

JOINT BASE MYER – HENDERSON HALL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PROGRAM PLAN



APPENDIX C.1

PCB TMDL ACTION PLAN

FOR FORT MYER & HENDERSON HALL INSTALLATIONS FORT MYER, VIRGINIA

February 2024 Update

Prepared in accordance with:

Virginia Stormwater Management Program (VSMP) General Permit No.: VAR04 General Permit for Discharges of Stormwater from Small MS4s

VSMP Registration Number VAR040068

Prepared by: JBM-HH Directorate of Public Works, Environmental Management Division This page intentionally left blank.

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ACRONYMS

ANC ATSDR BMP BRAC CDC DA DoD DPW EPA FMMC JBM-HH JFHQ-NCR LA MDW MOS MS4 NPDES OWS PCB POC PDC PDC PDC PDC PDD PDC PDD PDC PDC PD	Arlington National Cemetery Agency for Toxic Substances and Disease Registry Best Management Practice Base Realignment and Closure Child Development Center Department of the Army Department of Defense Directorate of Public Works U.S. Environmental Protection Agency Fort Myer Military Community Joint Base Myer-Henderson Hall Joint Force Headquarters-National Capital Region Load Allocation Military District of Washington Margin of Safety Municipal Separate Storm Sewer System National Pollutant Discharge Elimination System Oil/water Separator Polychlorinated Biphenyls Pollutants of Concern parts per billion parts per million Total Maximum Daily Load U.S. Army Corps of Engineers U.S. Marine Corps Virginia Department of Transportation Virginia Stormwater Management Program
VDOT VSMP WLA WQLS	Virginia Department of Transportation Virginia Stormwater Management Program Wasteload Allocation Water Quality Limited Segments

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1.0 INTRODUCTION AND BACKGROUND

1.1 Installation Description and Organization

Joint Base Myer-Henderson Hall (JBM-HH) is located in the District of Columbia Metropolitan Area and was created from the administrative reorganization of the Fort Myer Military Community (Fort Myer and Fort McNair) and the Marine Corps installation at Henderson Hall as a result of Base Realignment and Closure (BRAC) 2005 recommendations. Fort Myer assumed Installation management responsibilities and integration of some functions and services between U.S. Army Installation Fort Myer (Fort Myer) and Marine Corps Headquarters Battalion Henderson Hall (Henderson Hall) to provide more efficient support of the on-Installation and regional populations. JBM-HH, which includes Fort McNair in Washington, D.C., serves as the Joint Force Headquarters-National Capital Region (JFHQ-NCR), and the Military District of Washington (MDW) base support of operations, providing a broad level of support for missions of homeland defense, defense support to civil authorities and world-class ceremonial, musical, and special event missions. JBM-HH is home to the 3rd U.S. Infantry Regiment (The Old Guard) and the U.S. Marine Corps (USMC) Headquarters Battalion structured within the Marine Corps National Capital Region Command.

Fort Myer and Henderson Hall, jointly referred to as 'the Installation' in this Plan, are located in Arlington, Virginia, directly across the Potomac River from Washington, DC. The Installation occupies approximately 270 acres and is bordered on the north by Arlington Boulevard (Virginia Route 50), to the south by Columbia Pike (Virginia Route 244), to the west by Washington Boulevard (Virginia Route 27), and to the east by Arlington National Cemetery (ANC). Stormwater from the Installation ultimately discharges to the Potomac River, which is the nearest open water body and is located approximately 0.9 mile to the east of the Installation. Stormwater discharges from the Installation flow either east to an unnamed intermittent stream that flows through ANC and discharges to the Potomac River via Boundary Channel, north to Arlington County storm drains within the Rocky Run watershed (and ultimately to the Potomac River), or west and south to Lower Long Branch Creek and Arlington County storm drains that drain to the Potomac River via Fourmile Run, a Potomac River tributary.

A site location map is provided as **Figure 1** below.



Figure 1: Site Location Map

1.2 MS4 Permit

Discharges from municipal separate storm sewer systems (MS4s) in the Commonwealth of Virginia are regulated under the Virginia Stormwater Management Act, the Virginia Stormwater Management Program (VSMP) permit regulations, the National Pollutant Discharge Elimination System (NPDES), and the federal Clean Water Act. Stormwater discharges from Phase II (small) MS4s in Virginia are regulated under the General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (General Permit) as published at 9 VAC 25-890-40. Small MS4s include storm sewer systems operated by cities, counties, towns, federal facilities such as military bases. Veteran's Affairs hospitals and research facilities. Department of Defense (DoD) facilities and parkways, and state facilities such as the Virginia Department of Transportation (VDOT), community colleges, and public universities. The Virginia MS4 General Permit issued to JBM-HH applies to Fort Myer and Henderson Hall.

The MS4 Permit requires permit holders to develop a Chesapeake Bay Total Maximum Daily Load (TMDL) Action Plan in order to meet required pollutant load reductions for nitrogen, phosphorus, and sediment. A TMDL is the maximum amount of a pollutant that a body of water can receive while still meeting water quality standards. Facilities located in a watershed that has a TMDL for a particular pollutant are often required to monitor outfall discharge for that pollutant and implement Best Management Practices (BMPs) to help control pollutants and prevent them from reaching the impaired waterways.

Part II.B of the MS4 General Permit contains special conditions regarding approved TMDLs other than the Chesapeake Bay TMDL. The permit requires MS4 operators to prepare and implement specific TMDL Action Plans for pollutants subject to a TMDL where the MS4 has been allocated a wasteload in an approved TMDL. The TMDL Actions Plans must identify the best management practices and other interim milestone activities to be implemented during the term of the MS4 General Permit.

The US Environmental Protection Agency (EPA) approved a TMDL for Polychlorinated Biphenyls (PCBs) for the Potomac River on October 31, 2007. Municipal stormwater discharges covered under NPDES permits are included in the TMDL stormwater Waste Load Allocations (WLAs). Therefore, small MS4s must develop and implement local TMDL Action Plans to reduce nonpoint source pollutant loads of pollutants of concern (POC) in order to meet the MS4's assigned WLA for PCBs.

To meet the permit requirements, this Action Plan describes the current and historic uses of PCBs on the installation, outlines a sampling and analysis plan to determine potential areas of concern, and recommends Best Management Practices (BMPs) to address potential PCB pollutant concerns.

The PCB TMDL Action Plan (Action Plan) for JBM-HH was developed from March-July 2016 and submitted to the Virginia DEQ on 18 July 2016. The Action Plan was approved by the Virginia Department of Environmental Quality (VADEQ) in a letter dated 26 July 2016. The Action Plan was revised in April 2020 to address requirements in the MS4 Permit that went into effect on November 1, 2018 and to incorporate applicable guidance provided in VADEQ Guidance Memo No. GM-16-2006, *TMDL Action Planning for Local Total Maximum Daily Loads as Required in the Small MS4 General Permit (VAR04) Effective July 1, 2013 and MS4 Individual Permits*, dated 21 November 2016. The Action Plan was revised again in June 2023 to address the results of PCB sampling conducted in late 2022. This February 2024 revision was prepared to address the updated MS4 General Permit published in November 2023 and to address the results of PCB sampling conducted in late 2023.

1.3 MS4 Program and Legal Authorities

The provisions contained in the MS4 Permit and associated regulations are enforced through JBM-HH policy memorandums and standardized procedures for project review and implementation. An Installation-wide stormwater policy was developed in 2016 and updated in 2019 and 2021 to address the Installation's compliance with the Virginia MS4 permit and other stormwater regulations. The policy outlines proper protocols for minimizing stormwater pollution during activities that directly and indirectly impact stormwater. The policy was most recently signed by the Joint Base Commander on 15 October 2021 and is included as **Appendix A**.

2.0 PCB CHARACTERISTICS AND FATE AND TRANSPORT

PCBs are a group of synthetic organic chemicals that were used for a variety of purposes from 1929 until 1979, when the U.S. banned manufacturing, processing, distribution, and use of PCBs. The molecular structure of PCBs include two benzene rings (known as biphenyl) and up to 10

chlorine atoms substituted on each of the benzene molecules, creating a total of 209 individual PCM compounds known as congeners.

There are no known naturally occurring sources of PCBs, so detections in air, water, or soil are related to the manufacture, use, or disposal of PCBs. At the height of their use, PCBs were found primarily in closed systems and heat transfer fluids, such as in transformers, capacitors, and fluorescent light ballasts. Historically, PCBs entered the environment from accidental spills and leaks during their transport and from leaks or fires in products containing PCBs. Currently, they can still be released from hazardous waste sites, illegal or improper disposal of industrial wastes and consumer products, leaks from old electrical transformers containing PCBs, and burning of some wastes in incinerators (ATSDR, 2014).

PCBs are highly resistive to chemical reaction. This stability means they remain in the environment for a long time without breaking down. The low vapor pressure of PCBs reduces their potential to volatilize.

PCBs are hydrophobic – meaning they are not easily dissolved in water – so the majority of PCBs will bind to organic particles and bottom sediments. PCBs bind strongly to soils and can enter surface water via contaminated soil particles in runoff. Therefore, limiting sediment transport from PCB sites would reduce the potential for PCB contributions to surface water.

PCBs can accumulate in leaves and other aboveground parts of plants and are also taken up by small organisms and fish. Consequently, ingesting fish may expose people to PCBs that have bioaccumulated in the fish tissue. Concerns over this bioaccumulation and exposure led to the development of PCB TMDLs for impaired water bodies.

3.0 POTOMAC WATERSHED PCB TMDL APPLICABILITY TO JBM-HH MS4 PERMIT

PCB TMDLs were established for 28 listed impaired water body segments in tidal portions of the Potomac and Anacostia Rivers in the District of Columbia, Maryland, and Virginia in 2007. The purpose of establishing the PCB TMDL was to ensure that fish tissue PCB concentrations do not exceed the impairment thresholds set for each jurisdiction, in order to protect human health with respect to fish consumption. The fish tissue impairment threshold for Virginia is 54 parts per billion (ppb). Section 303(d) of the Clean Water Act and EPA's implementing regulations require the states to identify impaired waters, called water quality limited segments (WQLS), where current pollutant controls are inadequate to achieve water quality standards and establish a TMDL for those WQLSs. Virginia has listed 19 tidal embayments of the Potomac River as impaired by PCB contamination. The impairment generally includes all tidal waters within each embayment, from the head-of-tide to the Potomac River mainstem.

A TMDL is the sum of the waste load allocations (WLAs), load allocations (LAs), and the margin of safety (MOS). The WLA portion consists of the permitted point sources that contribute to the total PCB load, such as waste water treatment plants, regulated stormwater, and combined sewer overflow. The LA portion consists of nonpoint source runoff, atmospheric deposition, tributaries, and identified contaminated sites. The MOS accounts for uncertainty in the load estimates.

JBM-HH's MS4 Permit falls under the WLA portion of the TMDL, as regulated stormwater. While JBM-HH does not directly impact the impaired waterbodies listed for Virginia, stormwater discharges from the Installation eventually discharge to the Potomac River, including Fourmile Run, which is an impaired waterbody. Therefore, any PCB contamination discharged through the Installation's storm drain system has the potential to impact the Potomac River and contribute to the total PCB load.

EPA allows pollutant loads attributed to NPDES-regulated stormwater outfalls to be expressed as a single stormwater WLA for each impaired waterbody (US EPA, 2002). Rather than assign

numeric pollutant limits on discharges from NPDES-regulated municipal and small construction stormwater discharges, EPA recommends that "effluent limits be expressed as best management practices (BMPs) or other similar requirements, rather than as numeric effluent limits."

4.0 JBM-HH PCB TMDL ACTION PLAN FOR SMALL MS4 PERMIT

4.1 PCB TMDL Action Plan

This Action Plan complies with the MS4 Permit requirement for addressing the PCB TMDL for JBM-HH. The Plan consists of the following:

- Historic use inventory and analysis
- Summary of the historic PCB site analysis
- Recommendations for sites with potential PCB sources
- Evaluation of existing Best Management Practices (BMPs)
- Sampling and analysis plan.

As required by the Permit, JBM-HH will provide a public comment period for the updated Action Plan for no less than 15 days and will notify DEQ in writing within 30 days if a previously unidentified significant source of PCBs is discovered within the MS4 permitted area.

4.2 PCB Historic Use Inventory Analysis

The PCB historic use inventory analysis of JBM-HH addresses transformers and other areas on the installation where PCBs currently exist, or have been stored, transported or spilled in the past. This information was compiled from available historical documents for the installation and transformer inspections performed as of May 2016.

Historically, transformers have been the main source of PCBs on the Installation. Information on current and historic transformers was requested from Dominion Virginia Power (Dominion), who has owned and maintained the transformers on the Installation since August 2007. Dominion states that since their contract started with JBM-HH in 2007, there have been no active transformers with over 50 ppm PCB content on the installation.

The transformer inventory, included as **Appendix B**, lists transformers (current at the time of assessment for this Plan, as well as historic), including locations, serial numbers, manufacturers, PCB content, and other information pertaining to the transformers. **Figure 2** shows the locations of the active transformers on the Installation. In May 2016, transformers currently located on the installation were inspected for signs of current or past oil staining or leaking. **Appendix C** lists locations where possible signs of PCB staining were noted near transformers during recent and past inspections, as well as locations where historical documents indicated PCB impacts were determined to exist based on samples and laboratory results. These sites are then evaluated for the potential for remaining PCBs to impact stormwater runoff. **Section 4.3** below details the site analysis. **Section 5.0** describes the sampling and analysis plan for two sites that were identified as having potential to impact stormwater.

Historical documentation for JBM-HH also indicates the previous use and disposal of PCB light ballasts. They were formerly stored in 90-day Hazardous Waste containers before disposal. PCB light ballasts are no longer used at JBM-HH and historical documentation did not reveal any incidents of PCB spills or impacts from light ballasts.

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4.3 Summary of Site Analysis

Sites that could be a potential source of PCB impacts were evaluated through the review of historical records and in-person site inspections. The table in **Appendix C** lists the locations that were assessed, including sites with current and/or historic transformers and other locations where evidence of PCB leaks was recorded. This section describes the sites identified to be of potential concern and provides a detailed explanation of the reason these sites are not considered to be potential PCB sources or to explain why further sampling and characterization is recommended. The sites not described in this section were not identified as potential sources of PCBs because transformers have been removed or replaced, the buildings have been demolished, previous sampling determined there were no PCB-impacted materials, and/or site inspections determined there were no signs of staining or other conditions to suggest potential PCB impacts.

Historically, the transformers on the installation were owned and operated by Fort Myer and Henderson Hall. However, in 2007, operation of the Installation's electrical distribution system including transformers was assumed by Dominion Virginia Power, who now operates and maintains the transformers. When this transfer of operation occurred, the Dominion's contract stated that all PCB transformers contained less than 50 ppm.

<u>Building 301</u>: Historic transformers were removed and replaced by the current transformer in December 2012. The inspection of the current transformer found that there was no indication of leaking. In 1988, a leak was detected from a historic transformer. It was determined that the transformer had been leaking for five years and that much of the soil surrounding it was PCB-impacted. In a 1990 site plan, a plan was outlined to test the pad and area for PCBs and remediate the area as needed. However, no documentation was found to confirm that this activity was completed. This area has also undergone construction over the years. It is unlikely this area is a current source of PCB impacts to surface water given the time since the leak occurred and the amount of soil disturbance that has occurred at the site. It is expected that even if this area was not remediated as planned, any impacted soil or materials that had existed would have been removed by construction activities.

<u>Building 403</u>: Three historic transformers were previously located in Building 403 on concrete surfaces. Previous wipe samples were collected in 1996. Remediation of this building was completed as of March 1993, but subsequent wipe samples showed that additional remediation was required. Documentation of this remediation was not found. However, the PCB impacts appear to have been limited to the concrete surfaces underlying the pad with no indication that underlying soils were impacted. The building has since been demolished and since the transformers were in the building and the building has been removed, there is no current source of PCBs at this site.

<u>Building 406</u>: Three historic transformers were previously located in Building 406 on concrete surfaces. Remediation of this building was completed as of March 1993, but subsequent wipe samples showed that additional remediation was required. Documentation of this remediation was not found. However, the PCB impacts appear to have been limited to the concrete surfaces underlying the pad with no indication that underlying soils were impacted. It was determined that two of the transformers were removed prior to 2007 and the third one was discovered in the basement of Building 406. This transformer was removed in 2009 and the building has since been demolished. Since the transformers were in the building and the building has been removed, there is no current source of PCBs at this site.

<u>Building 410</u>: There was a historic transformer in this building, which was replaced by a new transformer. The site inspection found no evidence of leaks from the new transformer. Remediation was completed in the area around the historic transformer in 1993 presumably related to a transformer leak, but subsequent sample results indicated that additional remediation

was required in one area. A sampling plan noted that this area would be remediated by removing one inch of the concrete floor, as well as the concrete curb adjacent to the transformer. No documentation was found to confirm that this was completed; however, the building has since been demolished and the impacted concrete removed. Since the transformers were in the building and the building has been removed, there is no current source of PCBs at this site.

<u>Building 270/273</u>: The transformer at Building 273 was listed as Building 270 Dog Kennels in the 1996 Inventory. The 2016 site inspection found some corrosion at the bottom of the transformer and some staining of indeterminate source. Since the nature and age of the staining could not be determined, this site could not be ruled out as a potential source of PCB impacts, stormwater runoff characterization was recommended in the 2016 Action Plan. This site was included in the sampling analysis plan.

<u>Child Development Center and surrounding areas</u>: The Child Development Center (CDC) (Building 483) is a new building that was constructed in the location of former burn areas at the Installation. These areas, known as the north and south burn areas, were historically used to burn waste materials such as wood and paper. Sampling conducted of these areas as part of remediation efforts found a maximum PCB concentration of 34 ppm, exceeding the USEPA PCB cleanup levels for non-restricted access areas (10 ppm).

The area to the north and northwest of Building 483 was formerly occupied by Building 501 and a playground area. The building and playground have been removed and these areas are currently grassy fields. The playground area was remediated in 1984-1985, when 200 cubic feet of PCB-impacted sand and soil were excavated and replaced with clean fill (clay and loose sand). The area northeast of Building 501 was a former sanitary landfill that contained PCB-impacted soils. Surface soil samples collected in 1984 found a concentration of 2.24 ppm, which is below the USEPA PCB cleanup levels for non-restricted access areas (10 ppm).

Soil samples were also previously collected from the area east of former Building 501 that is currently occupied by a parking lot for the Rader Health Clinic and ballfield area. None of these samples had PCB concentrations that exceeded the USEPA PCB cleanup levels for non-restricted access areas (10 ppm).

This area is not anticipated to be a significant source of PCBs in stormwater runoff given that PCB-impacted soils in these areas were either remediated or concentrations were found to be below EPA cleanup levels, and that a substantial amount of construction and demolition has occurred in these areas. However, given the large size of the area and the history of PCB impacts, stormwater runoff characterization was recommended in the 2016 Action Plan and this site was included in the sampling analysis plan.

4.4 Best Management Practices (BMPs) Analysis and Implementation Plan

Best management practices (BMPs) are control measures used to reduce pollution in stormwater and surface waters. BMPs can be temporary, such as silt fences used to control sediment pollution from active construction sites, or permanent, such as detention basins used to manage runoff from a parking lot.

BMPs can also be structural or nonstructural. Structural BMPs are physical controls designed to divert, contain, treat, reuse, or otherwise manage stormwater runoff to reduce pollutants in stormwater discharged from the site. Examples of structural BMPs include vegetation controls (rain gardens, bioretention areas), infiltration systems, detention basins, retention basins, oil/water separators, and pervious surfaces (pavers, porous pavement).

Non-structural BMPs are operational practices intended to improve stormwater quality by minimizing or eliminating the potential contact of pollutants with runoff at or near their source.

Examples of nonstructural BMPs include public education, good housekeeping practices, preventative maintenance, spill prevention and response procedures, and routine inspections.

4.4.1 BMP Evaluation

The structural control measures currently implemented at the Installation to control the discharge of pollutants primarily include oil/water separators (OWSs), stormwater detention ponds, sand filter systems, and bioretention systems. The current non-structural control measures primarily include good housekeeping, preventive maintenance, spill prevention and response, and visual inspections. **Table 1** below lists structural and non-structural BMPs implemented at the Installation and evaluates whether they address PCB concerns, and provides recommendations for addressing PCBs where applicable.

