulfonate
CRI	Collision Reaction Interface	PFPeA	Perfluoropentanoic Acid
DoD	Department of Defense	QAPP	Quality Assurance Project Plan
DQO	data quality objective	QC	Quality Control
DUSR	Data Usability Summary Report	QSM	Quality Systems Manual
EIS	Extraction Internal Standard	R ²	R-squared value
EMPC	Estimated Maximum Possible Concentration	Ra-226	Radium-226
FBK	Field Blank Contamination	Ra-228	Radium-228
FDP	Field Duplicate	RESC	Resolution Check Measure
GC	Gas Chromatograph	RL	Laboratory Reporting Limit
GC/MS	Gas Chromatography/Mass Spectrometry	RPD	Relative Percent Difference
GPC	Gel Permeation Chromatography	RRF	Relative Response Factor
H ₂	Hydrogen gas	RT	Retention Time
HCl	Hydrochloric Acid	SAP	Sampling Analysis Plan
ICAL	Initial Calibration	SDG	Sample Delivery Group
ICB	Initial Calibration Blank	SIM	Selected ion monitoring
ICP/MS	Inductively Coupled Plasma/Mass Spectrometry	SOP	Standard Operating Procedure
ICV	Initial Calibration Verification	SPE	Solid-Phase Extraction
ICVL	Initial Calibration Verification Low	SVOC	Semi-Volatile Organic Compound
IPA	Isopropyl Alcohol	TCLP	Toxicity Characteristic Leaching Procedure
LC	Laboratory Control	TIC	Tentatively Identified Compound
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate	TKN	Total Kjeldahl Nitrogen
MBK	Method Blank Contamination	TPH	Total Petroleum Hydrocarbon
MDC	Minimum Detectable Concentration	TPU	Total Propagated Uncertainty
		USEPA	U.S. Environmental Protection Agency
		VOC	Volatile Organic Compound
		WP	Work Plan

5. Qualifiers

The qualifiers below are from the USEPA NFG and the data in the DUSR may contain these qualifiers:

- Concentration (C) Qualifiers:
 - U The compound was analyzed for but not detected. The associated value is either the compound quantitation limit if not detected by the analytical instrument or could be the reported or blank concentration if qualified by blank contamination. This can also be displayed as less than the associated compound quantitation limit (<RL or <MDL), or “ND”.
 - B The compound was found in the sample and its associated blank. Its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers:
 - E The compound was quantitated above the calibration range.
 - D The concentration is based on a diluted sample analysis.
- Validation Qualifiers:
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - J+ The result is an estimated quantity, but the result may be biased high.
 - J- The result is an estimated quantity, but the result may be biased low.
 - J/UJ as listed in exception tables J applies to detected data and UJ applies to non-detected data as reported by the laboratory.
 - UJ The compound was not detected. The reported sample quantitation limit is approximate.
 - NJ The analysis indicated the presence of a compound for which there is presumptive evidence to make a tentative identification; the associated numerical value is an estimated concentration only.
 - R The sample results were rejected as unusable; the compound may or may not be present in the sample.
 - S Result is suspect. See DUSR for details.

References

1. AECOM, 2024. *2024 PCB Assessment Work Plan*, Seaport Midstream Partners, LLC. Portland Terminal. 9930 NW St. Helens Road Portland, Oregon. ESCI# 1528. Revision 1. December.
2. United States Environmental Protection Agency, 2020. *National Functional Guidelines for High Resolution Superfund Methods Data Review*. EPA-542-R-20-007. November.

Attachments:

- Table 1 – Method Blank Summary
- Table 2 – EMPC Summary
- Table 3 – System Performance Summary

TABLE 1
METHOD BLANK SUMMARY

SDG	Method	Batch ID	Analyte Detected in Blank	Concentration	Unit	Qualifier	Affected Samples
10723330	EPA 1668A	BLANK-117703	PCB-129/138/163	0.0486 J	ng/L	RL U	10723330001, -003, -004
			PCB-132	0.0185 J			10723330001, -003
			PCB-135/151	0.0212 J			10723330001, -003, -004
			PCB-141	0.0119 J			10723330001, -003
			PCB-147/149	0.0614 J			10723330001, -003, -004
			PCB-153/168	0.0441 J			10723330001, -003
			PCB-174	0.0173 J			10723330001, -003, -004
			PCB-177	0.0108 J			10723330001, -003
			PCB-179	0.0103 J			10723330001, -003, -004
			PCB-180/193	0.0209 J			10723330001, -003, -004
			PCB-187	0.0181 J			10723330001, -003, -004
10723332		BLANK-117852	PCB-008	6.94 J	ng/Kg	RL U	10723332001 through -020
			PCB-011	205 J		RL U	10723332001, -002, -003, -006, -007, -009, -011, -012, -013, -015, -017
						J+	10723332004, -005, -008, -010, -014, -016, -018, -019, -020
			PCB-035	3.71 J		RL U	10723332001 through -005, -007, -008, -009, -010, -014 through -020
			PCB-037	5.87 J		RL U	10723332001, -002, -004, -008, -014, -016, -018, -019, -020
			PCB-044/047/065	23.9 J		RL U	10723332001, -002 -008, -018, -019, -020
						J+	10723332016
			PCB-052	27.0 J		RL U	10723332001 through -005, -008, -009, -010, -012 through -015, -017 thorough -020
						J+	10723332016
			PCB-056	6.46 J		RL U	10723332001, -002, -004, -008, -018, -019, -020
						J+	10723332016
			PCB-061/070/074/076	22.6 J		RL U	10723332001, -002, -004, -017 through -020
						J+	10723332016
			PCB-064	7.38 J		RL U	10723332001, -002, -019, -020
				J+		10723332016, -018	
	PCB-110/115		10.0 J	RL U		10723332002, -010, -013, -014, -017, -019, -020	
				J+		10723332009	
	PCB-118		6.22 J	RL U		10723332003, -004, -008, -009, -010, -012, -014, -017, -019, -020	
				J+		10723332001	
10723332 10723702	BLANK-117861	PCB-011	90.7 J	RL U	10723332022 10723702001, -003 through -018		
10723702	BLANK-117865	PCB-011	103 J	RL U	10723702019 through -024		
		PCB-061/070/074/076	17.3 J	RL U	10723702023		
		PCB-064	5.90 J	RL U	10723702022, -023		
		PCB-110/115	9.37 J	RL U	10723702023		
		PCB-118	6.09 J	RL U	10723702023		

TABLE 2
EMPC SUMMARY

Method	Lab ID	Analyte	Concentration (ng/Kg unless noted)	Qualifier	Affected Samples
EPA 1668A	10723330001	PCB-001	0.0239 ng/L	J	GW-MW17-250206
		PCB-003	0.0155 ng/L		
	10723332001	PCB-046	4.77		SB-01-06-08-250206
		PCB-099	32.9		
		PCB-109	3.82		
		PCB-134/143	9.46		
		PCB-137	4.38		
		PCB-144	6.93		
		PCB-155	3.45		
		PCB-156/157	9.98		
	10723332002	PCB-035	4.19		SB-01-08-10-250206
		PCB-044/047/065	23.6		
		PCB-099	5.1		
	10723332003	PCB-035	3.37		SB-01-10-12-250206
		PCB-088/091	7.05		
		PCB-129/138/163	9.92		
		PCB-174	3.62		
	10723332004	PCB-184	2.8		SB-01-12-14-250206
	10723332005	PCB-132	3.56		SB-01-28-30-250206
		PCB-153/168	9.16		
	10723332009	PCB-130	9.88		SB-05-08-10-250207
		PCB-176	11.3		
		PCB-205	3.01		
	10723332010	PCB-206	7.29		SB-05-15-16-250207
		PCB-209	4.22		
	10723332013	PCB-008	9.34		SB-05-28-30-250207
	10723332014	PCB-002	8.2		SB-05-30-32-250207
		PCB-016	7.31		
		PCB-141	6.42		
	10723332016	PCB-006	2.07		SB-04-06-08-250207
		PCB-063	2.08		
		PCB-123	2.6		
		PCB-144	17.7		
	10723332017	PCB-016	7.32		SB-04-08-10-250207
		PCB-179	6.84		
		PCB-194	6.52		
		PCB-195	10.1		
	10723332018	PCB-006	2.9		SB-04-17-19-250207
		PCB-048	6.9		
		PCB-191	4.53		
		PCB-201	8.72		
		PCB-209	26.2		