General BMP Description	Evaluations and Recommendations					
Structural Controls						
Detention basins – treats stormwater from vehicle parking, exterior material storage, and fueling areas; helps to manage the quantity of runoff.	 Evaluation: If located in an area downgradient from a potential PCB source, any BMP designed to promote settling and retention of sediment could help in limiting the transport of PCB-contaminated soil. Recommendation: None 					
Oil/water separators – most trench drains and floor drains are connected to the OWSs, which then discharge to the sanitary sewer system. One OWS treats runoff from a vehicle fueling station and discharges to a detention basin.	Evaluation: In general, this BMP does not apply to the PCB TMDL. Recommendation: None					
Sand filter systems – treats stormwater from vehicle parking and exterior material storage areas; often connected to underground detention basins; filters out sediment, grease, and other vehicle fluids from the runoff.	Evaluation: If located in an area downgradient from a potential PCB source, any BMP designed to promote settling and retention of sediment could help in limiting the transport of PCB-contaminated soil. Recommendation: None					
Roof cover – over fueling areas and equipment, limits stormwater exposure for potential pollutant sources.	Evaluation: This BMP does not apply to the PCB TMDL. Recommendation: None					
Bioretention systems (includes tree filter boxes) – treats stormwater primarily from roadway areas; filters out sediment, grease, and other vehicle fluids from the runoff	Evaluation: If located in an area downgradient from a potential PCB source, any BMP designed to promote settling and retention of sediment could help in limiting the transport of PCB-contaminated soil. Recommendation: None					

Table 1. Evaluation and Recommendation of Existing BMPs at JBM-HH

General BMP Description	Evaluations and Recommendations				
Non-structural Controls					
Perform Illicit Discharge Detection and Elimination Procedures	Evaluation: Not likely to detect PCBs since procedures rely on visible indicators of pollutants; however, eliminating sources of sediment discharges detected by the program could help limit the transport of PCB- contaminated soil. Recommendation: None				
Indoor vehicle maintenance activities and equipment/material storage – eliminates stormwater exposure for potential pollutant sources.	Evaluation: This BMP does not apply to the PCB TMDL. Recommendation: None				
Regular SWPPP inspections of high-priority areas on base – helps to identify leaks, spills, and potential pollution sources to reduce the potential impact to stormwater; inspections of industrial areas are currently performed semi-annually.	Evaluation: Regular inspections could identify releases of potentially PCB-containing materials. Recommendation: Train inspectors about potential PCB-specific sources (e.g., leaking transformer).				
Regular inspections of the Long Branch Detention Basin drainage area to identify and address bare soil, erosion, other sources of sedimentation, spills, leaks, and more that could contribute to the movement or accumulation of sediment with bound PCBs. Inspections of the drainage area are performed semi-annually and documented on an inspection form included in this Action Plan as Appendix D .	Evaluation: Regular inspections could identify potential sources of PCB-containing materials. Recommendation: None.				
Spill kits available – located near vehicle maintenance and fueling areas; kits include booms and absorbent material.	Evaluation: Spill kits could help prevent future potential PCB contributions by ensuring timely containment and cleanup of future spills. Recommendation: None				
Good housekeeping – performed throughout the installation; reduces possibility of accidental spills; includes routine sweeping and cleanup, use of drip pans and absorbent materials; regular waste disposal, and proper storage of materials.	Evaluation: Good housekeeping measures could aid in identifying PCB release or potential release, including the need to repair or remove potential sources (e.g., transformers). Recommendation: Train staff about potential PCB-specific sources (e.g., leaking transformer).				

Table 1. Evaluation and Recommendation of Existing BMPs at JBM-HH

Table 1. Evaluation and Recommendation of Existing BMPs at JBM-HH

General BMP Description	Evaluations and Recommendations
Use of water-tight dumpsters, waterproof storage cabinets/sheds for outdoor material storage – located throughout the installation; minimizes stormwater exposure for potential pollutant sources.	Evaluation: This BMP does not apply to the PCB TMDL. Recommendation: None
Preventative Maintenance – includes the regular inspection and maintenance of stormwater control structures, equipment, and systems.	Evaluation: Regular maintenance of stormwater control measures that promote settling and retention of sediment could help in limiting the transport of PCB-impacted soil. Recommendation: None
Filling operations of USTs and ASTs are monitored by facility personnel – ensures that the tanks are filled properly and any spills are cleaned up immediately and appropriately.	Evaluation: This BMP does not apply to the PCB TMDL. Recommendation: None
Public education and outreach programs regarding the protection of stormwater.	Evaluation: Public education and outreach programs regarding the protection of stormwater provide an opportunity to increase awareness of PCBs and the PCB TMDL at Fort Myer.
	Recommendation: Develop an information sheet that includes: basic facts about PCBs and the PCB TMDL, a summary of PCBs at the Installation, what has been done to eliminate PCB contamination, and what an individual should do if they observe a condition such as a leaking transformer that could be a source of PCBs.

4.4.2 Site Specific BMP Analysis

Although not specifically in place to address PCB issues, JBM-HH has a variety of structural stormwater and erosion control BMPs in place. Many of these, mostly those that are aimed at reducing the erosion and transport of sediment, may limit the transport of PCB-contaminated soil. These include natural vegetation, detention basins, sand filter systems, vegetated swales, and bioretention systems. Non-structural BMPs, such as regular inspections and maintenance of structural BMPs and good housekeeping measures throughout the installation, also may aid in reducing the potential for PCB releases.

Stormwater discharges from the area surrounding Building 270/273 Dog Kennels transformer that was observed with unidentified staining is treated by structural stormwater BMPs. The transformer is surrounded by a well-vegetated, grassy area, which would limit the transport of any soil that may be or become contaminated by PCBs. This area drains to a dry detention basin, which promotes settling of sediments.

The CDC (Building 483), which is in the location of the former south and north burn areas, has a large building that occupies most of the former burn areas and is surrounded by vegetated and paved areas. The area to the east of the CDC is mostly occupied by a large parking lot. The area to the north of the parking lot is a maintained ballfield, and the area to the north of the CDC, the former Building 501 and playground, is a well-vegetated area. Buildings and paved areas essentially act as a cap preventing soils from eroding. If well maintained, the vegetated, grassy areas should prevent erosion.

4.4.3 BMP Recommendations Summary and Implementation Plan

General BMPs recommended for implementation, the schedule for implementation and reporting, and the status of the BMP implementation as of the 2023 Action Plan Update are provided in **Table 2** below. The status of PCB-focused BMPs has also been included in the MS4 Annual Reports.

BMP Description Implementation and Reportin		Progress as of 2023				
2013-2018 Permit Term BMPs						
 Develop a fact sheet that includes the following: Basic facts about PCBs and the PCB TMDL Summary of history of PCBs at Fort Myer Steps taken to eliminate PCB contamination 	Fact sheet development will begin during the 2016-2017 reporting cycle. The fact sheets will be available by then end of the 2016 calendar year. Status of development and implementation will be summarized in Annual Reports.	To reach a wide audience of base-wide residents, employees, and military personnel (current and retirees) that utilize the services at JBM-HH, an article about PCBs and the PCB TMDL Action Plan was prepared and published in the widely-read base newspaper, <i>The</i> <i>Pentagram</i> . The article was published on March 7, 2017 and is included as Appendix E .				
 Steps one should take if they observe oil leaking from a transformer Make fact sheet available through housing occupant orientation, annual training on the Stormwater Pollution Prevention Plan (SWPPP) installation operations and maintenance training materials. 		Additionally, training slides were developed to address these PCB topics and were included in the annual SWPPP Training provided to employees at JBM-HH and brochures geared towards residents on base and new hires were updated to include information on PCBs (included as Appendix F). These brochures are distributed on a regular basis.				
Continue to perform routine maintenance, as required, of BMPs that may help to control PCBs, such as detention basins.	To be augmented as needed to address potential PCB-impacted discharges. Routine maintenance performed will be summarized in Annual Reports.	Routine maintenance of systems and BMPs that may help control PCBs is scheduled and performed as needed. JBM- HH has contracted with USACE to conduct annual inspections of all aboveground and underground structural BMPs at the Installation, which will more quickly identify issues and allow them to be addressed.				
Develop PCB sampling plan to comply with PCB TMDL requirements.	Completed and provided as part of this Action Plan. Results from sampling will be included in Annual Report.	Three outfalls were identified in areas with historic PCB use for sampling. To date, all of the outfalls have been sampled twice. PCBs were detected in the most recent sample collected from Outfall 012. JBM-HH is in the process of coordinating additional sampling to investigate this further. Additional details are provided in Section 5.				
Modify existing stormwater pollution prevention training materials for municipal operations to include a section on identifying and reporting potential PCB leaks.	New training language to be developed during the 2016-2017 reporting cycle. Inclusion of PCB section in training materials will occur early 2017. Status of development and implementation will be summarized in Annual Reports.	Annual stormwater pollution prevention training materials for Public Works employees were modified in 2017 to include PCB TMDL awareness, PCB source identification, and reporting information.				

Table 2. BMP Implementation Progress

2018-2023 Permit Term BMPs					
Update stormwater pollution prevention brochures to include basic facts about PCBs and the PCB TMDL and steps one should take if they observe oil leaking from a transformer. Distribute the brochures to new hires employed at JBM-HH.	Brochure will be updated and distributed through New Hire Packets in 2020.	Due to operational changes caused by the Covid-19 pandemic, new hire packets are no longer distributed. Instead, a stormwater pollution prevention brochure geared towards employees was updated to include information on PCBs. These brochures have been distributed to staff at various facilities on base during EMD's multi-media environmental compliance inspections on base. Additionally, an article published in The Pentagram on July 2, 2022, on recognizing and reporting potential pollution concerns so that they may be promptly addressed included guidance on transformer leaks (included as Appendix G).			
Continue to perform routine maintenance, as required, of BMPs that may help to control PCBs, such as detention basins.	To be augmented as needed to address potential PCB-impacted discharges. Routine maintenance performed will be summarized in Annual Reports.	Routine maintenance of systems and BMPs that may help control PCBs is scheduled and performed as needed. JBM- HH has contracted with USACE to conduct annual inspections of all aboveground and underground structural BMPs at the Installation, which will more quickly identify issues and allow them to be addressed. JBM-HH has also established a Stormwater Management Facility (SMF) Maintenance Contract through NAVFAC Washington to conduct routine and non-routine maintenance on the majority of JBM-HH's BMPs during CY2023. As of May 2023, maintenance activities are ongoing. This contract will help to ensure proper routine maintenance of BMPs, as well as prompt addressing of issues noted during annual BMP inspections.			
Gain access to Outfall 012 and complete second sampling event as described in Section 5.	As of 2020: Access is currently being coordinated and sampling will occur as soon as possible.	The second sampling event has been completed for Outfall 012. PCBs were detected in this sample and JBM-HH is in the process of coordinating additional sampling to investigate this further. Additional details are provided in Section 5.			
Continue to provide information on identifying and reporting potential PCB leaks during the annual stormwater pollution prevention training for municipal operations staff.	The training slides have been completed and will continue to be used during annual training sessions.	Annual stormwater pollution prevention training materials for Public Works employees were modified in 2017 to include PCB TMDL awareness, PCB source identification, and reporting information. This training is provided annually, with the most recent training sessions conducted on March 29 & 30, 2023.			

5.0 SAMPLING AND ANALYSIS PLAN

To comply with the MS4 permit, this plan documents the proposed sampling plan developed in 2016 for stormwater runoff from areas surrounding the transformer by Building 270/273 as well as the area surrounding the CDC. Results from the planned sampling have been documented in the MS4 Annual Reports and are included below in **Section 5.2**.

5.1 2016 Sampling Plan

Site access for sampling will be coordinated with facility staff. Stormwater runoff will be collected at stormwater Outfall 21 from two storm events to assess the runoff from the area of the transformer at Building 270/273 (Dog Kennels). **Figure 3** below shows the transformer and Outfall 21 locations.



Figure 3. Transformer at Building 270/273 and Outfall 021 Sampling Point

Stormwater runoff will also be collected from stormwater Outfalls 12 and 13 from two storm events to assess the area surrounding the CDC. **Figure 4** below shows the locations of the former northern burn pit, southern burn pit, Building 501, and playground.



Figure 4. Area Surrounding Child Development Center and Outfalls 12 and 13 Sampling Points

These locations will be sampled during two wet events. These events must occur at least 72 hours from the previously measured (>0.1 inch) storm event, and the storm event during which sampling occurs must yield at least 0.1 inch of precipitation. One grab sample will be collected from the outfalls during each sampling event. The samples must be collected during the first 30 minutes of discharge, or within the first hour if the first 30 minutes is impractical.

For each sample, a volume of at least 2 liters, but ideally 4 liters, of unfiltered water will be collected directly into one 4-liter amber glass jar. All sampling bottles will be laboratory supplied and must be certified pre-cleaned and PCB-free with Teflon lined caps. While collecting the sample, the cap will be temporarily placed in aluminum foil and immediately returned to the bottle once the sample is collected. As recommended by the VADEQ, duplicate samples and field blanks will be collected.

All sample bottles will be labeled and placed on ice in a hard-sided shipping cooler and chilled to <6°C. Sample bottles will be wrapped in bubble wrap and secured to prevent breakage or sample loss and shipped to the laboratory completing the analysis immediately following the sampling event. Coolers will be sufficiently packed with ice to ensure the temperature is maintained at < 6°C for shipment to the analytical laboratory.

All samples will be recorded on a laboratory provided Chain-of-Custody form, sealed in a waterproof bag (i.e., sealable freezer bag), and taped to the inside of the cooler lid. The coolers will be sealed and shipped to the laboratory for immediate analysis by EPA Method 1668, which is capable of detecting low-level concentrations of all 209 PCB congeners. Individual congeners are summed to form total PCB. The samples will be analyzed by Phase Separation Science, a

Virginia Environmental Laboratory Accreditation Program certified laboratory included in the VADEQ list of laboratories, performing low level PCB congener analysis (EPA Method 1668).

Method Number/Analysis	EPA Method 1668/PCB
Preservatives	< 6°C immediately
Analytical Holding Time	365 days
Sample Volume	\geq 2 liters \leq 4 liters
Container	1 4-liter Amber Glass Bottle

The Annual Report will include a characterization of the discharges and an estimate of annual PCB loading in stormwater discharges based on precipitation records and land uses and the quantity of PCBs. The report will also include recommendations for further characterization or remediation, if necessary.

5.2 Sampling & Analysis Plan Implementation Progress

Implementation of the Plan began in Fall 2016 with the preparation for the PCB sampling and coordination with the analytical laboratory. The first sampling event occurred on 11 May 2017. PCB concentrations were not detected in discharges from any of the three outfalls included in the sampling plan. A second qualifying rain event that produced flow from the three outfalls did not occur by the end of 2017. The next sampling event occurred on April 24, 2018, when flow was produced from Outfall 021. PCB concentrations were not detected in the sample. Outfall 013 was sampled on August 21, 2018, and laboratory results indicated PCB concentrations were not detected in the sample.

Access to Outfall 012 was interrupted with security activities related to the new perimeter security fence installation on base. The final sampling event for Outfall 012 was conducted on August 30, 2022. Sampling and summarized analysis results are presented in the tables below:

STORM EVENT:

Data	Duration		Rainfall	Preceding Event	
Dale	Hrs	Min	total (in.)	Days	Hrs
22-Aug-30	1	0	0.2	8	21

Outfall ID	Units	Date Sampled	Time Sampled	Total PCBs*	
Outfall 012	ug/L	30-Aug-22	5:10 PM	0.0018	
Field Duplicate (Outfall 012)	ug/L	30-Aug-22	-	0.0077	

Monitoring Date: August 21, 2018

*Total breakdown of PCB results is included as Appendix H.

6.0 ADDITIONAL INVESTIGATION

6.1 Completed Additional Investigation

The complete results from the August 2022 Outfall 012 PCB monitoring are shown in the Laboratory Report attached as **Appendix H**. Based on the known historical presence of PCBs in

this area as indicated in Section 4, and the detections of PCBs at low concentrations in the sample collected from Outfall 012 during the August 2022 monitoring event, JBM-HH conducted additional investigation and sampling in this area.

In November 2023, JBM-HH EMD collected stormwater samples from three inlets located upgradient from the Long Branch Detention Basin and associated Outfall 012, where the PCBs were detected in August 2022. These three stormwater inlets discharge to Outfall 012 and would therefore help to narrow down the potential source of PCBs. EMD collected an additional sample from Outfall 012 concurrent with the inlet samples for correlation and to provide an additional set of data points. The four monitoring points are shown in **Figure 5** below.

Samples collected from these monitoring points, as well as one duplicate and one field blank, were analyzed using EPA Method 1668.



The complete results from the November 2023 PCB Sampling event are shown in the Laboratory Report attached as **Appendix I**. Sampling and summarized analysis results are presented in the tables below:

STORM EVENT:

Date	Duration		Rainfall	Preceding Event	
	Hrs	Min	total (in.)	Days	Hrs
10-Nov-23	9	0	0.18	10	10

Outfall ID	Units	Date Sampled	Time Sampled	Total PCBs
Monitoring Point #1 (Outfall 012)	µg/L	10-Nov-23	09:25	0.036
Duplicate of Monitoring Point #1*	µg/L	10-Nov-23	09:20	0.046
Monitoring Point #2	µg/L	10-Nov-23	08:55	0.00091
Monitoring Point #3	µg/L	10-Nov-23	09:10	0.0035
Monitoring Point #4	µg/L	10-Nov-23	09:32	0.0074

Monitoring Date: November 10, 2023

* Included in lab report as Monitoring Point #5

6.2 Additional Investigation Plan

Based on the results of the November 2023 sampling event, further investigation will be conducted to attempt to identify the source of PCBs affecting the results. Actions to be implemented include the removal of accumulated sediment in the stormwater drains and inlets leading into the Long Branch Detention Basin and another round of sampling from the same monitoring points, with the goal of determining whether the detection of PCBs were the result of sediment that has accumulated in the stormwater system over many years or if there is potentially a different source of PCBs in the drainage area.

In advance of additional PCB sampling in the drainage area surrounding the Long Branch Detention Basin, storm drain cleaning must occur to remove trash, debris, and sediments which may be contributing to detections of PCBs in stormwater discharging from that area. The storm drain cleaning will include the manual removal of large debris and trash from inlets followed by wet cleaning with a vacuum truck to collect all wash water and sediment. Documentation of each structure cleaned will include procedures used at that location, the total volume of wastewater resulting from cleaning, and the volume of materials removed from each structure.

Stormwater piping leading to the Long Branch Detention Basin will be flushed out; and a vacuum truck will remove flushed out sediment and other materials from three key points, which include Monitoring Points 2, 3, and 4.

In addition to the storm drain cleaning and additional PCB sampling, regular inspections for each facility within the drainage area of the Long Branch Detention Basin and Outfall 012 will be conducted to identify and address areas of bare soil, signs of erosion, leaks and spills, and other potential sources of sediment in the drainage area. These inspections will be conducted on a semi-annual basis and will be documented using the inspection form included as **Appendix D**.

If a PCB source is identified on the Installation, EMD will investigate potential mitigation methods and develop and implement a mitigation plan.

7.0 PLAN EVALUATION AND CONCLUSIONS

JBM-HH continues to use the adaptive management six step process to guide the review and revision of the Action Plan. These steps include: assess problem, design, implement, monitor, evaluate, and adjust.

The transformer at Building 270/273 and the CDC and surrounding areas were the two sites selected for stormwater runoff sampling at the time of the initial assessment in 2016. Based on historical records review, the removal or replacement of old transformers, and the 2016 site inspection results, the remaining historical PCB locations identified in 2016 are unlikely sources of PCB contamination to surface water.

Based on sampling events conducted for the area around the former transformer at Building 270/273, analytical results indicated that the drainage has not been impacting stormwater runoff with PCBs.

Based on the detections of PCBs at low concentrations in the sample collected from Outfall 012 during the August 2022 monitoring event, JBM-HH conducted additional investigation and sampling in this area, as described above in Section 6.1. Based on the results of this additional investigation, JBM-HH is currently in the process of coordinating the removal of accumulated sediment in the stormwater drains and inlets leading into the Long Branch Detention Basin and conducting another round of sampling from the same monitoring points, with the goal of determining whether the detection of PCBs were the result of sediment that has accumulated in the stormwater system over many years or if there is potentially a different source of PCBs in the drainage area. Once this investigation is complete, this Action Plan will be updated with the results.

Actions taken under previous versions of this Action Plan achieved several key results, including the following:

- Successful assessment of potential areas of historical PCB use
- An increase in public knowledge and awareness of PCB sources and potential impacts
- Successful monitoring of an area with detected PCB concentrations in stormwater.

This Action Plan has been updated with additional strategies for monitoring the drainage area of the basin where PCBs were detected, including conducting regular inspections of the drainage area and additional sampling to further investigate potential sources.

No new potential sources of PCBs have been identified on the Installation through reviews and monitoring of proposed projects. Due to the restrictions in the manufacturing, processing, distribution, and use of PCBs, it is assumed that any new transformers installed on base will contain non-PCB oils. As required by the permit, VADEQ will be notified in writing within 30 days if a previously unidentified significant source of PCBs is discovered at JBM-HH.

Stormwater outreach materials and training slides will continue to include information on PCBs and structural BMPs will continue to be inspected on a regular basis to ensure proper functionality. Additionally, site inspections will continue to include transformers in order to identify signs of leakage.

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Appendix A – JBM-HH 2021 Stormwater Policy

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AMIM-MHP-E

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Joint Base Myer-Henderson Hall (JBM-HH) Policy Memorandum PW-9, Stormwater Policy

1. REFERENCES.

a. General Virginia Pollutant Discharge Elimination System (VPDES) Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems, Permit No. VAR040068 (Effective Date: 1 Nov 18, Expiration Date: 31 Oct 23).

b. Federal Water Pollution Control Act (The Clean Water Act) (enacted in 1948, amended in 1972).

c. Energy Independence and Security Act (EISA), Section 438, 4 Jan 07.

d. National Pollutant Discharge Elimination System (NPDES), 40 CFR Part 122, revised 12 Jun 19.

e. Executive Order 13834, Efficient Federal Operations, 17 May 18.

f. Executive Order 13508, Chesapeake Bay Protection and Restoration, 12 May 09.

g. Chesapeake Bay Preservation Area Designation and Management Regulations, 9VAC25-830, 23 Oct 13.

h. Virginia Erosion and Sediment Control Regulations, 9VAC25-840, 23 Oct 13.

i. EPA NPDES General Permit for Discharges from Construction Activity, 16 Feb 19, as amended 27 Jun 19.

j. Virginia Stormwater Management Program Regulation, 9VAC25-870, 26 Feb 14.

k. Virginia General Permit for Discharges of Stormwater from Construction Activities, 9VAC25-880, 1 Jul 19.

I. Environment, Safety, and Occupational Health, 4715.1E, 31 Aug 18.

m. Environmental Protection and Enhancement, AR 200-1, 13 Dec 07.

2. PURPOSE. This memorandum sets forth the JBM-HH policy governing stormwater pollution prevention. The policy guidance provided in the enclosure outlines proper protocols for minimizing stormwater pollution during activities that directly and indirectly impact stormwater.



AMIM-MHP-E Subject: Joint Base Myer-Henderson Hall (JBM-HH) Policy Memorandum PW-9, Stormwater Policy

3. APPLICABILITY. This policy is applicable to all military and civilian personnel and contractors who live, work, or are authorized access to the JBM-HH community.

4. POLICY & PROCEDURES. All actions on JBM-HH shall comply with applicable regulations and policy set forth in the attached policy and procedures enclosed with this policy memorandum.