TABLE 2
EMPC SUMMARY

Method	Lab ID	Analyte	Concentration (ng/Kg unless noted)	Qualifier	Affected Samples
EPA 1668A	10723332019	PCB-006	6.31	J	SB-04-19-20-250207
		PCB-048	11.7		
		PCB-060	12.8		
		PCB-084	14.8		
		PCB-095	37.3		
		PCB-146	12.5		
		PCB-178	9.59		
		PCB-195	12		
		PCB-202	7.68		
	10723332020	PCB-048	28.5		SB-04-26-28-250207
		PCB-092	14.6		
	10723702002	PCB-141	5.33		SB-02-08-9.5-250211
	10723702003	PCB-174	4.6		SB-02-9.5-11-250211
	10723702004	PCB-060	6.03		SB-02-11-12-250211
		PCB-083	3.2		
		PCB-088/091	6.69		
		PCB-130	14.7		
		PCB-165	2.62		
		PCB-191	10.4		
		PCB-207	6.9		
	10723702005	PCB-048	5.88		SB-02-17-27-250211
		PCB-105	7.28		
		PCB-207	3.66		
	10723702006	PCB-205	8.76		SB-02-29-31-250211
		PCB-207	5.87		
	10723702008	PCB-060	6.17		SB-02-FD-250211
		PCB-083	3.14		
		PCB-131	3.6		
	10723702010	PCB-099	5.29		SB-03-08-09-250211
		PCB-105	5.26		
		PCB-141	6.39		
		PCB-190	4.44		
		PCB-195	10.9		
	10723702012	PCB-056	14.9		SB-03-11-13-250211
	10723702013	PCB-083	3.4		SB-03-13-15-250211
		PCB-088/091	6.6		
		PCB-109	3.36		
		PCB-133	3.56		
		PCB-205	6.82		
		PCB-207	9.78		
	10723702014	PCB-016	12		SB-03-15-17-250211
		PCB-079	5.78		
		PCB-162	12		
		PCB-169	13.5		
		PCB-209	18.5		

TABLE 2
EMPC SUMMARY

Method	Lab ID	Analyte	Concentration (ng/Kg unless noted)	Qualifier	Affected Samples
EPA 1668A	10723702015	PCB-099	11.2	J	SB-03-17-19-250211
	10723702016	PCB-064	8.68		SB-03-19-21-250211
		PCB-133	8.1		
	10723702017	PCB-021/033	28.9		SB-03-21-23-250211
		PCB-037	11.2		
		PCB-106	5.09		
		PCB-154	9.27		
		PCB-169	8.34		
		PCB-181	6.3		
		PCB-181	6.3		
	10723702018	PCB-067	5.98		SB-03-23-25-250211
		PCB-079	6.56		
		PCB-103	22.1		
		PCB-120	5.1		
		PCB-169	30.9		
	10723702019	PCB-025	9.48		SB-03-25-27-250211
		PCB-035	10.4		
		PCB-046	7.67		
		PCB-089	9.93		
		PCB-148	7.39		
		PCB-150	4.74		
		PCB-169	42.6		
	10723702020	PCB-081	4.96		SB-03-FD-250211
		PCB-169	45.3		
		PCB-209	44.7		
	10723702021	PCB-042	28.2		SB-03-27-29-250211
		PCB-045/051	13.3		
		PCB-059/062/075	6.62		
		PCB-154	21.8		
		PCB-169	21.9		
	10723702022	PCB-060	18.4		SB-03-29-31-250211
		PCB-082	28.6		
		PCB-103	11.8		
		PCB-109	24.2		
	10723702023	PCB-056	8.43		SB-03-37-39-250211
	10723702024	PCB-032	16.2		SB-03-31-33-250211
		PCB-035	6.76		
		PCB-046	5.6		
		PCB-048	23.4		
		PCB-050/053	16.6		
		PCB-165	70.9		
		PCB-169	28.2		

TABLE 3
SYSTEM PERFORMANCE SUMMARY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
10723330	EPA 1668A	NA	GW-MW17-250206	10723330001	(PCB 1) 2-Chlorobiphenyl	0.0239 J	0.0239 J	EMC
10723330	EPA 1668A	NA	GW-MW17-250206	10723330001	(PCB 3) 4-Monochlorobiphenyl	0.0155 J	0.0155 J	EMC
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 109) 2,3,3',4,6-Pentachlorobiphenyl	3.82 J	3.82 J	EMC
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 134/143) Hexachlorobiphenyl	9.46 J	9.46 J	EMC
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl	4.38 J	4.38 J	EMC
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 144) 2,2',3,4,5',6-Hexachlorobiphenyl	6.93 J	6.93 J	EMC
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 155) 2,2',4,4',6,6'-Hexachlorobiphenyl	3.45 J	3.45 J	EMC
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 156/157) 2,3,3',4,4',5/2,3,3',4,4',5'-Hexachlorobiphenyl	9.98 J	9.98 J	EMC
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 46) 2,2',3,6'-Tetrachlorobiphenyl	4.77 J	4.77 J	EMC
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 99) 2,2',4,4',5-Pentachlorobiphenyl	32.9	32.9 J	EMC
10723332	EPA 1668A	Dry	SB-01-08-10-250206	10723332002	(PCB 99) 2,2',4,4',5-Pentachlorobiphenyl	5.1 J	5.1 J	EMC
10723332	EPA 1668A	Dry	SB-01-10-12-250206	10723332003	(PCB 129/138/163) Hexachlorobiphenyl	9.92 J	9.92 J	EMC
10723332	EPA 1668A	Dry	SB-01-10-12-250206	10723332003	(PCB 174) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	3.62 J	3.62 J	EMC
10723332	EPA 1668A	Dry	SB-01-10-12-250206	10723332003	(PCB 88/91) Pentachlorobiphenyl	7.05 J	7.05 J	EMC
10723332	EPA 1668A	Dry	SB-01-12-14-250206	10723332004	(PCB 184) 2,2',3,4,4',6,6'-Heptachlorobiphenyl	2.8 J	2.8 J	EMC
10723332	EPA 1668A	Dry	SB-01-28-30-250206	10723332005	(PCB 132) 2,2',3,3',4,6'-Hexachlorobiphenyl	3.56 J	3.56 J	EMC
10723332	EPA 1668A	Dry	SB-01-28-30-250206	10723332005	(PCB 153/168) Hexachlorobiphenyl	9.16 J	9.16 J	EMC
10723702	EPA 1668A	Dry	SB-02-08-9.5-250211	10723702002	(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl	5.33 J	5.33 J	EMC
10723702	EPA 1668A	Dry	SB-02-11-12-250211	10723702004	(PCB 165) 2,3,3',5,5',6-Hexachlorobiphenyl	2.62 J	2.62 J	EMC
10723702	EPA 1668A	Dry	SB-02-11-12-250211	10723702004	(PCB 191) 2,3,3',4,4',5',6-Heptachlorobiphenyl	10.4 J	10.4 J	EMC
10723702	EPA 1668A	Dry	SB-02-11-12-250211	10723702004	(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	6.03 J	6.03 J	EMC
10723702	EPA 1668A	Dry	SB-02-11-12-250211	10723702004	(PCB 83) 2,2',3,3',5-Pentachlorobiphenyl	3.2 J	3.2 J	EMC
10723702	EPA 1668A	Dry	SB-02-11-12-250211	10723702004	(PCB 88/91) Pentachlorobiphenyl	6.69 J	6.69 J	EMC
10723702	EPA 1668A	Dry	SB-02-17-27-250211	10723702005	(PCB 105) 2,3,3',4,4'-Pentachlorobiphenyl	7.28 J	7.28 J	EMC
10723702	EPA 1668A	Dry	SB-02-17-27-250211	10723702005	(PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	3.66 J	3.66 J	EMC
10723702	EPA 1668A	Dry	SB-02-17-27-250211	10723702005	(PCB 48) 2,2',4,5-Tetrachlorobiphenyl	5.88 J	5.88 J	EMC
10723702	EPA 1668A	Dry	SB-02-29-31-250211	10723702006	(PCB 205) 2,3,3',4,4',5,5',6-Octachlorobiphenyl	8.76 J	8.76 J	EMC
10723702	EPA 1668A	Dry	SB-02-29-31-250211	10723702006	(PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	5.87 J	5.87 J	EMC
10723702	EPA 1668A	Dry	SB-02-9.5-11-250211	10723702003	(PCB 174) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	4.6 J	4.6 J	EMC
10723702	EPA 1668A	Dry	SB-02-FD-250211	10723702008	(PCB 131) 2,2',3,3',4,6-Hexachlorobiphenyl	3.6 J	3.6 J	EMC
10723702	EPA 1668A	Dry	SB-02-FD-250211	10723702008	(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	6.17 J	6.17 J	EMC
10723702	EPA 1668A	Dry	SB-02-FD-250211	10723702008	(PCB 83) 2,2',3,3',5-Pentachlorobiphenyl	3.14 J	3.14 J	EMC
10723702	EPA 1668A	Dry	SB-03-08-09-250211	10723702010	(PCB 105) 2,3,3',4,4'-Pentachlorobiphenyl	5.26 J	5.26 J	EMC
10723702	EPA 1668A	Dry	SB-03-08-09-250211	10723702010	(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl	6.39 J	6.39 J	EMC
10723702	EPA 1668A	Dry	SB-03-08-09-250211	10723702010	(PCB 190) 2,3,3',4,4',5,6-Heptachlorobiphenyl	4.44 J	4.44 J	EMC
10723702	EPA 1668A	Dry	SB-03-08-09-250211	10723702010	(PCB 195) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	10.9 J	10.9 J	EMC
10723702	EPA 1668A	Dry	SB-03-08-09-250211	10723702010	(PCB 99) 2,2',4,4',5-Pentachlorobiphenyl	5.29 J	5.29 J	EMC
10723702	EPA 1668A	Dry	SB-03-11-13-250211	10723702012	(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	14.9 J	14.9 J	EMC
10723702	EPA 1668A	Dry	SB-03-13-15-250211	10723702013	(PCB 109) 2,3,3',4,6-Pentachlorobiphenyl	3.36 J	3.36 J	EMC
10723702	EPA 1668A	Dry	SB-03-13-15-250211	10723702013	(PCB 133) 2,2',3,3',5,5'-Hexachlorobiphenyl	3.56 J	3.56 J	EMC