5. PROPONENT. The JBM-HH Directorate of Public Works, Environmental Management Division is the proponent for this policy. The POC is the Environmental Management Chief at (703) 696-8055.

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Encl

DAVID D. BOWLING COL, SF Commanding

DISTRIBUTION:

Stormwater Management Procedures Joint Base Myer-Henderson Hall

1. PERMITS AND APPLICABLE REGULATIONS.

a. Permits: General Virginia Pollutant Discharge Elimination System (VPDES) Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4), Permit No. VAR040068 (Effective Date: 1 November 2018, Expiration Date: 31 October 2023)

b. Applicable Regulations: In addition to the permit named above, the Stormwater Program must comply with federal and state regulations, and Department of Defense and Department of the Army policies, including the following:

(1) Federal:

- (a) Federal Water Pollution Control Act (The Clean Water Act).
- (b) Energy Independence and Security Act (EISA), Section 438.
- (c) Executive Order 13834, Efficient Federal Operations.
- (d) Executive Order 13508, Chesapeake Bay Protection and Restoration.
- (e) National Pollutant Discharge Elimination System, 40 CFR Part 122.
- (f) EPA NPDES General Permit for Discharges from Construction Activity.
- (2) Virginia:

(a) Chesapeake Bay Preservation Area Designation and Management Regulations, 9VAC25-830.

- (b) Erosion and Sediment Control Regulations, 9VAC25-840.
- (c) Virginia Stormwater Management Program Regulation, 9VAC25-870.

(d) Virginia General Permit for Discharges of Stormwater from Construction Activities, 9VAC25-880.

(e) Virginia General VPDES Permit for Discharges from Small Municipal Separate Storm Sewer Systems, 9VAC25-890.

(3) District of Columbia

(a) 2013 Rule on Stormwater Management and Soil Erosion and Sediment Control, Chapter 5 of Title 21 of the District of Columbia Municipal Regulations (DCMR), §§ 546, 547, and 552

(4) Department of Defense:

(a) Environment, Safety, and Occupational Health, 4715.1E

- (5) Department of the Army:
 - (a) Environmental Protection and Enhancement, AR 200-1

2. POLICY & PROCEDURES.

a. Stormwater runoff at Fort Myer and Henderson Hall flows to JBM-HH's storm sewer system, which is permitted by the Virginia Department of Environmental Quality (DEQ) as a small MS4 under the VPDES permit.

(1) Stormwater runoff at Fort McNair is not regulated by a specific permit; instead, stormwater from Fort McNair flows directly into the Potomac River or to the District of Columbia's MS4, which is permitted by the US Environmental Protection Agency (EPA). The Department of Energy and Environment (DOEE) has oversight of the MS4 and has the authority to take measures that reduce pollutants at the source, by inspecting facilities and issuing notices of violation, fines, and penalties for noncompliance with the District of Columbia's stormwater regulations.

(2) These permits and the District of Columbia's stormwater regulations serve as the basis for JBM-HH's Environmental Management Division (EMD) Stormwater Program duties. The Stormwater Program is responsible for maintaining compliance with permit conditions; however, compliance with permit conditions requires cooperation from other Directorates and Installation entities, as well as the Installation's residents, employees, and visitors. See Section 1.b for applicable regulations.

b. The following pollution prevention measures will be implemented to protect surface waters that receive stormwater discharges from JBM-HH:

(1) Illicit Discharges. JBM-HH's stormwater permit allows only stormwater into its storm sewer system. With a few exceptions, materials other than stormwater discharged to the storm drain system are called illicit discharges and are strictly prohibited.

(a) Any sort of dumping or disposal of material into a storm drain is considered an illicit discharge. Illicit discharges may be deliberate or unintentional and can occur at any time. Illicit discharges can range from oil spills to muddy runoff or tracked sediment to a sanitary sewer cross-connection, all allowing pollutants to enter the storm sewer system.

(b) EMD will investigate illicit discharges; however, residents, employees, and visitors should notify EMD when they observe an illicit discharge occurring. Examples of reportable incidents include:

1. Any flow observed 72 hours or more after the last rain event.

<u>2</u>. Muddy runoff or tracked sediment, especially near a construction site.

<u>3</u>. Washwater from vehicle and equipment washing (other than residents' personal vehicles).

 $\underline{4}$. Spilled or dumped chemicals or waste materials (dry or wet) that are entering a storm drain.

5. Pet wastes.

(c) Exceptions to the illicit discharge rule include water from firefighting activities; hydrant and potable water line flushings; irrigation water from landscape watering; and groundwater or spring water. Any concerns or suspected illicit discharges should be reported to EMD for further investigation.
(2) Vehicle Washing. Vehicle washing generates washwater that may be contaminated with grease, oil, fuel, dusts and residues, soaps, and other pollutants, which then flow untreated into storm sewer systems and waterways.

(a) JBM-HH residents may wash personal vehicles in residential areas of the Installation, but when possible, shall use the commercial vehicle wash at Henderson Hall or the vehicle wash rack at Fort McNair, which filters washwater before discharging water to the sanitary sewer system.

(b) JBM-HH's stormwater permit explicitly prohibits the discharge of washwater associated with municipal vehicle washing operations to JBM-HH's storm sewer system. Municipal vehicles include:

- <u>1</u>. JBM-HH police cars.
- 2. JBM-HH fire trucks and engines.
- 3. Military vehicles.
- 4. Public Works vehicles.
- $\overline{\underline{5}}$. Public Works equipment.
- 6. Buses.
- 7. Contractor vehicles and equipment.
- 8. All other vehicles designated for official government use at JBM-HH.

(3) Spills and Leaks.

(a) Every precaution should be taken when working with chemicals and materials outdoors so that spills are minimized. When they occur, respond to spills and leaks immediately to keep spilled material from entering the storm drain system. Spill kits are located at the AAFES fueling station for spill clean-up and in various workshops for employees' use.

(b) All spills and leaks are required to be reported to EMD for proper cleanup. Emergency spills and leaks involving hazardous substances should also be reported to Emergency Services by calling 911.

(4) Construction Projects. During their planning phase, construction projects of all sizes are required to consider their potential impacts to stormwater and adhere to the following guidelines to minimize stormwater pollution. Residents, employees, and visitors observing any stormwater incidents stemming from construction projects (e.g. runoff during dry weather, excessive sediment, trash and litter, concrete washout) should contact EMD.

(a) Fort Myer and Henderson Hall.

<u>1</u>. Stormwater discharges from construction must be minimized by using erosion and sediment controls and protective barriers around disturbed land and stockpiles. Projects disturbing 10,000 square feet of land or more (or 2,500 square feet of land or greater in areas designated under the Chesapeake Bay Preservation Act) must submit an Erosion and Sediment Control Plan to the Virginia DEQ for review and approval. Projects disturbing one acre or more must submit a Stormwater Management Plan to the Virginia DEQ for approval, develop a stormwater pollution prevention plan (SWPPP), and apply for a Construction General Permit. Virginia DEQ must approve Erosion and

Sediment Control Plans, Stormwater Management Plans, and SWPPPs and/or issue a Construction General Permit before land disturbing activities take place.

<u>2</u>. Any planned submittals to the Virginia DEQ must be submitted to the EMD for review at least 30 days prior to submission to Virginia DEQ. All construction projects, regardless of size, are subject to inspection by EMD personnel. Access to the construction sites must therefore be granted to EMD personnel whenever inspections are conducted.

<u>3</u>. JBM-HH's stormwater permit requires qualified Installation personnel to conduct inspections of construction projects disturbing 10,000 square feet of land or greater (or 2,500 square feet of land or greater in areas designated under the Chesapeake Bay Preservation Act) to ensure appropriate controls have been implemented to prevent non-stormwater discharges to the MS4. Inspections must be conducted at the following intervals:

- During or immediately following initial installation of erosion and sediment controls;
- At least once per every two-week period;
- Within 48 hours following any runoff producing storm event; and
- At the completion of the project prior to the release of any performance bond.

<u>4</u>. EMD has the authority to require compliance through corrective actions to ensure E&S and pollution prevention controls are properly implemented and maintained according to the site-specific E&S Plans and SWPPP. The construction project manager will be notified of any deficiencies noted during the above-described inspections. The contractor and/or project manager must complete the required corrective actions by the deadline established by EMD. EMD personnel will conduct follow-up inspections to ensure the deficiencies were properly addressed.

<u>5</u>. EMD has the authority to implement enforcement actions, including but not limited to issuing a stop-work order until deficiencies in E&S and pollution prevention controls or other incidents of non-compliance with the approved plans, permits, or requirements set forth in this policy are addressed and proof of compliance is provided to EMD. EMD's enforcement authority applies to all construction projects on base, regardless of size.

(b) Fort McNair:

<u>1</u>. Stormwater discharges from construction must be minimized by using erosion and sediment controls and protective barriers around disturbed land and stockpiles. All projects are subject to the DOEE's soil erosion and sediment control regulations, except projects that disturb less than 50 square feet of land. DOEE must review and approve soil erosion and sediment control plans before land disturbing activities take place.

<u>2</u>. In addition to a soil erosion and sediment control plan, projects disturbing greater than 5,000 square feet of land must develop a Stormwater Management Plan, which must be submitted to DOEE for review and approval before land disturbing activities take place.

<u>3</u>. Projects disturbing one or more acres of land must develop a SWPPP and obtain coverage under the EPA NPDES Construction General Permit.

<u>4</u>. Any plans and/or permits must be submitted to EMD for review at least 30 days prior to submission to DOEE and EPA. All construction projects are subject to inspection by EMD personnel.

<u>5</u>. All construction projects are subject to inspection by JBM-HH EMD personnel. Access to the construction sites must therefore be granted to EMD personnel whenever inspections are conducted.

<u>6</u>. EMD has the authority to require compliance through corrective actions to ensure E&S and pollution prevention controls are properly implemented and maintained according to the site-specific E&S Plan and SWPPP. The construction project manager will be notified of any deficiencies noted during the above-described inspections. The contractor and/or project manager must complete the required corrective actions by the deadline established by EMD. EMD personnel will conduct follow-up inspections to ensure the deficiencies were properly addressed.

<u>7</u>. EMD has the authority to implement enforcement actions, including but not limited to issuing a stop-work order until deficiencies in E&S and pollution prevention controls or other incidents of non-compliance with the approved plans, permits, or requirements set forth in this policy are addressed and proof of compliance is provided to EMD. EMD's enforcement authority applies to all construction projects on base, regardless of size.

(5) Stormwater Best Management Practices for High-Priority Facilities.

(a) Operations at Fort Myer with higher potential of discharging pollutants include the following:

Building 306 – Directorate of Public Works (DPW) Sign Shop

Building 325 – DPW Roads & Grounds Shop

Building 447 – DPW Boiler Plant & Storage Yard

Building 314 - The Old Guard (TOG) Motor Pool

Building 330 – Directorate of Logistics TMP Motor Pool

(b) Stormwater pollutant prevention at each of these facilities is described in JBM-HH's SWPPP. The Directorate of Public Works and TOG are responsible for implementing the stormwater best management practices (BMPs) as described in the Installation's SWPPP. The EMD is responsible for maintaining and updating the Installation's SWPPP, conducting quarterly compliance inspections of industrial areas, and notifying DPW and TOG of deficiencies in BMP implementation at the high-priority facilities.

(6) General Stormwater Best Management Practices. The following BMPs should be implemented at Fort Myer, Henderson Hall, and Fort McNair where possible to prevent the pollution of stormwater:

(a) Recycle. Do not throw recyclable materials in the regular trash.

(b) Keep trash cans and dumpsters closed. Report leaking trash cans or dumpsters to EMD.

(c) Do not throw trash, including cigarette butts, on the ground.

(d) Have your vehicle maintained regularly.

(e) Do not top off your vehicle tank when refueling.

(f) Use commercial car washes that recycle washwater.

(g) Immediately clean up spilled materials.

(h) If you see a spill of oil or of a hazardous material, report it by calling 911.

(i) If you see a condition that is causing or could cause stormwater pollution, notify EMD.

(7) Contacting the Environmental Management Division. Report any conditions that could cause stormwater pollution to the Environmental Management Division's Stormwater Program at (703) 696-1222 or at <u>usarmy.jbmhh.asa.mbx.fort-myer-fort-mcnair-stormwater-program@mail.mil</u>. The Environmental Management Division is located in Building 321 at Fort Myer, along Marshall Drive.

Appendix B – Transformer Inventory

Location	Trans- former No.	ID Tag	Serial No.	Manufacturer	Oil Capacity (Gal.)	Size (kVA)	PCB Content
AC Pit (between Buildings 251 and 410)	TV-RF	C1018-AC46	18-AC46 DF10023164 Atlantic Power 157		157	1000	None
AC Pit (between Buildings 251 and 410)	TV-RF	TV-RF C1018- AC36 81309691846 ERMCO		-	1000	<50 ppm	
Building 12 (Henderson Hall)	-	C1017-EK73	3466684614	Howard Industries	184	500	<50 ppm
Building 203	NTV-28	-	G-73522-1	Hevi-Duty	195	225	<50 ppm
Building 203	NTV-28	C1018-BH42	2286141512	Howard Industries	-	500	<1 ppm
Building 205	-	C1018-BH16	GF09295211	Atlantic Power System	270	750	None
Building 214	TV-1A	C1018-AG37	71109234656	ERMCO	-	750	<50 ppm
Building 216	NTV-12	C1C18-AG50	CP0750018190	-	-	300	<50 ppm
Building 219	NTV-11	C1018-AG38	A0808784833	ERMCO	208	750	7.4 ppm
Building 241	NTV-18	C1018-AF01	CP0750018187	Cooper	241	300	<50 ppm
Building 241	NTV-18	C1018-AF02	-	Cooper	241	750	<50 ppm
Building 241	-	C1018-AF00	11JC35085001 4	-	-	1000	<1 ppm
Building 242	-	C1018-AF55	-	ABB	-	300	<50 ppm
Building 248	NTV-17	C1018-XE62	A1109301611	ERMCO	208	750	<50 ppm
Building 25 (Henderson Hall)	-	C1017-FL63	-	-	-	-	<50 ppm
Building 251	NTV-16	C1018-AD32	3435413702	Howard Industries	-	500	<50 ppm
Building 26 (Henderson Hall)	-	C1017-FJ67	1480499090015	-	250	1500	<1 ppm
Building 270/273	-	C1018-Bl21	GF09295212	Atlantic Power System	250	75	None
Building 28 (Henderson Hall)	-	C1017-FL26	-	-	250	-	<50 ppm
Building 280	-	C1018-AI11	CP1650000338	Cooper	-	-	<50 ppm
Building 280	-	C1018-AI12	CP1650000114	Cooper	-	-	<50 ppm
Building 280	-	C1018-AI22	CP1650000271	Cooper	-	-	<50 ppm
Building 280	-	C1018-AI20	CP165000270	Cooper	-	-	<50 ppm
Building 280	-	C1018-AI10	CP165000140	Cooper	-	-	<50 ppm
Building 280	-	C1018-AI42	CP165000167	Cooper	-	-	<50 ppm

Table B.1 – Transformers at JBM-HH Evaluated for PCB TMDL Action Plan

Location	Trans- former No.	ID Tag	Serial No.	Manufacturer	Oil Capacity (Gal.)	Size (kVA)	PCB Content
Building 280	-	C1018-AI33	CP165000115	Cooper	-	-	<50 ppm
Building 280	-	C1018-AI23	CP165000361	Cooper	-	-	<50 ppm
Building 280	-	C1018-AI34	CP165000362	Cooper	-	-	<50 ppm
Building 280	-	C1018-AI53	CP165000168	Cooper	-	-	<50 ppm
Building 280	-	C1018-AI44	CP165000517	Cooper	-	-	<50 ppm
Building 280	-	C1018-AI40	CP165000471	Cooper	-	-	<50 ppm
Building 29 (Henderson Hall)	-	C1017-GL40) 14JC49909001 _		-	1500	<1 ppm
Building 301	NTV-26	C1018-HS01	AB 00J986281	-	-	500	<50 ppm
Building 307	-	C1018-EI00	-	-	-	-	<50 ppm
Building 313	TV-8	C1018-EI35	DF09263160	Atlantic Power System	295	750	None
Building 316	NTV-24	C1018-El27	75H292205	Westinghouse	-	300	5 ppm
Building 325	-	C1018-EH89	GF09295214	Atlantic Power System	230	150	None
Building 330	-	C1018-EH44	-			-	<50 ppm
Building 330	-	C1018-EH44	1018-EH44 -		-	-	<50 ppm
Building 400	TV-11	C1018-BD56	C1018-BD56 RHK-0597		385	1500	<1 ppm
Building 404	TV-3B	C1018-B230	DF10013162	Standard	166	750	None
Building 404	TV-3A	C1018-B220	3313672107	Howard Industries	302	300	<50 ppm
Building 405	TV-405	C1018-BC76	PGB-0160	Alstom	130	300	<50 ppm
Building 407	TV-9	C1018-BB83	RBC6453	Standard	285	750	2 ppm
Building 407	TV-7	C1018-BB46	CP095009535	Cooper	300	-	<50 ppm
Building 410	TV-410	C1018-AB58	DF09123159	Atlantic Power System	165	225	None
Building 411	TV-411	C1018-BC80	DF0410010	Sunbelt Transformers	179	300	None
Building 414	-	C1018-AA57	PAD-0422	GEC Alsthom	250	500	None
Building 415	-	C1017-B001	6140987291	ERMCO	-	750	<50 ppm
Building 416	TV-416	C1018-AB44	75L099019	Westinghouse	-	500	10 ppm
Building 421	-	C1018-AC92	6100951402	ERMCO	-	750	<50 ppm
Building 425	NTV-8	C1018-BB11	21309590566	ERMCO	195	300	<50 ppm
Building 430 (SE corner near pool)	-	C1018-BB32	L-707760	General Electric	74	75	5 ppm
Building 447	NTV-14	C1017-BO91	51409856650	ERMCO	168	300	5 ppm
Building 450	TV-10	C1017-CN25	946001823	Cooper	330	750	None
Building 451	TV-451	C1017-CO27	POH-0399	Standard	147	75	<50 ppm
Building 452	TV-452	C1017-CP10	830208-1	Balleau	106	112.5	5 ppm

Location	Trans- former No.	ID Tag	Serial No.	Manufacturer	Oil Capacity (Gal.)	Size (kVA)	PCB Content
Building 469 (former CDC)	NTV-9	C1018-BA53	G-73520	Hevi-Duty	162	112.5	-
Building 47	NTV-27	C1018-BH89	1018-BH89 21209347861		208	750	<50 ppm
Building 480	TV-480	C1017-D038	41009034820	ERMCO	208	300	<50 ppm
Building 482	TV-30A	C1017-CP70	-	-	-	225	<50 ppm
Building 483	-	C1017-EM24	4707923907	Sunbelt Transformers	-	-	<50 ppm
Building 523	-	C1017-EK29	10JC32850000 9	-	-	1500	<1 ppm
Building 525	TV-6	C1017-EL50	4829634107	4829634107 Howard - Industries -		750	<50 ppm
Building 59	NTV-20	C1018-BE28 2589593314		Howard Industries	67	1500	<50 ppm
Hatfield Gate VCP	TV-5	C1017-CN72	V-290019	Sunbelt Transformers	301	750	<50 ppm
Parking lot E of Building 405	TV-30	C1018-CC27	CP0750018189	Cooper	-	300	<50 ppm
Quarters 11	NTV-22	C1018-CG71	1534660903	Howard Industries	195	300	<50 ppm
Quarters 15	NTV-21	C1018-BF88	AB11JC329320 019	-	-	300	<1 ppm
Quarters 19&21	NTV-19	C1018-CE09	-	ERMCO	-	300	<50 ppm
Quarters 23	NTV-29	C1018-BF08	AB085016040	ERMCO	208	300	<50 ppm
Quarters 7&8	NTV-23	C1018-CG70	2738532702	Howard Industries	-	-	<50 ppm
Wright Gate VCP	NTV-25	C0108-GI20	G-10735-2	Hevi-Duty	164	150	10 ppm

Location	Trans- former No.	ID Tag	Serial No.	Manufacturer	Oil Capacity (Gal.)	Size (kVA)	PCB Content
AC Pit (between Buildings 251 and 410)	TV-RF	-	44261	Square D	240	1000	>50%
Ball Field	-	-	MB1-2895	Standard	72	100	5 ppm
Ball Field	-	-	MB1-2896	Standard	72	100	<2 ppm
Building 203	NTV-28	C1018-BH42	86J0664265	Westinghouse	-	500	<1 ppm
Building 214	TV-1	-	8437177	Esco	378	700	1,000,000 ppm
Building 216	NTV-12	-	G-10694-2	Hevi-Duty	195	225	65 ppm
Building 219	NTV-11	C1018-AG37	7022552	Westinghouse	208	750	7.4 ppm
Building 219	NTV-11	-	7022552	Westinghouse	-	-	-
Building 241	NTV-18	-	G-73523-2	Hevi-Duty	211	300	5 ppm
Building 241	NTV-18	-	959001611	Cooper	241	500	None
Building 241	NTV-18	-	72L35001	Westinghouse	-	500	5 ppm
Building 248	NTV-17	C1018-XE62	G-10695-2	Hevi-Duty	211	300	25 ppm
Building 25 (Henderson Hall)	- C1017-FL62		-	-	-		
Building 251	NTV-16	-	G-10694-8	Hevi-Duty	195	225	55 ppm
Building 280	-	C1018-AI52/ CO1018- AI3200	-	-	-	-	-
Building 301	NTV-26	-	G-73523-1	Hevi-Duty	211	300	45 ppm
Building 301	NTV- 25A/26	-	G-73529	Hevi-Duty	221	300	330 ppm
Building 301	NTV-26A	C0108- HJ10/11	2.089E+09	Square D	-	300	None
Building 301	NTV-26	-	70V5102	Vantran	-	37.5	10 ppm
Building 301	NTV-26	-	C-4549904	McGraw-Ed.	-	37.5	10 ppm
Building 301	NTV-26	-	C-622210	McGraw-Ed.	-	37.5	5 ppm
Building 313	-	-	70V2138	Vantran	-	167	>50%
Building 313	-	-	70V2136	Vantran	-	167	>50%
Building 313	-	-	70V2137	Vantran	-	167	>50%
Building 323	-	-	-	-	-	-	-
Building 325 (N parking lot)	-			255	300	-	
Building 402	TV-2	-	F-958965	General Electric	74	300	>50%
Building 402	TV-2	-	F-958966	General Electric	99	500	>50%
Building 402	TV-2	-	DF10013161	Atlantic Power System	204	500	None