TABLE 3
SYSTEM PERFORMANCE SUMMARY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
10723702	EPA 1668A	Dry	SB-03-13-15-250211	10723702013	(PCB 205) 2,3,3',4,4',5,5',6-Octachlorobiphenyl	6.82 J	6.82 J	EMC
10723702	EPA 1668A	Dry	SB-03-13-15-250211	10723702013	(PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	9.78 J	9.78 J	EMC
10723702	EPA 1668A	Dry	SB-03-13-15-250211	10723702013	(PCB 83) 2,2',3,3',5-Pentachlorobiphenyl	3.4 J	3.4 J	EMC
10723702	EPA 1668A	Dry	SB-03-13-15-250211	10723702013	(PCB 88/91) Pentachlorobiphenyl	6.6 J	6.6 J	EMC
10723702	EPA 1668A	Dry	SB-03-15-17-250211	10723702014	(PCB 16) 2,2',3-Trichlorobiphenyl	12 J	12 J	EMC
10723702	EPA 1668A	Dry	SB-03-15-17-250211	10723702014	(PCB 162) 2,3,3',4',5,5'-Hexachlorobiphenyl	12 J	12 J	EMC
10723702	EPA 1668A	Dry	SB-03-15-17-250211	10723702014	(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	13.5 J	13.5 J	EMC
10723702	EPA 1668A	Dry	SB-03-15-17-250211	10723702014	(PCB 209) Decachlorobiphenyl	18.5 J	18.5 J	EMC
10723702	EPA 1668A	Dry	SB-03-15-17-250211	10723702014	(PCB 79) 3,3',4,5'-Tetrachlorobiphenyl	5.78 J	5.78 J	EMC
10723702	EPA 1668A	Dry	SB-03-17-19-250211	10723702015	(PCB 99) 2,2',4,4',5-Pentachlorobiphenyl	11.2 J	11.2 J	EMC
10723702	EPA 1668A	Dry	SB-03-19-21-250211	10723702016	(PCB 133) 2,2',3,3',5,5'-Hexachlorobiphenyl	8.1 J	8.1 J	EMC
10723702	EPA 1668A	Dry	SB-03-19-21-250211	10723702016	(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	8.68 J	8.68 J	EMC
10723702	EPA 1668A	Dry	SB-03-21-23-250211	10723702017	(PCB 106) 2,3,3',4,5-Pentachlorobiphenyl	5.09 J	5.09 J	EMC
10723702	EPA 1668A	Dry	SB-03-21-23-250211	10723702017	(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	9.27 J	9.27 J	EMC
10723702	EPA 1668A	Dry	SB-03-21-23-250211	10723702017	(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	8.34 J	8.34 J	EMC
10723702	EPA 1668A	Dry	SB-03-21-23-250211	10723702017	(PCB 181) 2,2',3,4,4',5,6-Heptachlorobiphenyl	6.3 J	6.3 J	EMC
10723702	EPA 1668A	Dry	SB-03-21-23-250211	10723702017	(PCB 21/33) Trichlorobiphenyl	28.9 J	28.9 J	EMC
10723702	EPA 1668A	Dry	SB-03-21-23-250211	10723702017	(PCB 37) 3,4,4'-Trichlorobiphenyl	11.2 J	11.2 J	EMC
10723702	EPA 1668A	Dry	SB-03-23-25-250211	10723702018	(PCB 103) 2,2',4,5',6-Pentachlorobiphenyl	22.1 J	22.1 J	EMC
10723702	EPA 1668A	Dry	SB-03-23-25-250211	10723702018	(PCB 120) 2,3',4,5,5'-Pentachlorobiphenyl	5.1 J	5.1 J	EMC
10723702	EPA 1668A	Dry	SB-03-23-25-250211	10723702018	(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	30.9	30.9 J	EMC
10723702	EPA 1668A	Dry	SB-03-23-25-250211	10723702018	(PCB 67) 2,3',4,5-Tetrachlorobiphenyl	5.98 J	5.98 J	EMC
10723702	EPA 1668A	Dry	SB-03-23-25-250211	10723702018	(PCB 79) 3,3',4,5'-Tetrachlorobiphenyl	6.56 J	6.56 J	EMC
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 148) 2,2',3,4',5,6'-Hexachlorobiphenyl	7.39 J	7.39 J	EMC
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 150) 2,2',3,4',6,6'-Hexachlorobiphenyl	4.74 J	4.74 J	EMC
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	42.6	42.6 J	EMC
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 25) 2,3',4-Trichlorobiphenyl	9.48 J	9.48 J	EMC
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 35) 3,3',4-Trichlorobiphenyl	10.4 J	10.4 J	EMC
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 46) 2,2',3,6'-Tetrachlorobiphenyl	7.67 J	7.67 J	EMC
10723702	EPA 1668A	Dry	SB-03-27-29-250211	10723702021	(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	21.8	21.8 J	EMC
10723702	EPA 1668A	Dry	SB-03-27-29-250211	10723702021	(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	21.9	21.9 J	EMC
10723702	EPA 1668A	Dry	SB-03-27-29-250211	10723702021	(PCB 42) 2,2',3,4'-Tetrachlorobiphenyl	28.2	28.2 J	EMC
10723702	EPA 1668A	Dry	SB-03-27-29-250211	10723702021	(PCB 45/51) Tetrachlorobiphenyl	13.3 J	13.3 J	EMC
10723702	EPA 1668A	Dry	SB-03-27-29-250211	10723702021	(PCB 59/62/75) Tetrachlorobiphenyl	6.62 J	6.62 J	EMC
10723702	EPA 1668A	Dry	SB-03-29-31-250211	10723702022	(PCB 103) 2,2',4,5',6-Pentachlorobiphenyl	11.8 J	11.8 J	EMC
10723702	EPA 1668A	Dry	SB-03-29-31-250211	10723702022	(PCB 109) 2,3,3',4,6-Pentachlorobiphenyl	24.2 J	24.2 J	EMC
10723702	EPA 1668A	Dry	SB-03-29-31-250211	10723702022	(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	18.4 J	18.4 J	EMC
10723702	EPA 1668A	Dry	SB-03-29-31-250211	10723702022	(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	28.6 J	28.6 J	EMC
10723702	EPA 1668A	Dry	SB-03-31-33-250211	10723702024	(PCB 165) 2,3,3',5,5',6-Hexachlorobiphenyl	70.9	70.9 J	EMC
10723702	EPA 1668A	Dry	SB-03-31-33-250211	10723702024	(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	28.2	28.2 J	EMC