Table B.2 – Former Transformers (Decommissioned)

Location	Trans- former No.	ID Tag	Serial No.	Manufacturer	Oil Capacity (Gal.)	Size (kVA)	PCB Content
Building 403	TV-4	-	177348	Standard	125	300	>50%
Building 403	TV-4	-	DF10033163	Atlantic Power System	196	750	None
Building 403	TV-4	-	177302	Standard	216	750	>50%
Building 404	TV-3C	-	176251	Standard	109	300	>50%
Building 404	TV-3B	C1018-BD31	DF10013162	Atlantic Power System	166	300	None
Building 404	TV-3A	C1018-BD21	PMF-0705	Standard	302	750	<2 ppm
Building 404	TV-3C	C1018-BD10	-	-	-	-	-
Building 405	TV-8	-	181691	Standard	140	300	-
Building 406	TV-7	-	F-963883	General Electric	90	300	>50%
Building 406	TV-7	-	F-963884	General Electric	160	750	>50%
Building 406	TV-7	-	DF10033165	Atlantic Power System	301	750	None
Building 410	-	- 20346-AO1		ITE	100	225	>50%
Building 414	-	C1018-AA32	-	-	-	-	-
Building 415	-	C1017-AO94	-	-	-	300	-
Building 423 (former Commissary)	NTV-15	-	G-72356	Hevi-Duty	195	750	75 ppm
Building 447	NTV-14	-	G-10695-3	Hevi-Duty	211	300	7,210 ppm
Building 448	NTV-10	-	G-10735-1	Hevi-Duty	164	150	<2 ppm
Building 448	NTV-10	-	G-73530	Hevi-Duty	273	500	>50%
Building 450	TV-10	C1017-CN25	796007456	Square D	465	750	-
Building 468	NTV-13	C1017-BO11	G-106095-1	Hevi-Duty	211	300	35 ppm
Building 469 (former CDC)	NTV-9B	-	81JK574032	Westinghouse	-	300	<2 ppm
Building 469 (former CDC)	NTV-9A	-	-	-	-	-	135 ppm
Building 47	NTV-27A	C1018-CH19	G-73521	Hevi-Duty	164	150	26 ppm
Building 47	NTV-27B	C1018-CH18	G-73523-1	Hevi-Duty	211	300	None
Building 47	NTV-27C	C1018-CH20	-	-	-	-	-
Building 480	TV-480	C1017-D038	F-49142	Delta-Star	195	225	10 ppm
Building 480	TV-480A	C1017-D037	-	-	-	-	-
Building 483	-	C1017-FM13	-	-	-	-	-
Building 501	NTV-8	-	G-10694-7	Hevi-Duty	195	225	30 ppm
Building 525	TV-6	-	8639526	ESCO	374	750	<2 ppm
Building 525	TV-6	C1017-EL39	-	-	-	-	-
Building 59	NTV-20	C1018-BE36	830414	Square D	239	500	<2 ppm

Location	Trans- former No.	ID Tag Serial No. Manufa		Manufacturer	Oil Capacity (Gal.)	Size (kVA)	PCB Content
Building 59	NTV-20	-	G-73528	Hevi-Duty	273	500	80 ppm
Building 406	TV-7	-	F-963884	General Electric	160	750	>50%
Field	NTV-15	15 - G-73526 Hevi-Duty		346	750	<0.65 ppm	
Hatfield Gate VCP	TV-5	C1018-CN63	V-290019	Delta-Star	301	750	-
Parking lot E of Building 405	TV-30	-	-	-	-	37.5	-
Quarters 11	NTV-22	C1018-CG71	G-10694-4	Hevi-Duty	195	225	45 ppm
Quarters 15	NTV-21	C1018-BF99	-	Hevi-Duty	-	225	90 ppm
Quarters 19&21	NTV-19	C1018-CE08	G-10694-6	Hevi-Duty	195	225	35 ppm
Quarters 23	NTV-29	C1018-BF08	G-10694-1	Hevi-Duty	195	300	60 ppm
Quarters 7&8	NTV-23	-	G-10694-3	Hevi-Duty	195	225	660ppm
Street Light	-	-	8639525	ESCO	-	37.5	10 ppm
Street Light	-	-	RBE-7144	Standard	-	25	<2 ppm
Wright Gate VCP	NTV-25	C0108-GI19	-	-	-	-	-

Appendix C – Historic Site Analysis

Location	Trans- former Number	ID Tag	Description	Evaluation
Building 214 (Historic)	uilding 214 (Historic) TV-1 -		An inspection performed in 1988 noted leaks at this transformer location. The transformer was removed in 2000.	This transformer was replaced. No signs of leaks were observed during the 2016 inspection.
Building 216 (Historic) NTV-12 -		-	An inspection performed in 1988 noted leaks at this transformer location, though any contamination of soil could not be visibly determined at that time.	This transformer was replaced. No signs of leaks were observed during the 2016 inspection.
Building 219 (Historic)	NTV-11	C1018- AG37	Oil staining on the transformer case and pad and old saturated absorbent was observed during the 2009 inspection.	This transformer was replaced. No signs of leaks were observed during the 2016 inspection.
Building 248 (Historic)	NTV-17	C1018- XE62	An inspection performed in 1988 noted leaks from this transformer.	This transformer was removed.
Building 251 (Historic)	NTV-16	-	An inspection performed in 1988 noted leaks from this transformer.	This transformer was removed and replaced with a new transformer. No signs of leaks were detected from this transformer during the 2016 inspection.
Building 270/273	-	C1018- BI21	1996 inventory lists this transformer at Building 270 Dog Kennels. Replacement transformer.	The inspection revealed some corrosion, organic material staining, and possible leakage. This site is included in the sampling analysis plan.
Building 3	-	-	In 1990, a PCB transformer at leaked a small quantity of transformer oil.	The leak was contained inside the building and remediated. The building was eventually demolished.
Building 301 (Historic)	NTV- 25/26	-	The transformer was leaking at the time of an inspection in 1988 and reportedly had been leaking for five years. The soil in the area had been contaminated.	Site plans dated 1990 for testing and decontaminated were available but closure documentation could not be located. This transformer was removed and replaced with a new transformer. No signs of leaks were detected from this transformer during the 2016 inspection.
Building 313 (Historic)	-	-	An inspection performed in 1988 noted leaks from two of the three transformers in the storage rooms. The surrounding area was not found to be contaminated.	The leaks were contained inside the building and remediated in 1990. These transformers appear to have been removed and only one transformer is located at this building. No signs of recent leaks were observed on this transformer

Location	Trans- former Number	ID Tag	Description	Evaluation
				at the time of the 2016 inspection.
Building 316 (Current)	NTV-24	C1018- EI27	An inspection performed in 2009 noted oil staining on the transformer pad.	The concrete pad appeared to be replaced and no signs of leaking were observed during the 2016 inspection.
Building 323 (Historic)	-	-	In 1990, a transformer leaked a small quantity of transformer oil and contaminated the soil down to approximately 6 inches.	The soil was reportedly removed. Site investigation and inspection revealed that this building was demolished and the transformer was removed.
Building 330 (Current)	-	C1018- EH44	An inspection performed in 2009 noted possible oil staining on the transformer pad and corrosion at the base of the transformer.	No signs of leaks were observed during the 2016 inspection.
Building 330 (Current)	-	C1018- EH45	An inspection performed in 2009 noted possible oil staining on the transformer pad.	No signs of leaks were observed during the 2016 inspection.
Building 403 (Historic)	TV-4	-	A remediation contract was completed as of March 1993, but sample results afterwards showed that additional remediation was required and the transformer would have to be cleaned.	This transformer was removed and Building 406 was demolished.
Building 404 (Historic)	TV-3	-	An inspection performed in 1988 noted leaks from this transformer, which extended to the soil area. The area remained contaminated until 1998, when the PCB- contaminated soil was excavated.	Lab results from 8 soil samples indicated that the PCB concentration levels were below remediation goal levels. No signs of leaks were observed from the transformers at this location during the 2016 inspection.
Building 406 (Historic)	TV-7	-	A remediation contract was completed as of March 1993, but sample results afterwards showed that additional remediation was required and the transformer would have to be cleaned.	This transformer was removed and Building 406 was demolished in 2009.
Building 410	-	-	A remediation contract was completed as of March 1993, but sample results afterwards showed	The remediation in this building could not be confirmed, but the building has since been demolished.

Location	Trans- former Number	ID Tag	Description	Evaluation
			that additional remediation was required and the transformer would have to be cleaned. Wipe samples indicated some elevated levels of PCBs and an area was designated for remediation.	
Building 411 (Current)	TV-411	C1018- BC80	Potential oil staining around the pipe leading from case to baffles and minor rust/corrosion was noted at this transformer 2009.	No signs of leaks were observed during the 2016 inspection.
Building 423 (Historic)	NTV-15	-	At the time of an inspection in 1988, a leak was detected and absorbents were in use. The transformer had been leaking since 1979 and the entire area was contaminated.	PCB remediation was completed as of March 1993. Sample results indicated that no additional remediation was required. The transformer has been removed and the building was demolished.
Building 447 (Historic)	NTV-14	-	An inspection performed in 1988 noted leaks from this transformer.	This transformer has been removed.
Building 447 (Current)	NTV-14	C1017- BO91	Any possible signs of leaking were unable to be seen due to heavily oxidized paint and leaves/organic debris covering pad and surrounding ground during a 2009 inspection.	No signs of leaks were observed during the 2016 inspection.
Building 448	NTV-10	-	In 1996, wipe samples taken from the transformer vault indicated PCB concentrations exceeding the cleanup standard of 10 μ g/cm ³ .	In 1998, the concrete pad was double washed and rinsed. Results from two wipe samples taken after the cleaning were below the cleanup standard. Additionally, the building has been demolished.
Building 450	TV-10	C1017- CN25	In 1990, the PCB transformer leaked a small amount of transformer oil onto asphalt.	The asphalt was double washed and the transformer was replaced.
Building 468 (Historic)	NTV-13	C1017- BO11	An inspection performed in 1988 noted leaks from this transformer. Potential oil staining on the transformer case (possibly paint oxidation) was also noted in a 2009 inspection.	This transformer has been removed.

Location	Trans- former Number	ID Tag	Description	Evaluation
Building 469 (former CDC)	NTV-9	-	In 1995, there was a PCB spill of approximately 5 gallons at the former CDC.	The transformer pad and transformer were cleaned and decontaminated within a few weeks of the spill. The final soil samples indicated the levels were below the regulatory limits.
Building 47 (Historic)	NTV- 27A	C1018- CH19	A leak was detected during a 1988 inspection.	Inspection notes state that the leak never contaminated the soil and that the unit was retrofilled with non- PCB fluid. This transformer was replaced by NTV-27. No signs of leaks were observed during the 2016 inspection.
Building 480 (Historic)	TV-480	C1017- D038	A leak was detected during a 1988 inspection. Possible oil staining on the outside of the case near the base of the transformer was observed during a 2009 inspection.	This transformer was replaced. No signs of leaks were observed during the 2016 inspection.
Field (Historic)	NTV-15	-	During an inspection in 1995, the transformer was disconnected and there was visible staining on the pad and the ground.	Wipe samples detected no PCBs in the area.
Quarters 11 (Historic)	NTV-22	C1018- CG71	Oil staining was observed on the north side of the transformer case and on the north side of the transformer pad during a 2009 inspection. Old saturated absorbent pads were also observed underneath the case during the inspection.	This transformer was replaced. No signs of leaks were observed during the 2016 inspection.
Quarters 19&21 (Historic)	NTV-19	C1018- CE08	Oil staining on the transformer case and old absorbent material was observed around the exterior pipes during the 2009 inspection.	This transformer was replaced. There were no signs of leaks at the time of the 2016 inspection.
Quarters 23 (Historic)	NTV-29	C1018- BF08	Possible oil staining was observed during a 2009 inspection.	This transformer was replaced. There were no signs of leaks at the time of the 2016 inspection.
Wright Gate VCP (Historic)	NTV-25	C0108- GI19	A leak was detected during a 1988 inspection. Possible oil staining was observed on the west side of the transformer pad during a 2009 inspection.	This transformer was removed. The transformer now located at NTV-25 looked new and there were no signs of leaks at the time of the 2016 inspection.

Location	Trans- former Number	ID Tag	Description	Evaluation
AC Pit (grassy area between Buildings 251 and 410	TV-RF	-	Samples were collected from the AC Pit in 1993. Results indicated the presence of PCB contamination. Samples collected in 1996 confirmed that PCB contamination remained in the area.	In 1998, the concrete pad was double washed and rinsed. Two wipe samples were collected; lab results were below the remediation goal levels.
Area surrounding Child Development Center (CDC)	-	-	In the mid-1980s, approximately 200 cubic feet of PCB-contaminated soil was excavated from the site. Contamination was estimated to cover four acres. Samples were previously collected from the area where the current CDC building, grassy areas to the north and northeast, and current parking area to the east.	Most soil samples collected had concentrations below the USEPA PCB cleanup levels for non- restricted access areas (10 ppm). The maximum concentration in soil at the former north burn pit, currently a courtyard area on the north side of the CDC, was 34 ppm. The former playground area (to the northeast of the CDC) was remediated in 1984-1985, with 200 cubic feet of PCB-contaminated soil was excavated, taken offsite for disposal, and replaced with clean fill. This area is included in the sampling analysis plan.

Appendix D – Long Branch Detention Basin Drainage Area Inspection Form

Long Branch Detention Basin Drainage Area **Facility Inspection Sheet**

Inspector(s): _____

Weather Conditions:

Date (MM/DD/YYYY): _____ Time (24hr):_____

Inspect exterior areas of all facilities in the Long Branch Detention Basin drainage area. Be sure to include all facility parking areas in your inspection and to inspect all storm drains and inlets for signs of sedimentation. Take photos of any observed conditions.

	Note the presence of the following (Y/N):					
Facility/Area	Bare Soil	Erosion	Staining	Evidence of Spills or Leaks	Evidence of Other Sources of Sediment	<u>Comments or Other Observations</u> Provide a description of 1) the condition observed and 2) the general location relative to each facility
Cody Child Development Center (Building 483)						
Rader Clinic (Building 525)						
Fort Myer Commissary (Building 523)						
Commissary Parking Lot and Surrounding Turf Areas						
Long Branch Detention Basin						

Action(s) Taken:

Appendix E – The Pentagram PCB Article

Killer Thermostats: Countering the Internet of Terrorism (IoT)

Co-Authored by Col. Patrick M. Duggan Commander, Joint Base Myer-Hender son Hall

Should you be scared of your new thermostat? Maybe, if it is WIFI-enabled and you haven't secured it.

Why? The next generation of terrorism is here, and it will use your connected devices - thermostats, fridges, lights, elevators, industrial controls, cars – even toys. These smart devices represent the latest pathways for tech-savvy terrorists to wreak chaos. But before unplugging everything you own to live off the grid, take heart in the fact, at least at the national level, we still have time to prepare.

While traditional DoD counter-terrorism (CT) efforts have mainly emphasized direct action, future U.S. security measures must also adapt to harness the Internet of Things (IoT). Simply put, the IoT's inexorable growth portends new methods for destruction but also provides new mechanisms for defense.

These same IoT devices are as capable for



Col. Patrick M. Duggan

U.S. Special Operations Forces (SOF) hunting terrorists as they are to the enemies who use them. This phenomena of unconventional cyberwarfare will become increasingly critical to defending the nation and heralds the birth of a new form of CT: countering the Internet of Terrorism (IoT). The concept of "edge

computing" is breeding entirely new ecosystems – and terrorist threats. Edge computing is a critical driving force behind IoT's ever-expanding adaption to new fields of computer application. Instead of a centralized hub to process data or information, edge computing enables virtually anything with a mini-processor to use its own "smarts" to respond at the very source of the data. This capability means that end-user client devices can carry out a multitude of nefarious activities independently or as part of a more coordinated "foggy network."

According to leading reports, by 2025 a huge percentage of the devices we use regularly in our daily life will be connected; and our wearables, ingestibles, sensors, transportation systems and devices will all become a node on constantly emitting and transmitting networks. Not only will this explosion of technology drive privacy issues and self-determined freedom over our individual lives, but it can kill us as well.

Take for example, the fact that the Islamic State in Iraq and Syria (ISIS) is already employing off-the-shelf drones to drop bombs and fly kamikaze-like missions into U.S. and Iraqi SOF partners in Northern Iraq. How much longer will it take for the next "terror-byte" step, to use edge computing technology so that a terrorist can build his own swarm

of killer drones in a garage?

And making it even harder to counter, the garage can be a thousand miles away, with units operated like some sort of macabre video game.

How will Soldiers destroy a swarm of drones bomb-laden coming at them from multiple directions when they are moving on the ground? The answer is to use a defensive structure that is as flexible and adaptive as the enemy. The best protection requires leveraging our own network of miniaturized and remote systems to create a counter-swarm!

Operations Special and Cyber operations can work together effectively to provide lowcost, high effectiveness defense against a number of newly emerging terrorist threats. There are clearly big-data threats that require big-computer systems to defend against - exactly the type of capabilities developed by U.S. Cyber Command (CYBERCOM). Many threats, however, are both more tactical and more distributed. In order to defend against these dangers, it is necessary to have counter-capabilities that are also tactical and locally disseminated.

We encourage the creation of a new Special Operations Command-Cv-(SOC-CYBER). ber Similar to the Theater Special Operations Commands (TSOCs) every Geographic Combatant Commands owns, SOC-CYBER would provide the same integration, synchronization and oversight of better fused cyber-SOF missions.

Co-locating some of the nation's most talented warriors with those trained to counter emerging technical threats would help ensure America stays ahead of the coming Internet of Terror.

But still, don't forget to add a password to your thermostat.

Editor's note: Duggan's co-author is Scott S. Gartner, Director of Pennsylvania State School of International Affairs. Reprinted by permission, this article first appeared in the Huffington Post March 3, 2017.

PCBs: Cleaning up the former 'miracle chemical'

By Jen Tolbert Environmental Management Division, JBM-HH Directorate of Public Works

A substance that has low flammability, chemical stability, and excellent insulating properties and could come in the form of liquid oil or a waxy solid – this was every industrial and commercial manufacturer's dream chemical.

Because of these valuable properties, polychlorinated biphenyls (PCBs) were used in a wide variety of products signed to handle hazardous waste, burning of PCB waste in incinerators and leaks from PCB-containing transformers have all been causes of PCB releases to the environment.

States in the Chesapeake Bay area are working to reduce PCB contamination in the Bay by establishing new regulations and requirements to prevent PCBs from entering waterways.

In 2007, Virginia, Maryland, and the District of Columbia, developed Total Maximum Daily Loads (TMDLs) for



the installation or retrofitted with mineral oil to prevent adverse environmental and human health impacts should a transformer leak oil.

Fluorescent light ballasts are another historical source of PCBs on base. After the manufacture of PCB-containing light ballasts was banned by EPA in 1979, existing PCB-containing fixtures on the installation were gradually replaced. If old fluorescent light ballasts are discovered, they are replaced.

The PCB ballasts, which contain onlv a verv small amount of PCBs, are properly managed and disposed. In fact, all hazardous waste is effectively managed on base to protect people and the environment and ensure harmful substances, including PCBs, are properly contained and disposed. To report conditions that could cause stormwater pollution or to get more involved with stormwater activities at JBM-HH, call the Environmental Management Division at 703-696-8055.

including transformers, capacitors, pesticides, paints, adhesives, plastics and many more.

PCBs were manufactured from 1929 until 1979, when production was banned due to negative human health and environmental impacts. While PCBs are no longer manufactured, and many PCB-containing products have been taken out of use, they can still be released into the environment from improper maintenance and disposal of older PCB products.

Poorly managed hazardous waste sites, illegal dumping, disposal of PCB-containing products at landfills not dePCBs for tidal portions of the Potomac and Anacostia Rivers. These TMDLs establish amounts of PCBs that a waterbody can receive while still meeting required water quality standards and allow states to place restrictions on facilities with the potential to discharge stormwater to the Bay.

These facilities are often required to develop PCB TMDL Action Plans to identify any potential sources of PCBs and plan how to ensure they do not pollute waterways.

Even though Fort Myer and Henderson Hall do not discharge directly to the Bay or the Potomac River, the Envi-

The Potomac River is covered under the Total Maximum Daily Load (TMDL) for polychlorinated biphenyls (PCBs).

ronmental Management Division recently developed a PCB TMDL Action Plan for Fort Myer and Henderson Hall, as a requirement for the Installation's Virginia Municipal Separate Storm Sewer System (MS4) Permit. Because Fort McNair is not located in Virginia and does not have the same requirements, it was not included in the action plan.

The purpose of the action plan is to identify potential

sources of PCBs on the base and ensure the public and environment are protected from the effects of PCBs.

COURTESY PHOTO

No significant sources of PCBs were identified at Joint Base Myer-Henderson Hall through the research conducted for this action plan. Historically, the main potential sources of PCBs on JBM-HH have been transformers. However, all pure PCB transformers have been removed from

For more information and guidance resources on PCBs, visit EPA's PCB webpage (www.epa.gov/pcbs).

PAO recognized in Army-wide competition

By Public Affairs Office Staff

We would like to take a small space (we want to keep to telling, not being the news) here to give praise to one of our own (okay, we're patting ourselves on the back).

Emily Myers, public affairs specialist, first served a developmental assignment with JBM-HH PAO in 2016; then, we were fortunate to hire her away from Aberdeen Proving Ground, Maryland, in January.

Bottom line: Annual Keith L. Ware Journalism awards were distributed in late February, and we are proud to note that Ms. Myers – our EM – is on a team of five at Aberdeen Proving Ground who won first place in Installation Management Command's Community Relations category for "Community Leader Engagements."

Myers' job on the APG team was filming social media videos and broadcasting various community augmentation events between civilian community and base leaders, enhancing partnership opportunities on and off APG: school systems, housing partners, municipal and state government partners. She did her part to explore issues that are important to military and civilian neighbors divided by a fence and helped foster relationships and share solutions. This IMCOM first place has been forwarded on to Department of Army.

She brought her talent and expertise with her from APG, and we are proud to say that Myers won an individual award in Social Media Video at JBM-HH for her video "See Something, Say Something."

Always topical, see it at https://www.facebook.com/jbmhh/videos/10154621001902074/.

Contact Myers in the Fusion Cell, Building 59, room 219, Fort Myer, emily.n.myers.civ@mail.mil or 703-696-8897.



PHOTO BY FRANCIS CHUNG Public affairs specialist Emily Myers poses outside of Joint Base Myer-Henderson Hall Headquarters March 7.

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Pentagram	The Pentagram is an auth the official views of the U Myer-Henderson Hall. The	The Pentagram is an authorized publication for members of the Department of Defense. Contents of the Pentagram are not necessarily the official views of the U.S. Government, the Department of Defense, the Department of the Army, Department of the Navy, or Joint Base Myer-Henderson Hall. The content of this publication is the responsibility of the Joint Base Myer-Henderson Hall Public Affairs Office. Pictures		Col. Patrick M. Duggan Commander Command Sgt. Maj. Carolyn Y. Donaldson Command Sergeant Major	Brent S. Wucher Editor brent.s.wucher.civ@mail.mil	Arthur Mondale Staff Writer awright@dcmilitary.com
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Appendix F – Stormwater Pollution Prevention Awareness Brochure

Report It!

You are the eyes and ears of the JBM-HH.

If you see a condition that is causing or could cause stormwater pollution, notify JBM-HH EMD using the phone numbers provided on the back of this pamphlet.

If you see a spill of oil or other hazardous material, report it by calling 911 immediately and then report it to EMD.

- Spills of oil dark staining on pavement or concrete, or a rainbow sheen on water
- Leaking vehicles
- Sediment tracked out or in runoff from construction sites
- Strong odors
- Floating debris and trash
- Algae green scum on bodies of water
- Dead vegetation
- Illegal dumping
- Anything in runoff or entering a storm drain that is not rainwater or snowmelt - unusual color, odor, cloudiness, foam/suds, etc.
- Leaks from transformers and other electric and hydraulic equipment, as these may cause PCB pollution of waterways.

For more information contact JBM-HH EMD:



Environmental Management Division

Pollution Prevention:

Mr. Tony Taylor 703-696-1222

Waste Disposal:

Mr. Mark Luckers 703-696-2012

Recycling:

Mr. Roy Croom 703-696-3791

Stormwater Program Email Address:

usarmy.jbmhh.asa.mbx.fort-myerfort-mcnair-stormwaterprogram@mail.mil

Visit the JBM-HH Stormwater Pollution Prevention Webpage for more information

https://home.army.mil/jbmhh/index. php/teamJBMHH/about/Base/ stormwater-pollution-preventionjbm-hh-1



STORMWATER POLLUTION PREVENTION AWARENESS

For Civilian and Military Employees



Prepared by: JBM-HH DPW – Environmental Management Division

JBM-HH Storm Sewer Systems

JBM-HH operates a small Municipal Separate Storm Sewer System (MS4), which is a network of inlets, gutters, curbs, and pipes intended to collect stormwater. JBM-HH's MS4 is covered under a stormwater permit.

All of JBM-HH's storm drains carry stormwater to the Anacostia and Potomac Rivers and their tributaries, which flow to the Chesapeake Bay.

Key Stormwater Pollutants

Poor water quality has been an ongoing problem in the Chesapeake Bay and its tributaries. To address the Bay's declining health, the U.S. EPA established limits for three key pollutants in the Bay – **Nitrogen**, **Phosphorus, and Sediment**.

Additionally, limits have been established for **polychlorinated biphenyls (PCBs)** in the Potomac River. Before a 1979 ban, PCBs were commonly used in transformers and other electrical equipment, caulking, insulation, pesticides, and more. Therefore, older equipment and buildings could be potential sources of PCB pollution and leaks from transformers and other electrical equipment should be reported.

JBM-HH's stormwater permit requires the installation to address potential sources of nitrogen, phosphorus, sediment, and PCBs in order to comply with the limits for the Chesapeake Bay and Potomac River.

Protecting JBM-HH's Stormwater

Because JBM-HH's storm drains collect and transport rainwater and snowmelt directly to streams and rivers, rather than to a treatment plant that removes pollutants, daily activities around the base can have a large impact on the amount of pollution entering nearby waterways. Oil, grease, detergents, trash, pet waste, and other pollutants that are leaked or deposited on the ground, intentionally or not, eventually end up in waterways.

By following the practices below, you can help protect the Chesapeake Bay and our Nation's water resources.

- Use proper waste bins Never throw trash or cigarette butts on the ground.
- Have your vehicle maintained regularly.
- Do not top off your vehicle tank when refueling.
- Use commercial car washes rather than washing your car outdoors on pavement. Commercial car washes treat and recycle the washwater, which contains oils, grease, metals, and other pollutants.
- Immediately clean up spilled materials.
- Report observed leaks from transformers and other electric and hydraulic equipment to EMD to prevent the PCB pollution of waterways.
- Observe good housekeeping practices in outdoor material storage areas; limit excess storage of materials.
- Close dumpster doors and lids to prevent rainwater from entering and mixing with pollutants.
- Ask your supervisor if any of your activities are subject to the JBM-HH Stormwater Pollution Prevention Plan.
- If you see a condition that is causing or could cause stormwater pollution, notify JBM-HH EMD using the phone numbers provided on the back of this pamphlet.
- Contact EMD if you have any hazardous materials for disposal.

Did you know?

 Cigarette butts are the number one most littered item in the U.S. and in the world. An estimated 4.5 trillion are thrown away every year, polluting the environment with toxic chemicals and litter.



- Vehicle fluids can be toxic to people, wildlife, and plants. These fluids, such as oil, do not dissolve in water and can stick to everything from sand to bird feathers. One pint of oil can make a slick larger than a football field.
- Approximately 40 gallons of gasoline are spilled at a typical gas station every year. The small drops that are spilled as you top off your tank really add up.



 Between 1 and 1.5 million metric tons of PCBs are estimated to have been produced in the world, with approximately 40% of that material still in use.

Appendix G – The Pentagram Recognizing and Reporting Pollution Concerns Article

EFMP from Page 3

Have special education needs?

"If the answer is 'yes' to any of the questions, you should make an appointment at your local Medical Treatment Facility EFMP office for family medical screening and enrollment," said Col. Scott Gregg, EFMP director for the Army Office of the Surgeon General.

"Soldiers and families who need additional assistance or want to learn

more about EFMP should contact their local Army Community Service EFMP family support systems navigator," said Sharon Swisher, EFMP manager, at Army Installation Management Command. "Family support is available to assist families before, during and after relocation with information and resources."

Soldiers and/or families can also submit their question(s) to: usarmy.pentagon.hqda-dcs-g-9.mbx.efmp@army.mil.



See something, say something prevent environmental pollution

Commentary by Jenny Tolbert JBM-HH Environmental Management Division

Spring has brought warm weather, flowers, and green trees to Joint Base Myer-Henderson Hall Outdoor activities increase as people take advantage of the warm weather. These outdoor activities along with spring and summer rains can cause an increase in water pollution as more pollutants may be present that are washed into storm drains and eventually the Potomac River and Chesapeake Bay.

Everyone can help prevent harm to these waterways by identifying and reporting potential pollution incidents. Preventing stormwater pollution means protecting the community's water supplies, wildlife and human health.

Staff members from JBM-HH Directorate of Public Works and the Environmental Management Division cannot have eyes on the entire installation to catch all potential pollution issues. The public, residents and employees at JBM-HH can help protect the health of the environment by being aware of their surroundings, understanding when something could be a pollution concern and knowing how to report it.

To help prevent pollution, the public should keep an eye out for "illicit discharges."

What are illicit discharges?

Illicit discharges are materials that enter storm drains from nonstormwater sources that are not allowed under JBM-HH's storm water permit

Common illicit discharges include wash water from vehicle and equipment washing, oil leaks from vehicles and equipment, sedimentladen water running off construction sites and trash and liquid substances from illegal dumping.

How to identify illicit discharges

Addressing pollution requires recognizing the signs and knowing when and how to report them.

What to do if you identify an illicit discharge

Don't assume someone else will report it. It is always better to have multiple people report a potential pollution problem and allow the issue to be addressed before it can cause harm.

If you see a condition that is causing or could cause storm water pollution, notify the JBM-HH Environmental Management Division by calling 703-696-1222 or emailing usarmy.jbmhh.asa.mbx.fort-myer-fortmcnair-stormwater-program@army.mil. If you see an oil spill or other hazardous material, report it by calling 911 immediately and then report it to EMD.

Additionally, if you observe a potential illicit discharge off installation property in another community, call the county's department of public works or the nonemergency police line to report it.

- in other words, discharges that are not 100% rainwater. Basically, if it did not fall from the sky, it should not go down the storm drain.

To learn more, visit https://home.army.mil/jbmhh/index.php/ teamJBMHH/about/Base/stormwater-pollution-prevention-jbm-hh-1.



Appendix H – August 2022 Monitoring Event Laboratory Results


Project Name: Ft Myer PCB Sampling PSS Project No.: 22083107

September 16, 2022

Jenny Tolbert AECOM Technology Corp. 12420 Milestone Ctr. Dr., Ste 150 Germantown, MD 20876 6630 Baltimore National Pike



Reference: PSS Project No: **22083107** Project Name: Ft Myer PCB Sampling Project Location: Ft. Myer, VA Project ID.: 60638596

Dear Jenny Tolbert:

This report includes the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Project number(s) **22083107**.

Certificate of Analysis

All work reported herein has been performed in accordance with current NELAP standards, referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on October 5, 2022, with the exception of air canisters which are cleaned immediately following analysis. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt, the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 5 years, after which time it will be disposed of without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Sincerely,

Dan Prucnal

Laboratory Manager





Project Name: Ft Myer PCB Sampling

PSS Project No.: 22083107

Project ID: 60638596

The following samples were received under chain of custody by Phase Separation Science (PSS) on 08/31/2022 at 12:00 pm

PSS Sample ID	Sample ID	Matrix	Date/Time Collected
22083107-001	Outfall 012	SURFACE WATER	08/30/22 17:10
22083107-002	Outfall DP	SURFACE WATER	08/30/22 17:15

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

Notes:

- 1. The presence of a common laboratory contaminant such as methylene chloride may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
- 2. Unless otherwise noted in the case narrative, results are reported on a dry weight basis with the exception of pH, flashpoint, moisture, and paint filter test.
- 3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].
- 4. The analyses of 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane (EDB) by EPA 524.2 and calcium, magnesium, sodium and iron by EPA 200.8 are not currently promulgated for use in testing to meet the Safe Drinking Water Act and as such cannot be used for compliance purposes. The listings of the current promulgated methods for testing in compliance with the Safe Drinking Water Act can be found in the 40 CFR part 141.1, for the primary drinking water contaminates, and part 141.3, for the secondary drinking water contaminates.
- 5. Sample prepared under EPA 3550C with concentrations greater than 20 mg/Kg should employ the microtip extraction procedure if required to meet data quality objectives.
- 6. The analysis of acrolein by EPA 624 must be analyzed within three days of sampling unless pH is adjusted to 4-5 units [40 CFR part 136.3(e)].
- 7. Method 180.1, The Determination of Turbidity by Nephelometry, recommends samples over 40 NTU be diluted until the turbidity falls below 40 units. Routine samples over 40 NTU may not be diluted as long as the data quality objectives are not affected.
- 8. Alkalinity results analyzed by EPA 310.2 that are reported by dilution are estimated and are not in compliance with method requirements.

Standard Flags/Abbreviations:

- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- C Results Pending Final Confirmation.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
- J The target analyte was positively identified below the reporting limit but greater than the MDL.
- MDL This is the Laboratory Method Detection Limit which is equivalent to the Limit of Detection (LOD). The LOD is the minimum result, which can be reliably discriminated from a blank with a predetermined confidence level. This value will remain constant across multiple similar instrumentation and among different analysts. An LOD is analyte and matrix specific. instrumentation and among different analysts. An LOD is analyte and matrix specific.
- ND Not Detected at or above the reporting limit.
- RL PSS Reporting Limit.
- U Not detected.

Certifications:

NELAP Certifications: PA 68-03330, VA 460156 State Certifications: MD 179, WV 303 Regulated Soil Permit: P330-12-00268 NSWC USCG Accepted Laboratory LDBE MWAA LD1997-0041-2015

🛟 eurofins

Environment Testing America

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC 2425 New Holland Pike Lancaster, PA 17601 Tel: (717)656-2300

Laboratory Job ID: 410-96341-1

Client Project/Site: PCB Congeners

For:

..... Links

Review your project results through

EOL

Have a Question?

Ask-

The

www.eurofinsus.com/Env

Visit us at:

Expert

Phase Separation Science, Inc 6630 Baltimore National Pike Suite 103 Baltimore, Maryland 21228

Attn: Reporting Purposes

Debra Bryan

Authorized for release by: 9/15/2022 2:58:01 PM

Debra Bryan, Project Management Assistant I (717)656-2300 Debra.Bryan@et.eurofinsus.com

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory. Page 3 of 37 Version 1.000 Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

• QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.

• Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.

Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Debra Bryan

Debra Bryan Project Management Assistant I 9/15/2022 2:58:01 PM

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Definitions/Glossary

Client: Phase Separation Science, Inc Project/Site: PCB Congeners

Qualifiers

Dioxin	
Qualifier	Qualifier Description
В	Compound was found in the blank and sample.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Qualifiers		3
Dioxin		
Qualifier	Qualifier Description	
В	Compound was found in the blank and sample.	
I	Value is EMPC (estimated maximum possible concentration).	5
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
Glossarv		6
Abbreviation	These commonly used abbreviations may or may not be present in this report	
<u>n</u>	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
10	Result is from the primary column on a dual-column method	8
20	Result is from the confirmation column on a dual-column method	
CFL	Contains Free Liquid	9
CEU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DFR	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DI	Detection Limit (DoD/DOF)	
DI RA RE IN	Indicates a Dilution Re-analysis Re-extraction or additional Initial metals/anion analysis of the sample	
DI C	Decision Level Concentration (Radiochemistry)	
FDI	Estimated Detection Limit (Dioxin)	12
	Limit of Detection (DoD/DOE)	
100	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Badiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDI	Method Detection Limit	
MI	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	- Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

Job ID: 410-96341-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-96341-1

Receipt

The samples were received on 8/31/2022 6:39 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C

Hi-Res PCBs

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: Phase Separation Science, Inc Project/Site: PCB Congeners

Client Sample ID: 22083107-001 Outfall 012

			Job ID: 410-96341-1	
La	ab	Sampl	e ID: 410-96341-1	
ac	D	Method	Prep Type	
1	_	1668A	Total/NA	
1		1668A	Total/NA	
1		1668A	Total/NA	5
1		1668A	Total/NA	
1		1668A	Total/NA	
1		1668A	Total/NA	
1		1668A	Total/NA	
1		1668A	Total/NA	
1		1668A	Total/NA	8
1		1668A	Total/NA	0
1		1668A	Total/NA	0
1		1668A	Total/NA	
1		1668A	Total/NA	
1		1668A	Total/NA	
1		1668A	Total/NA	
1		1668A	Total/NA	
1		1668A	Total/NA	
1		1668A	Total/NA	
1		1668A	Total/NA	
1		1668A	Total/NA	13
1		1668A	Total/NA	
1		1668A	Total/NA	
1		16694	Total/NIA	

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	Method	Prep Type
PCB-11	190	JI	300	110	pg/L	1	1668A	Total/NA
PCB-31	16	J	39	14	pg/L	1	1668A	Total/NA
PCB-37	11	J	39	7.9	pg/L	1	1668A	Total/NA
PCB-44/47/65	25	J	240	24	pg/L	1	1668A	Total/NA
PCB-52	26	J	79	12	pg/L	1	1668A	Total/NA
PCB-61/70/74/76	52	J	310	30	pg/L	1	1668A	Total/NA
PCB-64	11	JI	79	9.8	pg/L	1	1668A	Total/NA
PCB-66	22	J	79	11	pg/L	1	1668A	Total/NA
PCB-82	15	JI	79	13	pg/L	1	1668A	Total/NA
PCB-90/101/113	90	J	240	39	pg/L	1	1668A	Total/NA
PCB-92	15	J	79	12	pg/L	1	1668A	Total/NA
PCB-95	57	JB	79	12	pg/L	1	1668A	Total/NA
PCB-99	42	JB	79	12	pg/L	1	1668A	Total/NA
PCB-105	54	JB	79	11	pg/L	1	1668A	Total/NA
PCB-106	69	JIB	79	19	pg/L	1	1668A	Total/NA
PCB-110/115	120	JB	160	26	pg/L	1	1668A	Total/NA
PCB-118	120	В	79	17	pg/L	1	1668A	Total/NA
PCB-122	91	IB	79	12	pg/L	1	1668A	Total/NA
PCB-128/166	24	JI	160	18	pg/L	1	1668A	Total/NA
PCB-129/138/163	150	JB	240	29	pg/L	1	1668A	Total/NA
PCB-132	41	J	79	11	pg/L	1	1668A	Total/NA
PCB-141	21	JI	79	5.9	pg/L	1	1668A	Total/NA
PCB-146	18	J	79	9.8	pg/L	1	1668A	Total/NA
PCB-147/149	70	J	160	20	pg/L	1	1668A	Total/NA
PCB-153/168	100	JB	160	18	pg/L	1	1668A	Total/NA
PCB-158	19	J	79	11	pg/L	1	1668A	Total/NA
PCB-164	9.0	J	79	6.9	pg/L	1	1668A	Total/NA
PCB-167	11	J	79	11	pg/L	1	1668A	Total/NA
PCB-170	24	J	79	11	pg/L	1	1668A	Total/NA
PCB-174	20	J	79	11	pg/L	1	1668A	Total/NA
PCB-177	13	J	79	8.9	pg/L	1	1668A	Total/NA
PCB-180/193	54	J	160	19	pg/L	1	1668A	Total/NA
PCB-187	28	J	79	11	pg/L	1	1668A	Total/NA
PCB-194	15	J	120	12	pg/L	1	1668A	Total/NA

Client Sample ID: 22083107-002 Outfall DP

Lab Sample ID: 410-96341-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-11	210	J	310	110	pg/L	1	_	1668A	Total/NA
PCB-31	16	J	41	14	pg/L	1		1668A	Total/NA
PCB-37	12	JI	41	8.3	pg/L	1		1668A	Total/NA
PCB-44/47/65	62	JI	250	25	pg/L	1		1668A	Total/NA
PCB-45	25	JI	83	19	pg/L	1		1668A	Total/NA
PCB-49/69	19	JI	170	19	pg/L	1		1668A	Total/NA
PCB-52	34	JI	83	12	pg/L	1		1668A	Total/NA
PCB-56	28	J	83	14	pg/L	1		1668A	Total/NA
PCB-58	11	JI	83	11	pg/L	1		1668A	Total/NA
PCB-60	18	JI	83	9.3	pg/L	1		1668A	Total/NA
PCB-61/70/74/76	150	J	330	31	pg/L	1		1668A	Total/NA
PCB-64	21	J	83	10	pg/L	1		1668A	Total/NA
PCB-66	44	J	83	11	pg/L	1		1668A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 22083107-002 Outfall DP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	Method	Prep Type
PCB-77	58	JI	83	20	pg/L	1	1668A	Total/NA
PCB-82	68	J	83	13	pg/L	1	1668A	Total/NA
PCB-83	23	JI	83	16	pg/L	1	1668A	Total/NA
PCB-84	73	J	83	26	pg/L	1	1668A	Total/NA
PCB-85/116/117	70	J	250	35	pg/L	1	1668A	Total/NA
PCB-90/101/113	400		250	41	pg/L	1	1668A	Total/NA
PCB-91	29	J	83	16	pg/L	1	1668A	Total/NA
PCB-92	54	J	83	12	pg/L	1	1668A	Total/NA
PCB-95	170	В	83	12	pg/L	1	1668A	Total/NA
PCB-99	130	В	83	12	pg/L	1	1668A	Total/NA
PCB-105	350	В	83	11	pg/L	1	1668A	Total/NA
PCB-107	50	J	83	14	pg/L	1	1668A	Total/NA
PCB-108/124	36	J	170	27	pg/L	1	1668A	Total/NA
PCB-110/115	680	В	170	27	pg/L	1	1668A	Total/NA
PCB-114	20	J	83	19	pg/L	1	1668A	Total/NA
PCB-118	700	В	83	18	pg/L	1	1668A	Total/NA
PCB-122	12	JB	83	12	pg/L	1	1668A	Total/NA
PCB-128/166	200		170	19	pg/L	1	1668A	Total/NA
PCB-129/138/163	1100	В	250	30	pa/L	1	1668A	Total/NA
PCB-130	79	J	83	11	pa/L	1	1668A	Total/NA
PCB-131	13	J	83	12	pa/L	1	1668A	Total/NA
PCB-132	320	-	83	11	pa/L	1	1668A	Total/NA
PCB-134	44	J	83	18	pa/L	1	1668A	Total/NA
PCB-135/151	120		170	33	pa/l		1668A	Total/NA
PCB-136	.20	J	83	16	pg/L	1	1668A	Total/NA
PCB-137	74	.]	83	12	pa/L	1	1668A	Total/NA
PCB-141	140		83	6.2	pa/L		1668A	Total/NA
PCB-146	100		83	10	pa/L	1	1668A	Total/NA
PCB-153/168	640	В	170	19	pa/l	1	1668A	Total/NA
PCB-156/157	210		170	30	pg/l		1668A	Total/NA
PCB-158	120		83	11	pa/L	1	1668A	Total/NA
PCB-164	73	J	83	72	pa/l	1	1668A	Total/NA
PCB-167	65	J	83	11	pg/L	· · · · · · · · · · · · · · · · · · ·	1668A	Total/NA
PCB-170	130		83	11	pa/l	1	1668A	Total/NA
PCB-171/173	39	J	170	17	pa/L	1	1668A	Total/NA
PCB-172	23		83	93	pa/l		1668A	Total/NA
PCB-174	88	C C	83	11	pg/L	1	1668A	Total/NA
PCB-176	10	J	83	6.2	pg/L	1	1668A	Total/NA
PCB-177	51		83	93	pa/l		1668A	Total/NA
PCB-179	23	J	83	9.3	pg/L	1	1668A	Total/NA
PCB-180/193	210	C C	170	20	pg/L	1	1668A	Total/NA
PCB-187	75		83		pg/l		1668A	Total/NA
PCB-190	23	J	83	17	pa/l	1	1668A	Total/NA
PCB-194	20	- .l	120	12	pa/l	1	16684	Total/NA
PCB-196	17		120	11	ry,⊢ pa/l	· · · · · · · · · · · · · · · · · · ·	16684	Total/NA
PCB-108/100	17	J I	250	10	ry,⊢ pa/l	1	16684	Total/NA
PCB-203	30	1	120	19	P9/⊏ pa/l	1	16684	
1 00-200	20	0	120	13	P9/ L	1	10007	iotal/INA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