TABLE 3
SYSTEM PERFORMANCE SUMMARY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
10723702	EPA 1668A	Dry	SB-03-31-33-250211	10723702024	(PCB 32) 2,4',6-Trichlorobiphenyl	16.2 J	16.2 J	EMC
10723702	EPA 1668A	Dry	SB-03-31-33-250211	10723702024	(PCB 35) 3,3',4-Trichlorobiphenyl	6.76 J	6.76 J	EMC
10723702	EPA 1668A	Dry	SB-03-31-33-250211	10723702024	(PCB 46) 2,2',3,6'-Tetrachlorobiphenyl	5.6 J	5.6 J	EMC
10723702	EPA 1668A	Dry	SB-03-31-33-250211	10723702024	(PCB 48) 2,2',4,5'-Tetrachlorobiphenyl	23.4 J	23.4 J	EMC
10723702	EPA 1668A	Dry	SB-03-31-33-250211	10723702024	(PCB 50/53) Tetrachlorobiphenyl	16.6 J	16.6 J	EMC
10723702	EPA 1668A	Dry	SB-03-37-39-250211	10723702023	(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	8.43 J	8.43 J	EMC
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	45.3	45.3 J	EMC
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 209) Decachlorobiphenyl	44.7	44.7 J	EMC
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 81) 3,4,4',5-Tetrachlorobiphenyl	4.96 J	4.96 J	EMC
10723332	EPA 1668A	Dry	SB-04-06-08-250207	10723332016	(PCB 123) 2',3,4,4',5-Pentachlorobiphenyl	2.6 J	2.6 J	EMC
10723332	EPA 1668A	Dry	SB-04-06-08-250207	10723332016	(PCB 144) 2,2',3,4,5',6-Hexachlorobiphenyl	17.7	17.7 J	EMC
10723332	EPA 1668A	Dry	SB-04-06-08-250207	10723332016	(PCB 6) 2,3'-Dichlorobiphenyl	2.07 J	2.07 J	EMC
10723332	EPA 1668A	Dry	SB-04-06-08-250207	10723332016	(PCB 63) 2,3,4',5-Tetrachlorobiphenyl	2.08 J	2.08 J	EMC
10723332	EPA 1668A	Dry	SB-04-08-10-250207	10723332017	(PCB 16) 2,2',3-Trichlorobiphenyl	7.32 J	7.32 J	EMC
10723332	EPA 1668A	Dry	SB-04-08-10-250207	10723332017	(PCB 179) 2,2',3,3',5,6,6'-Heptachlorobiphenyl	6.84 J	6.84 J	EMC
10723332	EPA 1668A	Dry	SB-04-08-10-250207	10723332017	(PCB 194) 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	6.52 J	6.52 J	EMC
10723332	EPA 1668A	Dry	SB-04-08-10-250207	10723332017	(PCB 195) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	10.1 J	10.1 J	EMC
10723332	EPA 1668A	Dry	SB-04-17-19-250207	10723332018	(PCB 191) 2,3,3',4,4',5',6-Heptachlorobiphenyl	4.53 J	4.53 J	EMC
10723332	EPA 1668A	Dry	SB-04-17-19-250207	10723332018	(PCB 201) 2,2',3,3',4,5',6,6'-Octachlorobiphenyl	8.72 J	8.72 J	EMC
10723332	EPA 1668A	Dry	SB-04-17-19-250207	10723332018	(PCB 209) Decachlorobiphenyl	26.2	26.2 J	EMC
10723332	EPA 1668A	Dry	SB-04-17-19-250207	10723332018	(PCB 48) 2,2',4,5-Tetrachlorobiphenyl	6.9 J	6.9 J	EMC
10723332	EPA 1668A	Dry	SB-04-17-19-250207	10723332018	(PCB 6) 2,3'-Dichlorobiphenyl	2.9 J	2.9 J	EMC
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 146) 2,2',3,4',5,5'-Hexachlorobiphenyl	12.5 J	12.5 J	EMC
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 178) 2,2',3,3',5,5',6-Heptachlorobiphenyl	9.59 J	9.59 J	EMC
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 195) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	12 J	12 J	EMC
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 202) 2,2',3,3',5,5',6,6'-Octachlorobiphenyl	7.68 J	7.68 J	EMC
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 48) 2,2',4,5-Tetrachlorobiphenyl	11.7 J	11.7 J	EMC
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 6) 2,3'-Dichlorobiphenyl	6.31 J	6.31 J	EMC
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	12.8 J	12.8 J	EMC
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	14.8 J	14.8 J	EMC
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 95) 2,2',3,5',6-Pentachlorobiphenyl	37.3 J	37.3 J	EMC
10723332	EPA 1668A	Dry	SB-05-08-10-250207	10723332009	(PCB 130) 2,2',3,3',4,5'-Hexachlorobiphenyl	9.88 J	9.88 J	EMC
10723332	EPA 1668A	Dry	SB-05-08-10-250207	10723332009	(PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl	11.3 J	11.3 J	EMC
10723332	EPA 1668A	Dry	SB-05-08-10-250207	10723332009	(PCB 205) 2,3,3',4,4',5,5',6-Octachlorobiphenyl	3.01 J	3.01 J	EMC
10723332	EPA 1668A	Dry	SB-05-15-16-250207	10723332010	(PCB 206) 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	7.29 J	7.29 J	EMC
10723332	EPA 1668A	Dry	SB-05-15-16-250207	10723332010	(PCB 209) Decachlorobiphenyl	4.22 J	4.22 J	EMC
10723332	EPA 1668A	Dry	SB-05-30-32-250207	10723332014	(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl	6.42 J	6.42 J	EMC
10723332	EPA 1668A	Dry	SB-05-30-32-250207	10723332014	(PCB 16) 2,2',3-Trichlorobiphenyl	7.31 J	7.31 J	EMC
10723332	EPA 1668A	Dry	SB-05-30-32-250207	10723332014	(PCB 2) 3-Chlorobiphenyl	8.2 J	8.2 J	EMC
10723702	EPA 1668A	Dry	SB-02-11-12-250211	10723702004	(PCB 130) 2,2',3,3',4,5'-Hexachlorobiphenyl	14.7 J	14.7 J	EMC, FDP

TABLE 3
SYSTEM PERFORMANCE SUMMARY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
10723702	EPA 1668A	Dry	SB-02-11-12-250211	10723702004	(PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	6.9 J	6.9 J	EMC, FDP
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 89) 2,2',3,4,6'-Pentachlorobiphenyl	9.93 J	9.93 J	EMC, FDP
10723332	EPA 1668A	Dry	SB-01-08-10-250206	10723332002	(PCB 35) 3,3',4-Trichlorobiphenyl	4.19 J	22.3 UJ	EMC, MBK
10723332	EPA 1668A	Dry	SB-01-08-10-250206	10723332002	(PCB 44/47/65) Tetrachlorobiphenyl	23.6 J	66.9 UJ	EMC, MBK
10723332	EPA 1668A	Dry	SB-01-10-12-250206	10723332003	(PCB 35) 3,3',4-Trichlorobiphenyl	3.37 J	20.4 UJ	EMC, MBK
10723332	EPA 1668A	Dry	SB-05-28-30-250207	10723332013	(PCB 8) 2,4'-Dichlorobiphenyl	9.34 J	28.8 UJ	EMC, MBK
10723330	EPA 1668A	NA	GW-P24-250207	10723330003	(PCB 170) 2,2',3,3',4,4',5-Heptachlorobiphenyl	0.0204 J	0.0204 J	FDP
10723330	EPA 1668A	NA	GW-P24-FD-250207	10723330004	(PCB 170) 2,2',3,3',4,4',5-Heptachlorobiphenyl	U	UJ	FDP
10723702	EPA 1668A	Dry	SB-02-11-12-250211	10723702004	(PCB 159) 2,3,3',4,5,5'-Hexachlorobiphenyl	10.8 J	10.8 J	FDP
10723702	EPA 1668A	Dry	SB-02-11-12-250211	10723702004	(PCB 58) 2,3,3',5'-Tetrachlorobiphenyl	U	UJ	FDP
10723702	EPA 1668A	Dry	SB-02-FD-250211	10723702008	(PCB 130) 2,2',3,3',4,5'-Hexachlorobiphenyl	19.9 J	19.9 J	FDP
10723702	EPA 1668A	Dry	SB-02-FD-250211	10723702008	(PCB 159) 2,3,3',4,5,5'-Hexachlorobiphenyl	7.44 J	7.44 J	FDP
10723702	EPA 1668A	Dry	SB-02-FD-250211	10723702008	(PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	9.6 J	9.6 J	FDP
10723702	EPA 1668A	Dry	SB-02-FD-250211	10723702008	(PCB 58) 2,3,3',5'-Tetrachlorobiphenyl	5.86 J	5.86 J	FDP
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl	179	179 J	FDP
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	70.2	70.2 J	FDP
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 165) 2,3,3',5,5',6-Hexachlorobiphenyl	173	173 J	FDP
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 17) 2,2',4-Trichlorobiphenyl	37.1	37.1 J	FDP
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 172) 2,2',3,3',4,5,5'-Heptachlorobiphenyl	5210	5210 J	FDP
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 18/30) Trichlorobiphenyl	90.5	90.5 J	FDP
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 187) 2,2',3,4',5,5',6-Heptachlorobiphenyl	37000	37000 J	FDP
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 192) 2,3,3',4,5,5',6-Heptachlorobiphenyl	U	UJ	FDP
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 79) 3,3',4,5'-Tetrachlorobiphenyl	11.7 J	11.7 J	FDP
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	158	158 J	FDP
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 83) 2,2',3,3',5-Pentachlorobiphenyl	152	152 J	FDP
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl	1590	1590 J	FDP
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 93/98/100/102) Pentachlorobiphenyl	36.1 J	36.1 J	FDP
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl	130	130 J	FDP
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	39.9	39.9 J	FDP
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 165) 2,3,3',5,5',6-Hexachlorobiphenyl	U	UJ	FDP
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 17) 2,2',4-Trichlorobiphenyl	51.4	51.4 J	FDP
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 172) 2,2',3,3',4,5,5'-Heptachlorobiphenyl	74.4	74.4 J	FDP
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 18/30) Trichlorobiphenyl	134	134 J	FDP
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 187) 2,2',3,4',5,5',6-Heptachlorobiphenyl	19.4 J	19.4 J	FDP
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 192) 2,3,3',4,5,5',6-Heptachlorobiphenyl	4880	4880 J	FDP
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 79) 3,3',4,5'-Tetrachlorobiphenyl	78.8	78.8 J	FDP
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	275	275 J	FDP
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 83) 2,2',3,3',5-Pentachlorobiphenyl	287	287 J	FDP
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 89) 2,2',3,4,6'-Pentachlorobiphenyl	U	UJ	FDP
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl	U	UJ	FDP

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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 93/98/100/102) Pentachlorobiphenyl	16.3 J	16.3 J	FDP
10723330	EPA 1668A	NA	GW-MW17-250206	10723330001	(PCB 129/138/163) Hexachlorobiphenyl	0.0725 J	0.124 U	MBK
10723330	EPA 1668A	NA	GW-MW17-250206	10723330001	(PCB 132) 2,2',3,3',4,6'-Hexachlorobiphenyl	0.0288 J	0.0412 U	MBK
10723330	EPA 1668A	NA	GW-MW17-250206	10723330001	(PCB 135/151) Hexachlorobiphenyl	0.038 J	0.0824 U	MBK
10723330	EPA 1668A	NA	GW-MW17-250206	10723330001	(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl	0.0207 J	0.0412 U	MBK
10723330	EPA 1668A	NA	GW-MW17-250206	10723330001	(PCB 147/149) Hexachlorobiphenyl	0.0683 J	0.0824 U	MBK
10723330	EPA 1668A	NA	GW-MW17-250206	10723330001	(PCB 153/168) Hexachlorobiphenyl	0.0625 J	0.0824 U	MBK
10723330	EPA 1668A	NA	GW-MW17-250206	10723330001	(PCB 174) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	0.0321 J	0.0412 U	MBK
10723330	EPA 1668A	NA	GW-MW17-250206	10723330001	(PCB 177) 2,2',3,3',4',5,6'-Heptachlorobiphenyl	0.02 J	0.0412 U	MBK
10723330	EPA 1668A	NA	GW-MW17-250206	10723330001	(PCB 179) 2,2',3,3',5,6,6'-Heptachlorobiphenyl	0.0199 J	0.0412 U	MBK
10723330	EPA 1668A	NA	GW-MW17-250206	10723330001	(PCB 180/193) Heptachlorobiphenyl	0.0307 J	0.0824 U	MBK
10723330	EPA 1668A	NA	GW-MW17-250206	10723330001	(PCB 187) 2,2',3,4',5,5',6-Heptachlorobiphenyl	0.0363 J	0.0412 U	MBK
10723330	EPA 1668A	NA	GW-P24-250207	10723330003	(PCB 129/138/163) Hexachlorobiphenyl	0.045 J	0.12 U	MBK
10723330	EPA 1668A	NA	GW-P24-250207	10723330003	(PCB 132) 2,2',3,3',4,6'-Hexachlorobiphenyl	0.0215 J	0.0399 U	MBK
10723330	EPA 1668A	NA	GW-P24-250207	10723330003	(PCB 135/151) Hexachlorobiphenyl	0.0384 J	0.0798 U	MBK
10723330	EPA 1668A	NA	GW-P24-250207	10723330003	(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl	0.0107 J	0.0399 U	MBK
10723330	EPA 1668A	NA	GW-P24-250207	10723330003	(PCB 147/149) Hexachlorobiphenyl	0.0631 J	0.0798 U	MBK
10723330	EPA 1668A	NA	GW-P24-250207	10723330003	(PCB 153/168) Hexachlorobiphenyl	0.0377 J	0.0798 U	MBK
10723330	EPA 1668A	NA	GW-P24-250207	10723330003	(PCB 174) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	0.0279 J	0.0399 U	MBK
10723330	EPA 1668A	NA	GW-P24-250207	10723330003	(PCB 177) 2,2',3,3',4',5,6'-Heptachlorobiphenyl	0.0171 J	0.0399 U	MBK
10723330	EPA 1668A	NA	GW-P24-250207	10723330003	(PCB 179) 2,2',3,3',5,6,6'-Heptachlorobiphenyl	0.0151 J	0.0399 U	MBK
10723330	EPA 1668A	NA	GW-P24-250207	10723330003	(PCB 180/193) Heptachlorobiphenyl	0.0456 J	0.0798 U	MBK
10723330	EPA 1668A	NA	GW-P24-250207	10723330003	(PCB 187) 2,2',3,4',5,5',6-Heptachlorobiphenyl	0.0344 J	0.0399 U	MBK
10723330	EPA 1668A	NA	GW-P24-FD-250207	10723330004	(PCB 129/138/163) Hexachlorobiphenyl	0.0256 J	0.121 U	MBK
10723330	EPA 1668A	NA	GW-P24-FD-250207	10723330004	(PCB 132) 2,2',3,3',4,6'-Hexachlorobiphenyl	0.0125 J	0.0403 U	MBK
10723330	EPA 1668A	NA	GW-P24-FD-250207	10723330004	(PCB 135/151) Hexachlorobiphenyl	0.0201 J	0.0807 U	MBK
10723330	EPA 1668A	NA	GW-P24-FD-250207	10723330004	(PCB 147/149) Hexachlorobiphenyl	0.0338 J	0.0807 U	MBK
10723330	EPA 1668A	NA	GW-P24-FD-250207	10723330004	(PCB 153/168) Hexachlorobiphenyl	0.0218 J	0.0807 U	MBK
10723330	EPA 1668A	NA	GW-P24-FD-250207	10723330004	(PCB 174) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	0.0126 J	0.0403 U	MBK
10723330	EPA 1668A	NA	GW-P24-FD-250207	10723330004	(PCB 180/193) Heptachlorobiphenyl	0.0174 J	0.0807 U	MBK
10723330	EPA 1668A	NA	GW-P24-FD-250207	10723330004	(PCB 187) 2,2',3,4',5,5',6-Heptachlorobiphenyl	0.0144 J	0.0403 U	MBK
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 11) 3,3'-Dichlorobiphenyl	238 J	260.0 U	MBK
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	50.4	50.4 J+	MBK
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 35) 3,3',4-Trichlorobiphenyl	5.42 J	26.6 U	MBK
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 37) 3,4,4'-Trichlorobiphenyl	12.7 J	56.3 U	MBK
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 44/47/65) Tetrachlorobiphenyl	58.6 J	79.7 U	MBK
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	82.7 J	137.0 U	MBK
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	19.3 J	26.6 U	MBK
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 61/70/74/76) Tetrachlorobiphenyl	66.2 J	106.0 U	MBK
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	25.3 J	26.6 U	MBK