9/15/2022

RL

200

200

MDL Unit

18 pg/L

16 pg/L

D

Prepared

09/14/22 09:32

09/14/22 09:32

Analyte

PCB-1

PCB-2

Client Sample ID: 22083107-001 Outfall 012 Date Collected: 08/30/22 17:10 Date Received: 08/31/22 18:39

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Result Qualifier

ND

ND

Lab Sample ID: 410-96341-1 Matrix: Water

Analyzed

09/15/22 09:25

09/15/22 09:25

6

Dil Fac

1

1

PCB-3	ND	200	11	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-4	ND	44	22	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-5	ND	44	20	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-6	ND	39	18	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-7	ND	39	16	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-8	ND	39	16	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-9	ND	39	17	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-10	ND	44	22	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-11	190 JI	300	110	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-12/13	ND	79	33	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-14	ND	44	20	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-15	ND	44	20	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-16	ND	39	14	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-17	ND	39	11	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-18/30	ND	79	24	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-19	ND	39	11	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-20/28	ND	79	28	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-21/33	ND	79	29	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-22	ND	39	14	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-23	ND	39	15	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-24	ND	39	17	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-25	ND	39	13	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-26/29	ND	79	35	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-27	ND	39	11	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-31	16 J	39	14	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-32	ND	39	7.9	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-34	ND	39	17	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-35	ND	39	19	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-36	ND	39	14	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-37	11 J	39	7.9	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-38	ND	39	17	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-39	ND	39	18	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-40/71	ND	160	16	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-41	ND	79	11	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-42	ND	79	12	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-43	ND	79	11	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-44/47/65	25 J	240	24	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-45	ND	79	18	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-46	ND	79	11	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-48	ND	79	8.9	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-49/69	ND	160	18	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-50/53	ND	300	90	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-51	ND	79	13	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-52	26 J	79	12	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-54	ND	79	18	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-55	ND	79	11	pg/L	09/14/22 09:32	09/15/22 09:25	1
PCB-56	ND	79	14	pg/L	09/14/22 09:32	09/15/22 09:25	1

Lab Sample ID: 410-96341-1 Matrix: Water

Method: 1668A - Chlorina	ated Biphenyl Congene	ers (HRGC	/HRMS) (Continue	ed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	ND		79	12	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-58	ND		79	11	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-59/62/75	ND		240	25	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-60	ND		79	8.9	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-61/70/74/76	52	J	310	30	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-63	ND		79	13	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-64	11	JI	79	9.8	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-66	22	J	79	11	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-67	ND		79	11	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-68	ND		79	9.8	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-72	ND		79	8.9	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-73	ND		79	11	pa/L		09/14/22 09:32	09/15/22 09:25	1
PCB-77	ND		79	19	pa/L		09/14/22 09:32	09/15/22 09:25	1
PCB-78	ND		79	15	pa/L		09/14/22 09:32	09/15/22 09:25	1
PCB-79	ND		79	9.8	pa/L		09/14/22 09:32	09/15/22 09:25	
PCB-80	ND		79	9.8	pg/=		09/14/22 09:32	09/15/22 09:25	1
PCB-81	ND		79	9.8	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-82	15		79	13	pg/L		09/14/22 09:32	09/15/22 09:25	
PCB-83			70	15	pg/L		09/14/22 00:32	09/15/22 00:25	1
PCB-84			79	25	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-85/116/117			240	23	pg/L		09/14/22 09:32	09/15/22 09:25	
PCB 86/87/07/100/110/125			470	150	pg/L		09/14/22 09:32	09/15/22 09:25	1
DCB 88			470	130	pg/L		09/14/22 09:32	09/15/22 09:25	1
			79	17	pg/L		00/14/22 09:32	09/15/22 09:25	
			79	20	pg/L		09/14/22 09.32	09/15/22 09.25	1
PCB-90/101/113	90	J	240	39	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-91			79	15	pg/L		09/14/22 09:32	09/15/22 09:25	· · · · · · · · · · · · · · · · · · ·
PCB-92	15	J	19	12	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-93/100	ND		160	25	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-94	ND	· · <u>· · ·</u> · · · · · · ·	79	13	pg/L		09/14/22 09:32	09/15/22 09:25	
PCB-95	57	JB	79	12	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-96	ND		79	18	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-98/102	ND	<u></u>	200	29	pg/L		09/14/22 09:32	09/15/22 09:25	
PCB-99	42	JB	79	12	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-103	ND		79	11	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-104	ND		/9	1/	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-105	54	JB	79	11	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-106	69	JIB	79	19	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-107	ND		79	14	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-108/124	ND		160	26	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-110/115	120	JB	160	26	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-111	ND		79	13	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-112	ND		79	16	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-114	ND		79	18	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-118	120	В	79	17	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-120	ND		79	14	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-121	ND		79	12	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-122	91	IB	79	12	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-123	ND		79	22	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-126	ND		79	29	pg/L		09/14/22 09:32	09/15/22 09:25	1

Eurofins Lancaster Laboratories Environment Testing, LLC

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Lab Sample ID: 410-96341-1 Matrix: Water

ix: Water

5

6

Method: 1668A - Chlorinated	Biphenyl Congen	ers (HRGC/H	RMS) (Continu	ed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-127	ND		79	6.9	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-128/166	24	JI	160	18	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-129/138/163	150	JB	240	29	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-130	ND		79	11	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-131	ND		79	12	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-132	41	J	79	11	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-133	ND		79	9.8	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-134	ND		79	17	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-135/151	ND		160	31	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-136	ND		79	15	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-137	ND		79	12	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-139/140	ND		160	19	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-141	21	JI	79	5.9	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-142	ND		79	8.9	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-143	ND		79	11	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-144	ND		79	21	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-145	ND		79	23	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-146	18	J	79	9.8	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-147/149	70	J	160	20	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-148	ND		79	16	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-150	ND		79	19	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-152	ND		79	14	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-153/168	100	JB	160	18	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-154	ND		200	44	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-155	ND		79	20	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-156/157	ND		160	29	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-158	19	J	79	11	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-159	ND		79	14	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-160	ND		79	12	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-161	ND		79	9.8	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-162	ND		79	8.9	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-164	9.0	J	79	6.9	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-165	ND		79	9.8	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-167	11	J	79	11	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-169	ND		79	18	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-170	24	J	79	11	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-171/173	ND		160	16	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-172	ND		79	8.9	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-174	20	J	79	11	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-175	ND		79	12	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-176	ND		79	5.9	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-177	13	J	79	8.9	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-178	ND		79	15	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-179	ND		79	8.9	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-180/193	54	J	160	19	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-181	ND		79	7.9	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-182	ND		79	11	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-183/185	ND		160	22	pg/L		09/14/22 09:32	09/15/22 09:25	1
PCB-184	ND		79	14	pg/L		09/14/22 09:32	09/15/22 09:25	1

Lab Sample ID: 410-96341-1 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-186	ND		79	11	pg/L		09/14/22 09:32	09/15/22 09:25	1
CB-187	28	J	79	11	pg/L		09/14/22 09:32	09/15/22 09:25	1
CB-188	ND		200	46	pg/L		09/14/22 09:32	09/15/22 09:25	1
CB-189	ND		79	15	pg/L		09/14/22 09:32	09/15/22 09:25	1
CB-190	ND		79	16	pg/L		09/14/22 09:32	09/15/22 09:25	1
CB-191	ND		79	9.8	pg/L		09/14/22 09:32	09/15/22 09:25	1
CB-192	ND		79	8.9	pg/L		09/14/22 09:32	09/15/22 09:25	1
CB-194	15	J	120	12	pg/L		09/14/22 09:32	09/15/22 09:25	1
CB-195	ND		120	14	pa/L		09/14/22 09:32	09/15/22 09:25	1
CB-196	ND		120	11	pa/L		09/14/22 09:32	09/15/22 09:25	1
CB-197/200	ND		240	14	pa/l		09/14/22 09:32	09/15/22 09:25	1
CB-198/199	ND		240	18	pg/L		09/14/22 09:32	09/15/22 09:25	1
CB-201	ND		390	48	ng/l		09/14/22 09:32	09/15/22 00:25	· · · · · · · · · · 1
CB-201			120	90- 8 0	pg/∟ ng/l		09/14/22 09:32	09/15/22 09:25	1
CB 202			120	13	pg/∟ pg/l		09/14/22 09:32	09/15/22 09:25	1
CP 204			120	10	pg/∟		00/14/22 09:32	00/15/22 09:25	
	ND		120	9.0	pg/∟ ng/l		09/14/22 09.32	09/15/22 09.25	1
CB-200	ND		120	0.9	pg/∟ ng/l		09/14/22 09.32	09/15/22 09.25	1
	ND		120	0.9	pg/∟ ″		09/14/22 09.32	09/15/22 09.25	· · · · · · · · ·
CB-207	ND		120	9.8	pg/L		09/14/22 09:32	09/15/22 09:25	1
	ND		120	54	pg/L		09/14/22 09:32	09/15/22 09:25	1
CB Decachlorobiphenyl	ND		980	240	pg/L		09/14/22 09:32	09/15/22 09:25	1
otope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
CB-1L	40		15 _ 150				09/14/22 09:32	09/15/22 09:25	1
CB-3L	42		15 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-4L	37		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-8L	40		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-15L	43		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-19L	40		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-31L	47		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-32L	46		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-37L	62		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-47L	55		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-54L	44		25 _ 150				09/14/22 09:32	09/15/22 09:25	1
CB-60L	65		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-70L	66		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-77L	72		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-81/	70		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-85/	53		25 150				09/14/22 09:32	09/15/22 09:25	
CB-95/	50		25 150				09/14/22 00:02	09/15/22 00:25	1
CB-104I	59 17		25 - 150				09/14/22 09.32	09/15/22 09.25	1
25,07L	47 		25 150				00/14/22 00.02	00/15/22 00.25	
	71		20 - 100				09/14/22 09.32	09/10/22 09.25	1
	71		25 - 150				00/14/22 09.32	09/10/22 09.20	1
0D-110L	/1		25 - 150				09/14/22 09:32	09/15/22 09:25	
0B-123L	69		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-126L	67		25 - 150				09/14/22 09:32	09/15/22 09:25	1
)B-127L	68		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-155L	59		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB-156L/157L	74		25 - 150				09/14/22 09:32	09/15/22 09:25	1
CB 1671	72		25 150				00/11/22 00.32	00/15/22 00.25	1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-169L	72		25 - 150	09/14/22 09:32	09/15/22 09:25	1
PCB-180L	96		25 - 150	09/14/22 09:32	09/15/22 09:25	1
PCB-188L	69		25 - 150	09/14/22 09:32	09/15/22 09:25	1
PCB-189L	75		25 - 150	09/14/22 09:32	09/15/22 09:25	1
PCB-202L	67		25 - 150	09/14/22 09:32	09/15/22 09:25	1
PCB-205L	77		25 - 150	09/14/22 09:32	09/15/22 09:25	1
PCB-206L	73		25 - 150	09/14/22 09:32	09/15/22 09:25	1
PCB-208L	71		25 - 150	09/14/22 09:32	09/15/22 09:25	1
PCB-209L	70		25 - 150	09/14/22 09:32	09/15/22 09:25	1
PCB-128L	71		25 - 150	09/14/22 09:32	09/15/22 09:25	1
PCB-133L	70		25 - 150	09/14/22 09:32	09/15/22 09:25	1
PCB-141L	90		25 - 150	09/14/22 09:32	09/15/22 09:25	1
PCB-162L	87		25 - 150	09/14/22 09:32	09/15/22 09:25	1

Client Sample ID: 22083107-002 Outfall DP

Date Collected: 08/30/22 17:15

Date Received: 08/31/22 18:39

Method: 1668A - Chlorinate	d Biphenyl Congen	ers (HRGC/HI	RMS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		210	19	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-2	ND		210	17	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-3	ND		210	11	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-4	ND		47	23	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-5	ND		47	21	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-6	ND		41	19	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-7	ND		41	17	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-8	ND		41	17	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-9	ND		41	18	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-10	ND		47	23	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-11	210	J	310	110	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-12/13	ND		83	35	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-14	ND		47	21	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-15	ND		47	21	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-16	ND		41	14	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-17	ND		41	11	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-18/30	ND		83	25	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-19	ND		41	11	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-20/28	ND		83	29	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-21/33	ND		83	30	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-22	ND		41	14	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-23	ND		41	16	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-24	ND		41	18	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-25	ND		41	13	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-26/29	ND		83	37	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-27	ND		41	11	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-31	16	J	41	14	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-32	ND		41	8.3	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-34	ND		41	18	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-35	ND		41	20	pg/L		09/14/22 09:32	09/15/22 00:57	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Sample ID: 410-96341-1 Matrix: Water

Lab Sample ID: 410-96341-2 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-36	ND		41	14	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-37	12	JI	41	8.3	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-38	ND		41	18	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-39	ND		41	19	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-40/71	ND		170	17	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-41	ND		83	11	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-42	ND		83	12	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-43	ND		83	11	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-44/47/65	62	ы	250	25	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-45	25	JI	83	19	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-46	ND	•••	83	11	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-48	ND		83	9.3	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-49/69			170	19	pg/l		09/14/22 09:32	09/15/22 00:57	
PCB-50/53		•••	310	94	pg/l		09/14/22 09:32	09/15/22 00:57	1
PCB-51			83	13	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-52	24		83	.0	pa/L		09/14/22 09:32	09/15/22 00:57	· · · · · · · · · · · · · · · · · · ·
PCB-54		51	83	19	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-55	ND		83	11	pg/l		09/14/22 09:32	09/15/22 00:57	1
PCB-56	28		83	14	pg/L		09/14/22 09:32	09/15/22 00:57	
PCB-57		•	83	12	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCR 58	11		83	11	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-59/62/75	ND		250	26	pg/L		09/14/22 09:32	09/15/22 00:57	
PCB-60	18		83	03	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB 61/70/74/76	150		330	31	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-63	ND		83	13	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCR 64	21		83	10	pg/L		09/14/22 09:32	09/15/22 00:57	1
	21	5	83	10	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-67			83	11	pg/L		00/14/22 00:02	09/15/22 00:57	
PCB-68			83	10	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-72			83	03	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-73			83	11	pg/L		00/14/22 00:02	09/15/22 00:57	
PCP 77	59		83	20	pg/L		09/14/22 09:32	09/15/22 00:57	1
	50 ND	51	83	16	pg/L		09/14/22 09:32	09/15/22 00:57	1
			00 83	10	pg/L		09/14/22 09:32	09/15/22 00:57	
PCB-80			83	10	pg/L		09/14/22 09:32	09/15/22 00:57	1
			00	10	pg/L		09/14/22 09:32	09/15/22 00:57	1
			00 00	10	pg/L		09/14/22 09:32	09/15/22 00:57	1
	68	J	00	10	pg/L		09/14/22 09.32	09/15/22 00.57	1
PCB-83	23	31	ం	10	pg/L		09/14/22 09:32	09/15/22 00.57	1
	73		250	20	pg/L		09/14/22 09:32	09/15/22 00:57	1
	70	J	200	160	pg/L		09/14/22 09.32	09/15/22 00.57	1
PCB-00/07/97/109/119/125	ND		500	100	pg/L		09/14/22 09:32	09/15/22 00.57	1
			00 00	10	pg/L		00/14/22 09:32	00/15/22 00.37	ן ג
	ND		83 050	10	pg/∟		09/14/22 09:32	09/15/22 00:57	1
PCB-90/101/113	400		250	41	pg/L		09/14/22 09:32	09/15/22 00:57	1
PGB-91	29		<u>გ</u> ვე	10	pg/∟		09/14/22 09:32	09/15/22 00:57	
PCB-92	54	J	83	12	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-93/100	ND		170	26	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-94	ND		83	13	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-95	170	В	83	12	pg/L		09/14/22 09:32	09/15/22 00:57	1

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Lab Sample ID: 410-96341-2 Matrix: Water

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Lab Sample ID: 410-96341-2 Matrix: Water