TABLE 3
SYSTEM PERFORMANCE SUMMARY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
10723332	EPA 1668A	Dry	SB-01-06-08-250206	10723332001	(PCB 8) 2,4'-Dichlorobiphenyl	21.2 J	26.6 U	MBK
10723332	EPA 1668A	Dry	SB-01-08-10-250206	10723332002	(PCB 11) 3,3'-Dichlorobiphenyl	215 J	219.0 U	MBK
10723332	EPA 1668A	Dry	SB-01-08-10-250206	10723332002	(PCB 110/115) Pentachlorobiphenyl	15.5 J	44.6 U	MBK
10723332	EPA 1668A	Dry	SB-01-08-10-250206	10723332002	(PCB 37) 3,4,4'-Trichlorobiphenyl	7.55 J	47.3 U	MBK
10723332	EPA 1668A	Dry	SB-01-08-10-250206	10723332002	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	32.5 J	115.0 U	MBK
10723332	EPA 1668A	Dry	SB-01-08-10-250206	10723332002	(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	6.84 J	22.3 U	MBK
10723332	EPA 1668A	Dry	SB-01-08-10-250206	10723332002	(PCB 61/70/74/76) Tetrachlorobiphenyl	22.1 J	89.2 U	MBK
10723332	EPA 1668A	Dry	SB-01-08-10-250206	10723332002	(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	10.2 J	22.3 U	MBK
10723332	EPA 1668A	Dry	SB-01-08-10-250206	10723332002	(PCB 8) 2,4'-Dichlorobiphenyl	8.22 J	22.3 U	MBK
10723332	EPA 1668A	Dry	SB-01-10-12-250206	10723332003	(PCB 11) 3,3'-Dichlorobiphenyl	186 J	200.0 U	MBK
10723332	EPA 1668A	Dry	SB-01-10-12-250206	10723332003	(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	8.23 J	31.9 U	MBK
10723332	EPA 1668A	Dry	SB-01-10-12-250206	10723332003	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	21.4 J	105.0 U	MBK
10723332	EPA 1668A	Dry	SB-01-10-12-250206	10723332003	(PCB 8) 2,4'-Dichlorobiphenyl	8.81 J	20.4 U	MBK
10723332	EPA 1668A	Dry	SB-01-12-14-250206	10723332004	(PCB 11) 3,3'-Dichlorobiphenyl	250	250 J+	MBK
10723332	EPA 1668A	Dry	SB-01-12-14-250206	10723332004	(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	8.19 J	32.7 U	MBK
10723332	EPA 1668A	Dry	SB-01-12-14-250206	10723332004	(PCB 35) 3,3',4-Trichlorobiphenyl	6.54 J	21.0 U	MBK
10723332	EPA 1668A	Dry	SB-01-12-14-250206	10723332004	(PCB 37) 3,4,4'-Trichlorobiphenyl	9.68 J	44.4 U	MBK
10723332	EPA 1668A	Dry	SB-01-12-14-250206	10723332004	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	30.8 J	108.0 U	MBK
10723332	EPA 1668A	Dry	SB-01-12-14-250206	10723332004	(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	7.66 J	21.0 U	MBK
10723332	EPA 1668A	Dry	SB-01-12-14-250206	10723332004	(PCB 61/70/74/76) Tetrachlorobiphenyl	26.2 J	83.8 U	MBK
10723332	EPA 1668A	Dry	SB-01-12-14-250206	10723332004	(PCB 8) 2,4'-Dichlorobiphenyl	9.62 J	21.0 U	MBK
10723332	EPA 1668A	Dry	SB-01-28-30-250206	10723332005	(PCB 11) 3,3'-Dichlorobiphenyl	244	244 J+	MBK
10723332	EPA 1668A	Dry	SB-01-28-30-250206	10723332005	(PCB 35) 3,3',4-Trichlorobiphenyl	5.37 J	23.2 U	MBK
10723332	EPA 1668A	Dry	SB-01-28-30-250206	10723332005	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	24.4 J	120.0 U	MBK
10723332	EPA 1668A	Dry	SB-01-28-30-250206	10723332005	(PCB 8) 2,4'-Dichlorobiphenyl	10.2 J	23.2 U	MBK
10723332	EPA 1668A	Dry	SB-01-30-32-250206	10723332007	(PCB 11) 3,3'-Dichlorobiphenyl	167 J	231.0 U	MBK
10723332	EPA 1668A	Dry	SB-01-30-32-250206	10723332007	(PCB 35) 3,3',4-Trichlorobiphenyl	3.71 J	23.6 U	MBK
10723332	EPA 1668A	Dry	SB-01-30-32-250206	10723332007	(PCB 8) 2,4'-Dichlorobiphenyl	8.49 J	23.6 U	MBK
10723332	EPA 1668A	Dry	SB-01-32-34-250206	10723332006	(PCB 11) 3,3'-Dichlorobiphenyl	215 J	313.0 U	MBK
10723332	EPA 1668A	Dry	SB-01-32-34-250206	10723332006	(PCB 8) 2,4'-Dichlorobiphenyl	10.6 J	31.9 U	MBK
10723332	EPA 1668A	Dry	SB-01-FD-250206	10723332008	(PCB 11) 3,3'-Dichlorobiphenyl	266	266 J+	MBK
10723332	EPA 1668A	Dry	SB-01-FD-250206	10723332008	(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	8.21 J	36.1 U	MBK
10723332	EPA 1668A	Dry	SB-01-FD-250206	10723332008	(PCB 35) 3,3',4-Trichlorobiphenyl	5.67 J	23.2 U	MBK
10723332	EPA 1668A	Dry	SB-01-FD-250206	10723332008	(PCB 37) 3,4,4'-Trichlorobiphenyl	9.41 J	49.1 U	MBK
10723332	EPA 1668A	Dry	SB-01-FD-250206	10723332008	(PCB 44/47/65) Tetrachlorobiphenyl	26.1 J	69.5 U	MBK
10723332	EPA 1668A	Dry	SB-01-FD-250206	10723332008	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	30.9 J	119.0 U	MBK
10723332	EPA 1668A	Dry	SB-01-FD-250206	10723332008	(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	8.26 J	23.2 U	MBK
10723332	EPA 1668A	Dry	SB-01-FD-250206	10723332008	(PCB 8) 2,4'-Dichlorobiphenyl	8.86 J	23.2 U	MBK
10723702	EPA 1668A	Dry	SB-02-06-08-250211	10723702001	(PCB 11) 3,3'-Dichlorobiphenyl	152 J	269.0 U	MBK
10723702	EPA 1668A	Dry	SB-02-11-12-250211	10723702004	(PCB 11) 3,3'-Dichlorobiphenyl	173 J	239.0 U	MBK

TABLE 3
SYSTEM PERFORMANCE SUMMARY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
10723702	EPA 1668A	Dry	SB-02-17-27-250211	10723702005	(PCB 11) 3,3'-Dichlorobiphenyl	95.6 J	253.0 U	MBK
10723702	EPA 1668A	Dry	SB-02-29-31-250211	10723702006	(PCB 11) 3,3'-Dichlorobiphenyl	133 J	286.0 U	MBK
10723702	EPA 1668A	Dry	SB-02-31-33-250211	10723702007	(PCB 11) 3,3'-Dichlorobiphenyl	139 J	280.0 U	MBK
10723702	EPA 1668A	Dry	SB-02-9.5-11-250211	10723702003	(PCB 11) 3,3'-Dichlorobiphenyl	93.5 J	203.0 U	MBK
10723702	EPA 1668A	Dry	SB-02-FD-250211	10723702008	(PCB 11) 3,3'-Dichlorobiphenyl	110 J	202.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-06-08-250211	10723702009	(PCB 11) 3,3'-Dichlorobiphenyl	76.7 J	148.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-08-09-250211	10723702010	(PCB 11) 3,3'-Dichlorobiphenyl	92.7 J	199.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-09-11-250211	10723702011	(PCB 11) 3,3'-Dichlorobiphenyl	139 J	290.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-11-13-250211	10723702012	(PCB 11) 3,3'-Dichlorobiphenyl	144 J	220.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-13-15-250211	10723702013	(PCB 11) 3,3'-Dichlorobiphenyl	129 J	229.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-15-17-250211	10723702014	(PCB 11) 3,3'-Dichlorobiphenyl	163 J	263.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-17-19-250211	10723702015	(PCB 11) 3,3'-Dichlorobiphenyl	133 J	261.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-19-21-250211	10723702016	(PCB 11) 3,3'-Dichlorobiphenyl	140 J	294.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-21-23-250211	10723702017	(PCB 11) 3,3'-Dichlorobiphenyl	169 J	288.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-23-25-250211	10723702018	(PCB 11) 3,3'-Dichlorobiphenyl	140 J	257.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-25-27-250211	10723702019	(PCB 11) 3,3'-Dichlorobiphenyl	229 J	276.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-27-29-250211	10723702021	(PCB 11) 3,3'-Dichlorobiphenyl	162 J	208.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-29-31-250211	10723702022	(PCB 11) 3,3'-Dichlorobiphenyl	570 J	710.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-29-31-250211	10723702022	(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	45.2 J	72.4 U	MBK
10723702	EPA 1668A	Dry	SB-03-31-33-250211	10723702024	(PCB 11) 3,3'-Dichlorobiphenyl	203 J	264.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-37-39-250211	10723702023	(PCB 11) 3,3'-Dichlorobiphenyl	223 J	343.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-37-39-250211	10723702023	(PCB 110/115) Pentachlorobiphenyl	18.2 J	70.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-37-39-250211	10723702023	(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	14.2 J	54.6 U	MBK
10723702	EPA 1668A	Dry	SB-03-37-39-250211	10723702023	(PCB 61/70/74/76) Tetrachlorobiphenyl	27.9 J	140.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-37-39-250211	10723702023	(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	8.57 J	35.0 U	MBK
10723702	EPA 1668A	Dry	SB-03-FD-250211	10723702020	(PCB 11) 3,3'-Dichlorobiphenyl	190 J	214.0 U	MBK
10723332	EPA 1668A	Dry	SB-04-06-08-250207	10723332016	(PCB 11) 3,3'-Dichlorobiphenyl	152	152 J+	MBK
10723332	EPA 1668A	Dry	SB-04-06-08-250207	10723332016	(PCB 35) 3,3',4-Trichlorobiphenyl	4.38 J	13.9 U	MBK
10723332	EPA 1668A	Dry	SB-04-06-08-250207	10723332016	(PCB 37) 3,4,4'-Trichlorobiphenyl	11.4 J	29.6 U	MBK
10723332	EPA 1668A	Dry	SB-04-06-08-250207	10723332016	(PCB 44/47/65) Tetrachlorobiphenyl	42.4	42.4 J+	MBK
10723332	EPA 1668A	Dry	SB-04-06-08-250207	10723332016	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	82.8	82.8 J+	MBK
10723332	EPA 1668A	Dry	SB-04-06-08-250207	10723332016	(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	14.6	14.6 J+	MBK
10723332	EPA 1668A	Dry	SB-04-06-08-250207	10723332016	(PCB 61/70/74/76) Tetrachlorobiphenyl	62.6	62.6 J+	MBK
10723332	EPA 1668A	Dry	SB-04-06-08-250207	10723332016	(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	20.7	20.7 J+	MBK
10723332	EPA 1668A	Dry	SB-04-06-08-250207	10723332016	(PCB 8) 2,4'-Dichlorobiphenyl	7.68 J	13.9 U	MBK
10723332	EPA 1668A	Dry	SB-04-08-10-250207	10723332017	(PCB 11) 3,3'-Dichlorobiphenyl	229 J	253.0 U	MBK
10723332	EPA 1668A	Dry	SB-04-08-10-250207	10723332017	(PCB 110/115) Pentachlorobiphenyl	25.1 J	51.6 U	MBK
10723332	EPA 1668A	Dry	SB-04-08-10-250207	10723332017	(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	14.4 J	40.2 U	MBK
10723332	EPA 1668A	Dry	SB-04-08-10-250207	10723332017	(PCB 35) 3,3',4-Trichlorobiphenyl	5.45 J	25.8 U	MBK
10723332	EPA 1668A	Dry	SB-04-08-10-250207	10723332017	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	44.6 J	133.0 U	MBK

TABLE 3
SYSTEM PERFORMANCE SUMMARY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
10723332	EPA 1668A	Dry	SB-04-08-10-250207	10723332017	(PCB 61/70/74/76) Tetrachlorobiphenyl	29.9 J	103.0 U	MBK
10723332	EPA 1668A	Dry	SB-04-08-10-250207	10723332017	(PCB 8) 2,4'-Dichlorobiphenyl	9.85 J	25.8 U	MBK
10723332	EPA 1668A	Dry	SB-04-17-19-250207	10723332018	(PCB 11) 3,3'-Dichlorobiphenyl	210	210 J+	MBK
10723332	EPA 1668A	Dry	SB-04-17-19-250207	10723332018	(PCB 35) 3,3',4-Trichlorobiphenyl	5.5 J	21.3 U	MBK
10723332	EPA 1668A	Dry	SB-04-17-19-250207	10723332018	(PCB 37) 3,4,4'-Trichlorobiphenyl	13.4 J	45.2 U	MBK
10723332	EPA 1668A	Dry	SB-04-17-19-250207	10723332018	(PCB 44/47/65) Tetrachlorobiphenyl	42.4 J	63.9 U	MBK
10723332	EPA 1668A	Dry	SB-04-17-19-250207	10723332018	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	75.6 J	110.0 U	MBK
10723332	EPA 1668A	Dry	SB-04-17-19-250207	10723332018	(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	17.5 J	21.3 U	MBK
10723332	EPA 1668A	Dry	SB-04-17-19-250207	10723332018	(PCB 61/70/74/76) Tetrachlorobiphenyl	62.3 J	85.3 U	MBK
10723332	EPA 1668A	Dry	SB-04-17-19-250207	10723332018	(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	21.3	21.3 J+	MBK
10723332	EPA 1668A	Dry	SB-04-17-19-250207	10723332018	(PCB 8) 2,4'-Dichlorobiphenyl	9.98 J	21.3 U	MBK
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 11) 3,3'-Dichlorobiphenyl	530	530 J+	MBK
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 110/115) Pentachlorobiphenyl	52.7 J	93.4 U	MBK
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	30.2 J	72.9 U	MBK
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 35) 3,3',4-Trichlorobiphenyl	15.3 J	46.7 U	MBK
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 37) 3,4,4'-Trichlorobiphenyl	18.2 J	99.0 U	MBK
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 44/47/65) Tetrachlorobiphenyl	55 J	140.0 U	MBK
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	85.1 J	241.0 U	MBK
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	19.9 J	46.7 U	MBK
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 61/70/74/76) Tetrachlorobiphenyl	71 J	187.0 U	MBK
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	21.6 J	46.7 U	MBK
10723332	EPA 1668A	Dry	SB-04-19-20-250207	10723332019	(PCB 8) 2,4'-Dichlorobiphenyl	19.9 J	46.7 U	MBK
10723332	EPA 1668A	Dry	SB-04-32-34-250207	10723332022	(PCB 11) 3,3'-Dichlorobiphenyl	138 J	284.0 U	MBK
10723332	EPA 1668A	Dry	SB-05-08-10-250207	10723332009	(PCB 11) 3,3'-Dichlorobiphenyl	215 J	237.0 U	MBK
10723332	EPA 1668A	Dry	SB-05-08-10-250207	10723332009	(PCB 110/115) Pentachlorobiphenyl	54.5	54.5 J+	MBK
10723332	EPA 1668A	Dry	SB-05-08-10-250207	10723332009	(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	23.2 J	37.7 U	MBK
10723332	EPA 1668A	Dry	SB-05-08-10-250207	10723332009	(PCB 35) 3,3',4-Trichlorobiphenyl	4.24 J	24.2 U	MBK
10723332	EPA 1668A	Dry	SB-05-08-10-250207	10723332009	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	33.4 J	125.0 U	MBK
10723332	EPA 1668A	Dry	SB-05-08-10-250207	10723332009	(PCB 8) 2,4'-Dichlorobiphenyl	9.13 J	24.2 U	MBK
10723332	EPA 1668A	Dry	SB-05-15-16-250207	10723332010	(PCB 11) 3,3'-Dichlorobiphenyl	195	195 J+	MBK
10723332	EPA 1668A	Dry	SB-05-15-16-250207	10723332010	(PCB 110/115) Pentachlorobiphenyl	27.5 J	38.8 U	MBK
10723332	EPA 1668A	Dry	SB-05-15-16-250207	10723332010	(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	14 J	30.3 U	MBK
10723332	EPA 1668A	Dry	SB-05-15-16-250207	10723332010	(PCB 35) 3,3',4-Trichlorobiphenyl	3.6 J	19.4 U	MBK
10723332	EPA 1668A	Dry	SB-05-15-16-250207	10723332010	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	22.7 J	100.0 U	MBK
10723332	EPA 1668A	Dry	SB-05-15-16-250207	10723332010	(PCB 8) 2,4'-Dichlorobiphenyl	7.56 J	19.4 U	MBK
10723332	EPA 1668A	Dry	SB-05-16-18-250207	10723332011	(PCB 11) 3,3'-Dichlorobiphenyl	432 J	516.0 U	MBK
10723332	EPA 1668A	Dry	SB-05-16-18-250207	10723332011	(PCB 8) 2,4'-Dichlorobiphenyl	16.7 J	52.6 U	MBK
10723332	EPA 1668A	Dry	SB-05-18-20-250207	10723332012	(PCB 11) 3,3'-Dichlorobiphenyl	507 J	610.0 U	MBK
10723332	EPA 1668A	Dry	SB-05-18-20-250207	10723332012	(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	24.7 J	97.2 U	MBK
10723332	EPA 1668A	Dry	SB-05-18-20-250207	10723332012	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	63.3 J	321.0 U	MBK

TABLE 3
SYSTEM PERFORMANCE SUMMARY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
10723332	EPA 1668A	Dry	SB-05-18-20-250207	10723332012	(PCB 8) 2,4'-Dichlorobiphenyl	23.4 J	62.3 U	MBK
10723332	EPA 1668A	Dry	SB-05-28-30-250207	10723332013	(PCB 11) 3,3'-Dichlorobiphenyl	217 J	283.0 U	MBK
10723332	EPA 1668A	Dry	SB-05-28-30-250207	10723332013	(PCB 110/115) Pentachlorobiphenyl	20.5 J	57.7 U	MBK
10723332	EPA 1668A	Dry	SB-05-28-30-250207	10723332013	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	30.6 J	149.0 U	MBK
10723332	EPA 1668A	Dry	SB-05-30-32-250207	10723332014	(PCB 11) 3,3'-Dichlorobiphenyl	320	320 J+	MBK
10723332	EPA 1668A	Dry	SB-05-30-32-250207	10723332014	(PCB 110/115) Pentachlorobiphenyl	18.2 J	56.0 U	MBK
10723332	EPA 1668A	Dry	SB-05-30-32-250207	10723332014	(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	10.8 J	43.7 U	MBK
10723332	EPA 1668A	Dry	SB-05-30-32-250207	10723332014	(PCB 35) 3,3',4-Trichlorobiphenyl	6.43 J	28.0 U	MBK
10723332	EPA 1668A	Dry	SB-05-30-32-250207	10723332014	(PCB 37) 3,4,4'-Trichlorobiphenyl	9.55 J	59.3 U	MBK
10723332	EPA 1668A	Dry	SB-05-30-32-250207	10723332014	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	34.6 J	144.0 U	MBK
10723332	EPA 1668A	Dry	SB-05-30-32-250207	10723332014	(PCB 8) 2,4'-Dichlorobiphenyl	11.5 J	28.0 U	MBK
10723332	EPA 1668A	Dry	SB-05-32-34-250207	10723332015	(PCB 11) 3,3'-Dichlorobiphenyl	270 J	290.0 U	MBK
10723332	EPA 1668A	Dry	SB-05-32-34-250207	10723332015	(PCB 35) 3,3',4-Trichlorobiphenyl	5.82 J	29.6 U	MBK
10723332	EPA 1668A	Dry	SB-05-32-34-250207	10723332015	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	43.6 J	153.0 U	MBK
10723332	EPA 1668A	Dry	SB-05-32-34-250207	10723332015	(PCB 8) 2,4'-Dichlorobiphenyl	10.2 J	29.6 U	MBK
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 1) 2-Chlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 10) 2,6-Dichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 103) 2,2',4,5',6-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 104) 2,2',4,6,6'-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 105) 2,3,3',4,4'-Pentachlorobiphenyl	20.3 J	20.3 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 106) 2,3,3',4,5-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 107/124) Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 109) 2,3,3',4,6-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 111) 2,3,3',5,5'-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 112) 2,3,3',5,6-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 114) 2,3,4,4',5-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 12/13) Dichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 120) 2,3',4,5,5'-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 121) 2,3',4,5',6-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 122) 2,3,3',4',5'-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 123) 2',3,4,4',5-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 127) 3,3',4,5,5'-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 128/166) Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 129/138/163) Hexachlorobiphenyl	67.5 J	67.5 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 130) 2,2',3,3',4,5'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 131) 2,2',3,3',4,6-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 132) 2,2',3,3',4,6'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 133) 2,2',3,3',5,5'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 134/143) Hexachlorobiphenyl	U	UJ	TSP