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Analyze Descutt Qualifier FL MOL Unit D Periody Only22 00 ST PCR-864 ND 200 30 pgL 001/422 0032 001/522 00 ST 1 PCR-864 ND 200 30 pgL 001/422 0032 001/522 00 ST 1 PCR-103 ND 63 11 pgL 001/422 0032 001/522 00 ST 1 PCR-104 ND 63 11 pgL 001/422 0032 001/522 00 ST 1 PCR-104 ND 63 20 pgL 001/422 0032 001/522 00 ST 1 PCR-101 50 J 33 20 pgL 001/522 00 ST 1 PCR-101 50 J 33 13 pgL 001/522 00 ST 1 PCR-101 ND 63 17 PgL 001/422 0032 001/522 00 ST 1 PCR-110 ND 63 14 pgL 001/422 0032 001/522 00 ST 1 </th <th>Method: 1668A - Chlorinated I</th> <th>Biphenyl Congene</th> <th>ers (HRGC/H</th> <th>IRMS) (Continu</th> <th>ed)</th> <th></th> <th></th> <th></th> <th></th> <th></th>	Method: 1668A - Chlorinated I	Biphenyl Congene	ers (HRGC/H	IRMS) (Continu	ed)					
PCR-80 ND 65 19 pgL 00H422 0032 00H322 0057 1 PCR-90 130 B 83 12 pgL 00H422 0032 00H322 0057 1 PCR-90 130 B 83 12 pgL 00H422 0032 00H522 0057 1 PCR-164 ND 63 11 pgL 00H422 0032 00H522 0057 1 PCR-164 ND 63 11 pgL 00H422 0032 00H522 0057 1 PCR-166 ND 63 20 pgL 00H422 0032 00H522 0057 1 PCR-160 ND 63 31 12 pgL 00H422 0032 00H522 0057 1 PCR-111 ND 83 13 pgL 00H422 0032 00H522 0057 1 PCR-111 ND 83 14 pgL 00H422 0032 0H522 0057 1 PCR-111 ND 83 14 pgL 00H422 0032 0H522 0057 <th>Analyte</th> <th>Result</th> <th>Qualifier</th> <th>RL</th> <th>MDL</th> <th>Unit</th> <th>D</th> <th>Prepared</th> <th>Analyzed</th> <th>Dil Fac</th>	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-490702 ND 210 30. pgL 00/14/22 082 00/16/22 0057 1 PCB-193 ND 83 11. pgL 00/14/22 082 00/15/22 0057 1 PCB-193 ND 83 11. pgL 00/14/22 082 00/15/22 0057 1 PCB-105 350 B 83 11. pgL 00/14/22 082 00/15/22 0057 1 PCB-106 ND 83 20. pgL 00/14/22 082 00/15/22 0057 1 PCB-1011 S0 J 83 170 27. pgL 00/15/22 0057 1 PCB-111 ND 63 170 27. pgL 00/15/22 0057 1 PCB-112 ND 63 18. pgL 00/15/22 0057 1 PCB-112 ND 63 12. pgL 00/15/22 0057 1 PCB-121 ND 63 12. pgL 00/15/22 0057 1 PCB-132 ND	PCB-96	ND		83	19	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-90 130 B B3 12 pgL 001422 0052 001422 0052 001422 0052 001422 0052 001522 0057 1 PCB-106 ND B3 B1 pgL 001422 0052 001522 0057 1 PCB-106 ND B3 B2 001422 0052 001522 0057 1 PCB-106 ND B3 20 pgL 001422 0052 001522 0057 1 PCB-106 ND B3 170 27 pgL 001422 0052 001522 0057 1 PCB-10115 E60 B 170 27 pgL 001422 0052 00152 0057 1 PCB-114 ND B3 17 pgL 001422 0052 00152 0057 1 PCB-112 ND B3 17 pgL 001422 0052 00152 0057 1 PCB-121 ND B3 29 001422 0052 00152 0057 1 PCB-123 ND B3 29 001422 0052	PCB-98/102	ND		210	30	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-106 ND B3 11 pgL 001422 0032 001522 0057 1 PCB-106 ND B3 B4 D2 001422 0032 001522 0057 1 PCB-107 S0 J B3 14 pgL 001422 0032 001522 0057 1 PCB-107 S0 J B3 14 pgL 001422 0032 001522 0057 1 PCB-1011 S0 J B3 14 pgL 001422 0032 001522 0057 1 PCB-1101 ND B3 17 pgL 001422 0032 001522 0057 1 PCB-111 ND B3 17 pgL 001422 0032 001522 0057 1 PCB-114 20 J B3 14 pgL 001422 0032 001522 0057 1 PCB-114 20 B3 14 pgL 001422 0032 001522 0057 1 PCB-121 ND B3 12 pgL 001422 0032 001522 0057 1 PCB-121 ND B3 32 pgL 001422 0032 001522 0057 1 PCB-121 ND B3 32 pgL 001422 0032 001522 0057 1	PCB-99	130	В	83	12	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-104 ND B3 B ppL 0014/22 0032 0015/22 0057 1 PCB-106 ND A3 01 pgL 0014/22 0032 0015/22 0057 1 PCB-106 ND A3 41 pgL 0014/22 0032 0015/22 0057 1 PCB-106/174 36 J 170 27 pgL 0014/22 0032 0015/22 0057 1 PCB-106/174 ND A3 170 PgL 0014/22 0032 0015/22 0057 1 PCB-111 ND A3 17 pgL 0014/22 0032 0015/22 0057 1 PCB-112 ND A3 17 pgL 0014/22 0032 0015/22 0057 1 PCB-120 ND A3 12 pgL 0014/22 0032 0015/22 0057 1 PCB-120 ND A3 12 pgL 0014/22 0032 0015/22 0057 1 PCB-120 ND A3 12 pgL 0014/22 0032 0015/22 0057 1	PCB-103	ND		83	11	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-106 SD B3 11 pqL 0914 091422 0932 091522 0057 1 PCB-107 50 J A3 14 pqL 091422 0932 091522 0057 1 PCB-10174 35 J 170 27 pgL 091422 0932 091522 0057 1 PCB-10115 660 B 170 27 pgL 091422 0932 091522 057 1 PCB-1101 ND 63 17 pgL 091422 0932 091522 057 1 PCB-114 20 J 63 19 pgL 091422 0932 091522 057 1 PCB-113 ND 63 14 pgL 091422 0932 091522 057 1 PCB-120 ND 63 29 091422 0932 091522 057 1 PCB-121 ND 63 29 091422 0932 091522 057 1 PCB-120 ND 63 29 091422 0932 091522 057 1 <td>PCB-104</td> <td>ND</td> <td></td> <td>83</td> <td>18</td> <td>pg/L</td> <td></td> <td>09/14/22 09:32</td> <td>09/15/22 00:57</td> <td>1</td>	PCB-104	ND		83	18	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-106 ND B3 20 PpL 0014/22 03.2 0011622 05.7 1 PCB-101714 36 170 27 ppL 0014/22 03.2 0011622 05.7 1 PCB-101715 660 B 170 27 ppL 0014/22 03.2 001522 05.7 1 PCB-111 ND B3 170 27 ppL 0014/22 03.2 001522 05.7 1 PCB-112 ND B3 17 ppL 0014/22 03.2 001522 05.7 1 PCB-112 ND B3 18 pJL 0014/22 03.2 001522 05.7 1 PCB-120 ND B3 18 pJL 0014/22 03.2 001522 05.7 1 PCB-121 ND B3 28 pJL 0014/22 03.2 001522 05.7 1 PCB-121 ND B3 29 0014/22 03.2 001522 05.7 1 PCB-121 ND B3 29 0014/22 03.2 001522 05.7 1 <	PCB-105	350	В	83	11	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-107 S0 J R3 14 PQL 0914/22 0032 0915/22 0057 1 PCB-108124 36 J 70 27 PgL 0014/22 0032 0015/22 0057 1 PCB-111 ND R3 15 PgL 0014/22 0032 0015/22 0057 1 PCB-112 ND R3 15 PgL 0014/22 0032 0015/22 0057 1 PCB-113 ND R3 15 PgL 0014/22 0032 0015/22 0057 1 PCB-120 ND R3 14 PgL 0014/22 0032 0015/22 0057 1 PCB-121 ND R3 12 PgL 0014/22 0032 0015/22 0057 1 PCB-123 ND R3 22 PgL 0014/22 0032 0015/22 0057 1 PCB-123 ND R3 72 PgL 0014/22 0032 0015/22 0057 1 PCB-124 ND R3 72 PgL 0014/22 0032 0015/22 0057 1 PCB-133 ND R3 73 R3 73<	PCB-106	ND		83	20	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-100'142 35 J 170 27 pGL 001/422 03.2 001/1622 06.57 1 PCB-111 ND 83 170 27 pgL 001/422 03.2 001/1522 00.57 1 PCB-112 ND 83 17 pgL 001/422 03.2 001/522 00.57 1 PCB-114 20 J 83 15 pgL 001/422 03.2 001/522 00.57 1 PCB-114 20 J 83 15 pgL 001/422 03.2 001/522 00.57 1 PCB-121 ND 63 12 pgL 001/422 03.2 001/522 00.57 1 PCB-121 ND 63 12 pgL 001/422 03.2 001/522 00.57 1 PCB-123 ND 63 30 pgL 001/422 03.2 001/522 00.57 1 PCB-124 ND 63 37 2pgL 001/422 03.2 001/522 00.57 1 PCB-124 ND 63 12 pgL <td>PCB-107</td> <td>50</td> <td>J</td> <td>83</td> <td>14</td> <td>pg/L</td> <td></td> <td>09/14/22 09:32</td> <td>09/15/22 00:57</td> <td>1</td>	PCB-107	50	J	83	14	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-110/115 E00 B 170 27 PpL 09/14/22 09/32 09/15/22 00/57 1 PCB-112 ND 83 17 PpL 09/14/22 09/32 09/15/22 00/57 1 PCB-114 20 J 83 17 PpL 09/14/22 09/32 09/15/22 00/57 1 PCB-116 700 B 83 14 PpL 09/14/22 09/32 09/15/22 00/57 1 PCB-120 ND 83 12 PpL 09/14/22 09/32 09/15/22 00/57 1 PCB-121 ND 83 12 PpL 09/14/22 09/32 09/15/22 00/57 1 PCB-123 ND 83 12 PpL 09/14/22 09/32 09/15/22 00/57 1 PCB-124 ND 83 72 PpL 09/14/22 09/32 09/15/22 00/57 1 PCB-130 79 J 83 11 PpL 09/14/22 09/32 09/15/22 00/57 1 PCB-132 30 D1 B9/	PCB-108/124	36	J	170	27	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-111 ND 83 13 ppL 001/422 0032 001/522 0057 1 PCB-112 ND 83 17 ppL 004/422 0932 001/522 0057 1 PCB-114 20 J 83 18 ppL 004/422 0932 001/522 0057 1 PCB-120 ND 83 12 ppL 004/422 0932 001/522 0057 1 PCB-121 ND 83 12 ppL 004/422 0932 001/522 0057 1 PCB-122 12 JB 83 12 ppL 004/422 0932 001/522 0057 1 PCB-121 ND 83 30 ppL 004/422 0932 001/522 0057 1 PCB-124 AD 83 30 ppL 004/422 0932 001/522 0057 1 PCB-130 ND 83 30 ppL 004/422 0932 001/522 0057 1 PCB-130 100 B 250 31 19 004/422 0932 001/522 0057 1 PCB-131 13 J 83 12 <td>PCB-110/115</td> <td>680</td> <td>в</td> <td>170</td> <td>27</td> <td>pg/L</td> <td></td> <td>09/14/22 09:32</td> <td>09/15/22 00:57</td> <td>1</td>	PCB-110/115	680	в	170	27	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-112 ND 83 17 pg/L 001/422 0032 001/922 0057 1 PCB-114 20 J 83 19 pg/L 001/422 0032 001/522 0057 1 PCB-113 700 B 83 14 pg/L 001/422 0032 001/522 0057 1 PCB-120 ND 83 12 pg/L 001/422 0032 001/522 0057 1 PCB-121 ND 83 12 pg/L 001/422 0032 001/522 0057 1 PCB-123 ND 83 72 pg/L 091/422 0032 001/522 0057 1 PCB-123 ND 83 72 pg/L 091/422 0032 001/522 0057 1 PCB-133 ND 83 11 pg/L 091/422 0032 001/522 0057 1 PCB-134 13 83 11 pg/L 091/422 0032 001/522 0057 1 PCB-133 ND 83 11 pg/L 091/422 0032 00	PCB-111	ND		83	13	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-114 20 J 83 19 pgL 09/14/22 09:2 09/14/22 09:2 09/14/22 09:2 09/15/22 00:57 1 PCB-120 ND 83 14 pgL 09/14/22 09:2 09/15/22 00:57 1 PCB-120 ND 83 12 pgL 09/14/22 09:2 09/15/22 00:57 1 PCB-123 ND 83 12 pgL 09/14/22 09:2 09/15/22 00:57 1 PCB-126 ND 83 7.0 9/14/22 09:2 09/15/22 00:57 1 PCB-126 ND 83 7.0 83 7.0 09/14/22 09:2 09/15/2 00:57 1 PCB-126/166 ND 83 7.0 83 10 pgL 09/14/22 09:2 09/15/2 00:57 1 PCB-130 79 J 83 12 pgL 09/14/22 09:2 09/15/2 00:57 1 PCB-134 13 J 83 14 pgL 09/14/22 09:2 09/15/2 00:57 1	PCB-112	ND		83	17	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-118 700 B 83 18 pgL 09/14/22 09.32 09/14/22 09.32 09/14/22 09.32 09/15/22 00.57 1 PCB-121 ND 83 12 pgL 09/14/22 09.32 09/15/22 00.57 1 PCB-122 12 JB 83 12 pgL 09/14/22 09.32 09/15/22 00.57 1 PCB-123 ND 83 30 pgL 09/14/22 09.32 09/15/22 00.57 1 PCB-126 ND 83 7.2 pgL 09/14/22 09.32 09/15/22 00.57 1 PCB-130 79 J 83 11 pgL 09/14/22 09.32 09/15/22 00.57 1 PCB-130 79 J 83 11 pgL 09/14/22 09.32 09/15/22 00.57 1 PCB-131 13 J 83 11 pgL 09/14/22 09.32 09/15/22 00.57 1 PCB-133 ND 83 11 pgL 09/14/22 09.32 09/15/22 00.57 1	PCB-114	20	J	83	19	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-120 ND 83 14 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-121 ND 83 12 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-123 ND 83 23 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-126 ND 83 30 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-127 ND 83 7.2 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-128/166 200 170 19 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-130 70 J 83 11 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-131 13 J 83 12 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-132 300 Bg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-131 13 J 83 16 pg/L 09/14/22 0	PCB-118	700	в	83	18	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-121 ND 83 12 pgL 09/14/22 09.32 09/15/22 00.57 1 PCB-122 12 JB 83 22 pgL 09/14/22 09.32 09/15/22 00.57 1 PCB-123 ND 83 23 pgL 09/14/22 09.32 09/15/22 00.57 1 PCB-126 ND 83 72 pgL 09/14/22 09.32 09/15/22 00.57 1 PCB-128/166 200 T0 19 pgL 09/14/22 09.32 09/15/22 00.57 1 PCB-139/138/163 110 B 250 30 pgL 09/14/22 09.32 09/15/22 00.57 1 PCB-131 13 3 83 11 pgL 09/14/22 09.32 09/15/22 00.57 1 PCB-131 13 3 63 11 pgL 09/14/22 09.32 09/15/22 00.57 1 PCB-132 30 13 0 31 19 09/1 09/14/22 09.32 09/15/22 00.57 1 PCB-133	PCB-120	ND		83	14	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-122 12 J B 83 12 pg/L 09/14/22 09-32 09/15/22 00-57 1 PCB-123 ND 83 32 pg/L 09/14/22 09-32 09/15/22 00-57 1 PCB-126 ND 83 7.2 pg/L 09/14/22 09-32 09/15/22 00-57 1 PCB-128/166 200 170 19 pg/L 09/14/22 09-32 09/15/22 00-57 1 PCB-129/156 200 79 J 83 11 pg/L 09/14/22 09-32 09/15/22 00-57 1 PCB-131 13 J 83 12 pg/L 09/14/22 09-32 09/15/22 00-57 1 PCB-133 13 J 83 10 pg/L 09/14/22 09-32 09/15/22 00-57 1 PCB-133 ND 83 10 pg/L 09/14/22 09-32 09/15/22 00-57 1 PCB-134 44 J 83 16 pg/L 09/14/22 09-32 09/15/22 00-57 1 PCB-134	PCB-121	ND		83	12	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-123 ND 83 23 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-126 ND 83 30 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-127 ND 83 7.2 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-128/156 200 170 19 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-128/156 200 79 J 83 11 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-131 13 J 83 11 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-133 ND 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-133 ND 83 16 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-133 ND 83 16 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-135 120 J 170 33 pg/L 09/14/22 09:32 09/15/22 00:57 1 PC	PCB-122	12	JB	83	12	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-126 ND 83 30 pg/L 09/14/22 09:32 09/14/22 09:32 09/14/22 09:32 09/14/22 09:32 09/14/22 09:32 09/14/22 09:32 09/14/22 09:32 09/14/22 09:32 09/14/22 09:32 09/14/22 09:32 09/14/22 09:32 09/14/22 09:32 09/15/22 00:57 1 PCB-1301 79 J 83 11 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-1301 13 J 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-132 320 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-133 ND 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-135/151 120 J 170 32 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-139/140 ND 83 16 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-139/140 ND 83 62 pg/L 09/14/22 09:32	PCB-123	ND		83	23	pg/L		09/14/22 09:32	09/15/22 00:57	
PCB-127 ND 83 7.2 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-128/166 200 170 19 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-130/163 1100 B 250 30 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-131 13 J 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-131 13 J 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-133 ND 83 19 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-134 44 J 83 18 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-136 37 J 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-134 44 J 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-143	PCB-126	ND		83	30	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-128/166 200 170 19 pr/L 09/14/22 09:32 09/15/22 00:57 1 PCB-129/138/163 1100 B 250 30 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-130 79 J 83 11 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-131 13 J 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-133 ND 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-134 44 J 83 18 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-136 37 J 83 16 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-137 74 J 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-143 ND 74 J 83 9.3 pg/L 09/14/22 09:32 09/15/22 00:57 1	PCB-127	ND		83	7.2	pa/L		09/14/22 09:32	09/15/22 00:57	1
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PCB-130 TP J 83 11 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-131 13 J 83 12 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-132 320 83 11 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-133 ND 83 10 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-134 44 J 83 18 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-136 37 J 83 12 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-137 74 J 83 12 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-139/140 ND ND 83 9.3 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-143 ND 83 9.3 pg/L 09/14/22 09.32 09/15/22 00.57 1 PCB-144 140	PCB-129/138/163	1100	в	250	30	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-131 13 J 83 12 pg/L 09/14/22 09/15/22 00.577 1 PCB-132 320 83 11 pg/L 09/14/22 09/15/22 09/15/22 00.577 1 PCB-133 ND 83 10 pg/L 09/14/22 09/15/22 09/15/22 00.577 1 PCB-133 ND 83 16 pg/L 09/14/22 09/15/22 00.577 1 PCB-136 37 J 83 16 pg/L 09/14/22 09/15/22 00.577 1 PCB-136 37 J 83 12 pg/L 09/14/22 09/15/22 00.577 1 PCB-137 74 J 83 12 pg/L 09/14/22 09/15/22 00.577 1 PCB-143 ND 83 9.3 pg/L 09/14/22 09/15/22 00.577 1 PCB-144 140 83 9.3 pg/L 09/14/22	PCB-130	79		83	11	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-132 320 83 11 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-133 ND 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-134 44 J 83 18 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-136 37 J 83 16 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-136 37 J 83 16 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-137 74 J 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-141 140 83 6.2 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-142 ND 83 9.3 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-143 ND 83 9.3 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-144 ND 83	PCB-131	13		83	12	pa/l		09/14/22 09:32	09/15/22 00:57	
DCB-133 ND Ga 1 pg/L 0.01/14/22 09:32 0.91/5/22 00:57 1 PCB-133 MD 83 10 pg/L 0.91/14/22 09:32 0.91/5/22 00:57 1 PCB-135/151 120 J 170 33 pg/L 0.91/14/22 09:32 0.91/15/22 00:57 1 PCB-136 37 J 83 16 pg/L 0.91/14/22 09:32 0.91/15/22 00:57 1 PCB-137 74 J 83 12 pg/L 0.91/14/22 09:32 0.91/15/22 00:57 1 PCB-141 140 83 6.2 pg/L 0.91/14/22 09:32 0.91/15/22 00:57 1 PCB-142 ND 83 9.3 pg/L 0.91/14/22 09:32 0.91/5/22 00:57 1 PCB-143 ND 83 9.3 pg/L 0.91/14/22 09:32 0.91/5/22 00:57 1 PCB-144 ND 83 24 pg/L 0.91/14/22 09:32 0.91/5/22 00:57 1 PCB-144 ND	PCB-132	320	•	83	11	pg/l		09/14/22 09:32	09/15/22 00:57	1
PCB-134 44 J 63 16 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-135/151 120 J 170 33 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-136 37 J 83 16 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-137 74 J 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-137 74 J 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-141 140 83 62 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-142 ND 83 9.3 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-143 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-144 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-145 ND	PCB-133	ND		83	10	pa/l		09/14/22 09:32	09/15/22 00:57	1
PCB-135/151 120 J 170 33 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-136 37 J 83 16 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-139/140 ND 170 20 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-139/140 ND 170 20 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-141 140 83 6.2 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-141 140 83 9.3 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-142 ND 83 9.3 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-143 ND 83 22 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-144 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-145 ND 83 17 <t< td=""><td>PCB-134</td><td>44</td><td></td><td>83</td><td>18</td><td>pg/l</td><td></td><td>09/14/22 09:32</td><td>09/15/22 00:57</td><td>· · · · · · · · · · · · · · · · · · ·</td></t<>	PCB-134	44		83	18	pg/l		09/14/22 09:32	09/15/22 00:57	· · · · · · · · · · · · · · · · · · ·
PCB-136 37 J 83 16 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-137 74 J 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-139/140 ND 170 20 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-141 140 83 6.2 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-142 ND 83 9.3 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-143 ND 83 9.3 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-143 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-144 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-145 ND 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-146 100 83 17 pg/L	PCB-135/151	120		170	33	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-137 74 J 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-139/140 ND 170 20 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-141 140 83 6.2 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-142 ND 83 9.3 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-143 ND 83 9.1 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-144 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-144 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-145 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-146 100 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-147 ND 83 17 pg/L 09/14/	PCB-136	37		83	16	pa/l		09/14/22 09:32	09/15/22 00:57	1
PCB-139/140 ND 170 20 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-141 140 83 6.2 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-142 ND 83 9.3 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-143 ND 83 9.3 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-144 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-144 ND 83 22 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-145 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-145 ND 83 17 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-147 ND 83 17 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-150 ND 83 14 pg/L 09/14/22 09:32	PCB-137	74		83	12	pg/L		09/14/22 09:32	09/15/22 00:57	
PCB-141 140 83 62 pg/L 09/14/22 03/14/22 03/15/22 00:15/2 1 PCB-148 ND 83 17 pg/L 09/14/22 09/15/22 00:57 1 1 PCB-153/168 09/14/22 00:32 09/15/22 00:57 1 PCB-153/168 640 B 170 19 <th< td=""><td>PCB-139/140</td><td>ND</td><td>•</td><td>170</td><td>20</td><td>pa/l</td><td></td><td>09/14/22 09:32</td><td>09/15/22 00:57</td><td>1</td></th<>	PCB-139/140	ND	•	170	20	pa/l		09/14/22 09:32	09/15/22 00:57	1
PCB-142 ND 83 9.3 pg/L 09/14/22 09/15/22 00:57 1 PCB-143 ND 83 11 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-144 ND 83 22 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-144 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-145 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-146 100 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-147/149 ND 170 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-148 ND 83 17 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-152 ND 83 14 pg/L	PCB-141	140		83	62	pg/l		09/14/22 09:32	09/15/22 00:57	1
PCB-143 ND 83 11 pg/L 00/14/22 09:32 09/15/22 00:57 1 PCB-144 ND 83 22 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-145 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-145 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-146 100 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-146//149 ND 170 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-147/149 ND 170 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-147/149 ND 83 17 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-150 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-152 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-154 ND 83 210	PCB-142	ND		83	93	pa/l		09/14/22 09:32	09/15/22 00:57	
PCB-144 ND 83 22 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-145 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-146 100 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-146 100 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-146 ND 170 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-148 ND 83 17 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-150 ND 83 20 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-152 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-154 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-155 ND 83 210 47 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-155 ND 83 21 </td <td>PCB-143</td> <td>ND</td> <td></td> <td>83</td> <td>11</td> <td>pg/l</td> <td></td> <td>09/14/22 09:32</td> <td>09/15/22 00:57</td> <td>1</td>	PCB-143	ND		83	11	pg/l		09/14/22 09:32	09/15/22 00:57	1
PCB-145 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-146 100 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-147/149 ND 170 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-147/149 ND 170 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-148 ND 83 17 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-150 ND 83 20 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-152 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-154 ND 83 24 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-154 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-155 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-156/157 210 170 30	PCB-144	ND		83	22	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-146 100 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-147/149 ND 170 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-148 ND 170 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-148 ND 83 17 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-150 ND 83 20 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-152 ND 83 20 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-152 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-154 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-155 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-156/157 210 170 30 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-158 120 83 11	PCB-145	ND		83	24	pa/l		09/14/22 09:32	09/15/22 00:57	
PCB-147/149 ND 170 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-148 ND 83 17 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-150 ND 83 20 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-150 ND 83 20 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-152 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-153/168 640 B 170 19 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-154 ND 210 47 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-155 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-156/157 210 170 30 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-158 120 83 11 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-159 ND 83	PCB-146	100		83	10	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-148 ND 83 17 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-150 ND 83 20 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-150 ND 83 20 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-152 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-153/168 640 B 170 19 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-154 ND 210 47 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-154 ND 210 47 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-155 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-156/157 210 170 30 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-158 120 83 11 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-160 ND 83	PCB-147/149	ND		170	21	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-150 ND 83 20 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-152 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-152 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-153/168 640 B 170 19 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-154 ND 210 47 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-155 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-156/157 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-156/157 210 170 30 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-158 120 83 11 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-159 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-160 ND 83	PCB-148	ND		83	17	pa/L		09/14/22 09:32	09/15/22 00:57	
PCB-152 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-153/168 640 B 170 19 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-154 ND 210 47 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-155 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-155 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-156/157 210 170 30 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-158 120 83 11 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-159 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-160 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-161 ND 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1	PCB-150	ND		83	20	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-153/168 640 B 170 19 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-154 ND 210 47 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-155 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-155 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-156/157 210 170 30 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-158 120 83 11 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-159 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-160 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-161 ND 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1	PCB-152	ND		83	14	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-154 ND 210 47 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-155 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-155 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-156/157 210 170 30 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-158 120 83 11 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-159 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-160 ND 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-161 ND 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1	PCB-153/168	640		170	19	pa/L		09/14/22 09:32	09/15/22 00:57	
PCB-155 ND 83 21 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-156/157 210 170 30 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-158 120 83 11 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-159 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-160 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-161 ND 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1	PCB-154	ND	-	210	47	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-156/157 210 170 30 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-158 120 83 11 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-159 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-160 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-161 ND 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1	PCB-155	ND		83	21	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-158 120 83 11 pg/L 09/14/22 09/15/22 00:57 1 PCB-159 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-160 ND 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-161 ND 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1	PCB-156/157	210		170	30	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-159 ND 83 14 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-160 ND 83 12 pg/L 09/14/22 09:32 09/15/22 00:57 1 PCB-161 ND 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1	PCB-158	120		83	11	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-160 ND 83 12 pg/L 09/14/22 09/15/22 00:57 1 PCB-161 ND 83 10 pg/L 09/14/22 09/15/22 00:57 1	PCB-159	ND		83	14	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-161 ND 83 10 pg/L 09/14/22 09:32 09/15/22 00:57 1	PCB-160	ND		83	12	pa/L		09/14/22 09:32	09/15/22 00:57	1
	PCB-161	ND		83	10	pg/L		09/14/22 09:32	09/15/22 00:57	1