TABLE 3
SYSTEM PERFORMANCE SUMMARY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 135/151) Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 136) 2,2',3,3',6,6'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 137) 2,2',3,4,4',5'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 139/140) Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 14) 3,5-Dichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 142) 2,2',3,4,5,6-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 144) 2,2',3,4,5',6-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 145) 2,2',3,4,6,6'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 146) 2,2',3,4',5,5'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 147/149) Hexachlorobiphenyl	48.5 J	48.5 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 148) 2,2',3,4',5,6'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 15) "4,4'-Dichlorobiphenyl	26.9 J	26.9 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 150) 2,2',3,4',6,6'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 152) 2,2',3,5,6,6'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 153/168) Hexachlorobiphenyl	47.9 J	47.9 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 155) 2,2',4,4',6,6'-Hexachlorobiphenyl	21.1 J	21.1 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 156/157) 2,3,3',4,4',5/2,3,3',4,4',5'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 158) 2,3,3',4,4',6-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 159) 2,3,3',4,5,5'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 16) 2,2',3-Trichlorobiphenyl	28.8 J	28.8 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 160) 2,3,3',4,5,6-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 161) 2,3,3',4,5',6-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 162) 2,3,3',4',5,5'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 164) 2,3,3',4',5',6-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 165) 2,3,3',5,5',6-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 167) 2,3',4,4',5,5'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 17) 2,2',4-Trichlorobiphenyl	31.5 J	31.5 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 170) 2,2',3,3',4,4',5-Heptachlorobiphenyl	29.4 J	29.4 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 171/173) Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 172) 2,2',3,3',4,5,5'-Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 174) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	30.7 J	30.7 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 175) 2,2',3,3',4,5',6-Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 177) 2,2',3,3',4',5,6-Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 178) 2,2',3,3',5,5',6-Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 179) 2,2',3,3',5,6,6'-Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 18/30) Trichlorobiphenyl	48.3 J	48.3 J-	TSP

TABLE 3
SYSTEM PERFORMANCE SUMMARY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 180/193) Heptachlorobiphenyl	35.9 J	35.9 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 181) 2,2',3,4,4',5,6-Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 182) 2,2',3,4,4',5,6'-Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 183/185) Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 184) 2,2',3,4,4',6,6'-Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 186) 2,2',3,4,5,6,6'-Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 187) 2,2',3,4',5,5',6-Heptachlorobiphenyl	36.9 J	36.9 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 188) 2,2',3,4',5,6,6'-Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 189) 2,3,3',4,4',5,5'-Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 19) 2,2',6-Trichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 190) 2,3,3',4,4',5,6-Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 191) 2,3,3',4,4',5',6-Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 192) 2,3,3',4,5,5',6-Heptachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 194) 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 195) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 196) 2,2',3,3',4,4',5,6'-Octachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 197/200) (PCB Congener)	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 198/199) Octachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 2) 3-Chlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 20/28) Trichlorobiphenyl	138 J	138 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 201) 2,2',3,3',4,5',6,6'-Octachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 202) 2,2',3,3',5,5',6,6'-Octachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 203) 2,2',3,4,4',5,5',6-Octachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 204) 2,2',3,4,4',5,6,6'-Octachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 205) 2,3,3',4,4',5,5',6-Octachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 206) 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 208) 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 209) Decachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 21/33) Trichlorobiphenyl	72.6 J	72.6 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 22) 2,3,4'-Trichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 23) 2,3,5-Trichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 24) 2,3,6-Trichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 25) 2,3',4-Trichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 26/29) Trichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 27) 2,3',6-Trichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 3) 4-Monochlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 31) 2,4',5-Trichlorobiphenyl	118 J	118 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 32) 2,4',6-Trichlorobiphenyl	25.7 J	25.7 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 34) 2,3',5'-Trichlorobiphenyl	U	UJ	TSP

TABLE 3
SYSTEM PERFORMANCE SUMMARY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 36) 3,3',5-Trichlorobiphenyl	16.9 J	16.9 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 38) 3,4,5-Trichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 39) 3,4',5-Trichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 4) 2,2'-Dichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 40/41/71) Tetrachlorobiphenyl	62.4 J	62.4 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 42) 2,2',3,4'-Tetrachlorobiphenyl	40.5 J	40.5 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 45/51) Tetrachlorobiphenyl	28.2 J	28.2 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 46) 2,2',3,6'-Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 49/69) Tetrachlorobiphenyl	49.1 J	49.1 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 5) 2,3-Dichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 50/53) Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 54) 2,2',6,6'-Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 57) 2,3,3',5-Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 58) 2,3,3',5'-Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 59/62/75) Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 6) 2,3'-Dichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	32.9 J	32.9 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 63) 2,3,4',5-Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 66) 2,3',4,4'-Tetrachlorobiphenyl	81.9 J	81.9 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 67) 2,3',4,5-Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 68) 2,3',4,5'-Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 7) 2,4-Dichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 72) 2,3',5,5'-Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 77) 3,3',4,4'-Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 78) 3,3',4,5-Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 79) 3,3',4,5'-Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 80) 3,3',5,5'-Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 81) 3,4,4',5-Tetrachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 83) 2,2',3,3',5-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 85/116/117) Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 86/87/97/108/119/125) Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 88/91) Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 89) 2,2',3,4,6'-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 9) 2,5-Dichlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 90/101/113) Pentachlorobiphenyl	49.8 J	49.8 J-	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 93/98/100/102) Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 94) 2,2',3,5,6'-Pentachlorobiphenyl	U	UJ	TSP

TABLE 3
SYSTEM PERFORMANCE SUMMARY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 95) 2,2',3,5',6-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 96) 2,2',3,6,6'-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 99) 2,2',4,4',5-Pentachlorobiphenyl	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	PCB 43/73 (PCB Congener)	U	UJ	TSP
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 48) 2,2',4,5-Tetrachlorobiphenyl	28.5 J	28.5 J-	TSP, EMC
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl	14.6 J	14.6 J-	TSP, EMC
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 11) 3,3'-Dichlorobiphenyl	967	967 J	TSP, MBK
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 110/115) Pentachlorobiphenyl	55.6 J	172.0 UJ	TSP, MBK
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	31.6 J	134.0 UJ	TSP, MBK
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 35) 3,3',4-Trichlorobiphenyl	30.1 J	85.9 UJ	TSP, MBK
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 37) 3,4,4'-Trichlorobiphenyl	40.9 J	182.0 UJ	TSP, MBK
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 44/47/65) Tetrachlorobiphenyl	116 J	258.0 UJ	TSP, MBK
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	174 J	443.0 UJ	TSP, MBK
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	45.1 J	85.9 UJ	TSP, MBK
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 61/70/74/76) Tetrachlorobiphenyl	126 J	344.0 UJ	TSP, MBK
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	43.4 J	85.9 UJ	TSP, MBK
10723332	EPA 1668A	Dry	SB-04-26-28-250207	10723332020	(PCB 8) 2,4'-Dichlorobiphenyl	36.5 J	85.9 UJ	TSP, MBK

Notes:

MBK = Method blank contamination.

EMC = Estimated maximum possible concentration results for dioxins.

TSP = Total solids was below 30% (for solid samples).

FDP = Field duplicate qualifier due to an exceedance of the specified limits.

J- = The result is an estimated quantity, but the result may be biased low.

J = Estimated concentration.

J+ = The result is an estimated quantity, but the result may be biased high.

UJ = The compound was not detected. The reported sample quantitation limit is approximate.

U = The compound was analyzed for but not detected.