PCB-32L

Client Sample ID: 22083107-002 Outfall DP Date Collected: 08/30/22 17:15 Date Received: 08/31/22 18:39

Lab Sample ID: 410-96341-2 Matrix: Water

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8	3
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Method: 1668A - Chlorinated	l Biphenyl Congen	ers (HRGC/	HRMS) (Continu	ued)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-162	ND		83	9.3	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-164	73	J	83	7.2	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-165	ND		83	10	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-167	65	J	83	11	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-169	ND		83	19	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-170	130		83	11	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-171/173	39	J	170	17	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-172	23	J	83	9.3	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-174	88		83	11	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-175	ND		83	12	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-176	10	J	83	6.2	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-177	51	J	83	9.3	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-178	ND		83	16	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-179	23	J	83	9.3	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-180/193	210		170	20	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-181	ND		83	8.3	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-182	ND		83	11	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-183/185	ND		170	23	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-184	ND		83	14	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-186	ND		83	11	pa/L		09/14/22 09:32	09/15/22 00:57	
PCB-187	75	а	83	11	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-188	ND	•	210	49	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-189	ND		83	16	pa/l		09/14/22 09:32	09/15/22 00:57	1
PCB-190	23	л	83	17	pg/l		09/14/22 09:32	09/15/22 00:57	1
PCB-191	ND	Č.	83	10	pa/L		09/14/22 09:32	09/15/22 00:57	1
PCB-192	ND		83	93	pa/l		09/14/22 09:32	09/15/22 00:57	1
PCB-194	32	л	120	12	pg/l		09/14/22 09:32	09/15/22 00:57	1
PCB-195		Č.	120	14	pg/l		09/14/22 09:32	09/15/22 00:57	1
PCB-196	17		120	11	pa/l		09/14/22 09:32	09/15/22 00:57	1
PCB-197/200		Č.	250	14	pg/l		09/14/22 09:32	09/15/22 00:57	1
PCB-198/199	36		250	19	ng/l		09/14/22 09:32	09/15/22 00:57	1
PCB-201	ND		410	51	pg/l		09/14/22 09:32	09/15/22 00:57	1
PCB-202	ND		120	9.3	pg/		09/14/22 09:32	09/15/22 00:57	1
PCB-203	20		120	13	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-204	ND	•••••••	120	10	pg/L		09/14/22 09:32	09/15/22 00:57	
PCB-205	ND		120	72	pg/L		09/14/22 00:32	09/15/22 00:57	1
PCB-206	ND		120	7.2	pg/L		09/14/22 09:32	09/15/22 00:57	1
PCB-207	ND		120	10	ng/l		09/14/22 09:32	09/15/22 00:57	
PCB(C) 208			120	57	pg/⊑ ng/l		09/14/22 09:32	09/15/22 00:57	1
DCB Decachlorobinhenvl			120	250	pg/∟ ng/l		09/14/22 09:32	09/15/22 00:57	1
Deb Decachioromphony			1000	200	P9/L		00/14/22 00:02	00/10/22 00:07	
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
PCB-1L	41		15 - 150				09/14/22 09:32	09/15/22 00:57	1
PCB-3L	40		15 - 150				09/14/22 09:32	09/15/22 00:57	1
PCB-4L	32		25 - 150				09/14/22 09:32	09/15/22 00:57	1
PCB-8L	42		25 - 150				09/14/22 09:32	09/15/22 00:57	1
PCB-15L	45		25 - 150				09/14/22 09:32	09/15/22 00:57	1
PCB-19L	40		25 - 150				09/14/22 09:32	09/15/22 00:57	1
PCB-31L	52		25 _ 150				09/14/22 09:32	09/15/22 00:57	1

Eurofins Lancaster Laboratories Environment Testing, LLC

09/14/22 09:32 09/15/22 00:57

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Client Sample ID: 22083107-002 Outfall DP Date Collected: 08/30/22 17:15 Date Received: 08/31/22 18:39

Lab Sample ID: 410-96341-2 Matrix: Water

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Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-37L	79		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-47L	66		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-54L	47		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-60L	86		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-70L	84		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-77L	90		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-81L	87		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-85L	80		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-95L	77		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-104L	59		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-105L	94		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-114L	94		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-118L	101		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-123L	92		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-126L	89		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-127L	90		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-155L	72		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-156L/157L	90		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-167L	94		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-169L	97		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-180L	105		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-188L	76		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-189L	97		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-202L	70		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-205L	93		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-206L	83		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-208L	76		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-209L	103		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-128L	81		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-133L	87		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-141L	112		25 - 150	09/14/22 09:32	09/15/22 00:57	1
PCB-162L	116		25 - 150	09/14/22 09:32	09/15/22 00:57	1

Job ID: 410-96341-1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water

Prep	Type:	Total/N	A

			P	ercent Isotop	e Dilution Re	coverv (Acce	eptance Limit	ts)	
		PCB1L	PCB3L	PCB4L	PCB8L	PCB15L	PCB19L	PCB31L	PCB32L
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
410-96341-1	22083107-001 Outfall 012	40	42	37	40	43	40	47	46
410-96341-2	22083107-002 Outfall DP	41	40	32	42	45	40	52	40
MB 410-295690/1-A	Method Blank	56	62	52	55	61	56	61	58
			D	orcont leaton	o Dilution Bo		ntanco Limi	(c)	
		DCB27I	DCD47L						DODOSI
		PCB3/L	PCD4/L	PCD34L	PCD0UL	PCD/UL	PCD//L	PCD01L	PCB03L
	Client Sample ID	(25-150)	(23-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(23-150)
410-96341-1	22083107-001 Outfall 012	62	55	44	65	00	72	70	53
410-96341-2	22083107-002 Outrall DP	79	00	47	80	84	90	87	80
MB 410-295690/1-A	Method Blank	71	63	54	72	71	73	71	57
			P	ercent Isotop	e Dilution Re	covery (Acce	eptance Limit	ts)	
		PCB95L	PCB104L	PCB105L	PCB114L	PCB118L	PCB123L	PCB126L	PCB127L
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
410-96341-1	22083107-001 Outfall 012	59	47	71	71	71	69	67	68
410-96341-2	22083107-002 Outfall DP	77	59	94	94	101	92	89	90
MB 410-295690/1-A	Method Blank	72	59	78	78	77	74	74	75
			P	ercent Isotop	e Dilution Re	covery (Acce	eptance Limit	ts)	
		PCB155L	156157L	PCB167L	PCB169L	PCB180L	PCB188L	PCB189L	PCB202L
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
410-96341-1	22083107-001 Outfall 012		74	73	72	96	69	75	67
410-96341-2	22083107-002 Outfall DP	72	90	94	97	105	76	97	70
MB 410-295690/1-A	Method Blank	74	91	90	89	115	85	93	84
			-						0.
		DODOOL	P	ercent isotop	e Dilution Re	covery (Acce	eptance Limit	(S)	B0B4001
		PCB205L	PCB206L	PCB208L	PCB209L	PCB128L	PCB133L	PCB141L	PCB162L
		(05.450)	(0.5.4.50)	(0 = 4 = 0)	(0 = 4 = 0)				/***********
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
Lab Sample ID 410-96341-1	Client Sample ID 22083107-001 Outfall 012	(25-150) 77	(25-150) 73	(25-150) 71	(25-150) 70	(25-150) 71	(25-150) 70	(25-150) 90	87
Lab Sample ID 410-96341-1 410-96341-2	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP	(25-150) 77 93	(25-150) 73 83	(25-150) 71 76	(25-150) 70 103	(25-150) 71 81	(25-150) 70 87	(25-150) 90 112	(25-150) 87 116
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	<u>(25-150)</u> 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-4L	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	<u>(25-150)</u> 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-4L PCB8L = PCB-8L	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-130) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-4L PCB8L = PCB-8L PCB15L = PCB-15L	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-150) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-4L PCB8L = PCB-8L PCB15L = PCB-15L PCB19L = PCB-19L	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-130) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-3L PCB4L = PCB-4L PCB5L = PCB-8L PCB15L = PCB-15L PCB19L = PCB-19L PCB31L = PCB-31L	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-130) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-4L PCB8L = PCB-8L PCB15L = PCB-8L PCB15L = PCB-15L PCB19L = PCB-19L PCB31L = PCB-31L PCB32L = PCB-32L	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-130) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-4L PCB4L = PCB-4L PCB5L = PCB-8L PCB15L = PCB-15L PCB19L = PCB-19L PCB31L = PCB-31L PCB32L = PCB-32L PCB37L = PCB-37L	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-130) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-3L PCB4L = PCB-4L PCB15L = PCB-15L PCB19L = PCB-19L PCB31L = PCB-31L PCB32L = PCB-32L PCB37L = PCB-37L PCB47L = PCB-47L	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-130) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-4L PCB4L = PCB-4L PCB15L = PCB-15L PCB19L = PCB-19L PCB31L = PCB-31L PCB32L = PCB-32L PCB37L = PCB-37L PCB47L = PCB-47L PCB54L = PCB-54L	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-130) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-3L PCB4L = PCB-4L PCB51 = PCB-15L PCB15L = PCB-15L PCB19L = PCB-19L PCB31L = PCB-31L PCB32L = PCB-32L PCB37L = PCB-37L PCB47L = PCB-47L PCB54L = PCB-60L	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-130) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-4L PCB4L = PCB-4L PCB51L = PCB-15L PCB15L = PCB-15L PCB19L = PCB-19L PCB31L = PCB-31L PCB32L = PCB-32L PCB37L = PCB-37L PCB47L = PCB-47L PCB54L = PCB-60L PCB70L = PCB-70L	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-130) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-4L PCB4L = PCB-4L PCB51L = PCB-15L PCB15L = PCB-15L PCB19L = PCB-19L PCB31L = PCB-31L PCB32L = PCB-32L PCB37L = PCB-37L PCB47L = PCB-47L PCB54L = PCB-60L PCB70L = PCB-70L PCB7L = PCB-771	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-130) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-3L PCB5L = PCB-3L PCB15L = PCB-3L PCB15L = PCB-15L PCB19L = PCB-19L PCB31L = PCB-31L PCB32L = PCB-32L PCB37L = PCB-37L PCB47L = PCB-47L PCB54L = PCB-54L PCB54L = PCB-60L PCB70L = PCB-70L PCB71L = PCB-811	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-150) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-3L PCB4L = PCB-4L PCB5L = PCB-8L PCB15L = PCB-15L PCB19L = PCB-19L PCB31L = PCB-31L PCB32L = PCB-32L PCB37L = PCB-37L PCB47L = PCB-47L PCB54L = PCB-54L PCB60L = PCB-60L PCB70L = PCB-70L PCB71L = PCB-81L PCB851 = PCB-851	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-130) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-3L PCB4L = PCB-8L PCB15L = PCB-8L PCB15L = PCB-19L PCB31L = PCB-31L PCB32L = PCB-32L PCB37L = PCB-37L PCB37L = PCB-37L PCB47L = PCB-47L PCB54L = PCB-60L PCB70L = PCB-70L PCB71L = PCB-71L PCB81L = PCB-81L PCB85L = PCB-85L PCB95L = PCB-95L	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-130) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-4L PCB4L = PCB-4L PCB5L = PCB-15L PCB19L = PCB-19L PCB31L = PCB-31L PCB32L = PCB-32L PCB37L = PCB-37L PCB47L = PCB-47L PCB54L = PCB-47L PCB54L = PCB-60L PCB70L = PCB-70L PCB71L = PCB-71L PCB85L = PCB-85L PCB95L = PCB-95L PCB104L = PCB-104	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-130) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-4L PCB4L = PCB-4L PCB5L = PCB-15L PCB19L = PCB-19L PCB31L = PCB-31L PCB32L = PCB-32L PCB37L = PCB-37L PCB47L = PCB-47L PCB54L = PCB-54L PCB60L = PCB-60L PCB70L = PCB-70L PCB71L = PCB-71L PCB85L = PCB-81L PCB85L = PCB-85L PCB95L = PCB-95L PCB104L = PCB-104L PCB104L = PCB-104L	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-130) 87 116 109
Lab Sample ID 410-96341-1 410-96341-2 MB 410-295690/1-A Surrogate Legend PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-3L PCB4L = PCB-8L PCB5L = PCB-8L PCB15L = PCB-19L PCB31L = PCB-31L PCB32L = PCB-32L PCB37L = PCB-37L PCB47L = PCB-47L PCB47L = PCB-47L PCB54L = PCB-54L PCB60L = PCB-60L PCB70L = PCB-70L PCB71L = PCB-71L PCB81L = PCB-81L PCB85L = PCB-85L PCB95L = PCB-95L PCB104L = PCB-104L PCB105L = PCB-105L PCB141 = PCD-1111	Client Sample ID 22083107-001 Outfall 012 22083107-002 Outfall DP Method Blank	(25-150) 77 93 96	(25-150) 73 83 92	(25-150) 71 76 91	(25-150) 70 103 98	(25-150) 71 81 87	(25-150) 70 87 83	(25-150) 90 112 107	(23-130) 87 116 109

Isotope Dilution Summary

Client: Phase Separation Science, Inc Project/Site: PCB Congeners

PCB118L = PCB-118L PCB123L = PCB-123L PCB126L = PCB-126L PCB127L = PCB-127L PCB155L = PCB-155L 156157L = PCB-156L/157L PCB167L = PCB-167L PCB169L = PCB-169L PCB180L = PCB-180L PCB188L = PCB-188L PCB189L = PCB-189L PCB202L = PCB-202L PCB205L = PCB-205L PCB206L = PCB-206L PCB208L = PCB-208L PCB209L = PCB-209L PCB128L = PCB-128L PCB133L = PCB-133L PCB141L = PCB-141L PCB162L = PCB-162L

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) Matrix: Water

			P	ercent Isotop	e Dilution Re	covery (Acc	eptance Limi	ts)	
		PCB1L	PCB3L	PCB4L	PCB8L	PCB15L	PCB19L	PCB31L	PCB32L
Lab Sample ID	Client Sample ID	(15-140)	(15-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)
LCS 410-295690/2-A	Lab Control Sample	49	53	44	48	51	46	52	50
			P	ercent Isotop	e Dilution Re	covery (Acc	eptance Limi	ts)	
		PCB37L	PCB47L	PCB54L	PCB60L	PCB70L	PCB77L	PCB81L	PCB85L
Lab Sample ID	Client Sample ID	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)
LCS 410-295690/2-A	Lab Control Sample	65	56	49	65	64	69	66	52
			P	ercent Isotop	e Dilution Re	covery (Acc	eptance Limi	ts)	
		PCB95L	PCB104L	PCB105L	PCB114L	PCB118L	PCB123L	PCB126L	PCB127L
Lab Sample ID	Client Sample ID	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)
LCS 410-295690/2-A	Lab Control Sample	65	52	71	70	68	66	65	66
			P	ercent Isotop	e Dilution Re	covery (Acc	eptance Limi	ts)	
		PCB155L	156157L	PCB167L	PCB169L	PCB180L	PCB188L	PCB189L	PCB202L
Lab Sample ID	Client Sample ID	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)
LCS 410-295690/2-A	Lab Control Sample	65	82	80	78	104	76	81	77
			P	ercent Isotop	e Dilution Re	covery (Acc	eptance Limi	ts)	
		PCB205L	PCB206L	PCB208L	PCB209L	PCB128L	PCB133L	PCB141L	PCB162L
Lab Sample ID	Client Sample ID	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)
LCS 410-295690/2-A	Lab Control Sample	84	80	82	84	78	73	95	95
Surrogate Legend									
PCB1L = PCB-1L									

PCB1L = PCB-1L PCB3L = PCB-3L PCB4L = PCB-4L PCB8L = PCB-8L PCB15L = PCB-15L PCB19L = PCB-19L PCB31L = PCB-31L PCB32L = PCB-32L PCB37L = PCB-37L PCB47L = PCB-47L Job ID: 410-96341-1

Prep Type: Total/NA

Eurofins Lancaster Laboratories Environment Testing, LLC

9/15/2022

Isotope Dilution Summary

Client: Phase Separation Science, Inc Project/Site: PCB Congeners PCB54L = PCB-54L PCB60L = PCB-60L PCB70L = PCB-70L PCB77L = PCB-77L PCB81L = PCB-81L PCB85L = PCB-85L PCB95L = PCB-95L PCB104L = PCB-104L PCB105L = PCB-105L PCB114L = PCB-114L PCB118L = PCB-118L PCB123L = PCB-123L PCB126L = PCB-126L PCB127L = PCB-127L PCB155L = PCB-155L 156157L = PCB-156L/157L PCB167L = PCB-167L PCB169L = PCB-169L PCB180L = PCB-180L PCB188L = PCB-188L PCB189L = PCB-189L PCB202L = PCB-202L PCB205L = PCB-205L PCB206L = PCB-206L PCB208L = PCB-208L PCB209L = PCB-209L PCB128L = PCB-128L PCB133L = PCB-133L PCB141L = PCB-141L PCB162L = PCB-162L

Job ID: 410-96341-1

Prep Type: Total/NA

Prep Batch: 295690

Lab Sample ID: MB 410-295690/1-A Matrix: Water

Analysis Batch: 295994

AnalyceResultRes		MB	МВ							
PCB-1 ND 200 116 ppL 001422 00.32 001422 00.22 <	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-2 ND 200 11 prL 0.011422 0022	PCB-1	ND		200	18	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-4 ND 200 11 ppl- 001/422 0032 091/422 0032 091/522 0228 1 PCB-5 ND 45 20 ppl- 001/422 0032 091502 0228 1 PCB-6 ND 40 15 ppl- 001/422 0032 091502 0228 1 PCB-7 ND 40 15 ppl- 001/422 0032 091522 0228 1 PCB-7 ND 40 45 22 ppl- 001/422 0032 091522 0228 1 PCB-10 ND 40 17 ppl- 001/422 0032 091522 0228 1 PCB-11 ND 400 300 10 ppl- 001/422 0032 091522 0228 1 PCB-13 ND 45 20 ppl- 001/422 0032 091522 0228 1 PCB-16 ND 40 14 ppl- 001/422 0032 091522 0228 1 PCB-16 ND 40 14 ppl- 001/422 0032 091522 0228 1 PCB-16 ND 40 19 001/42	PCB-2	ND		200	16	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB4 ND 45 22 ppl 09/14/22/032 09/15/22/22.8 1 PCB-5 ND 45 20 ppl 09/14/22/032 09/15/22/02.8 1 PCB-7 ND 40 15 ppl 09/14/22/032 09/15/22/02.8 1 PCB-7 ND 40 15 ppl 09/14/22/032 09/15/22/02.8 1 PCB-8 ND 40 17 ppl 09/14/22/032 09/15/22/02.8 1 PCB-10 ND 40 17 ppl 09/14/22/032 09/15/22/02.8 1 PCB-11 ND 300 110 ppl 09/14/22/032 09/15/22/02.8 1 PCB-15 ND 45 20 ppl 09/14/22/032 09/15/22/02.8 1 PCB-16 ND 40 11 ppl 09/14/22/032 09/15/22/02.8 1 PCB-13 ND 40 11 ppl 09/14/22/032 09/15/22/02.8 1	PCB-3	ND		200	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-6 ND 45 20 PQL 0014/22 0032 0015/22 0228 1 PCB-6 ND 40 16 PpL 0014/22 0032 0015/22 0228 1 PCB-7 ND 40 16 PpL 0014/22 0032 0015/22 0228 1 PCB-8 ND 40 17 PpL 0014/22 0032 0015/22 0228 1 PCB-10 ND 40 17 PpL 0014/22 0032 0015/22 0228 1 PCB-11 ND 400 45 20 PpL 0014/22 0032 0015/22 0228 1 PCB-13 ND 45 20 PpL 0014/42 0033 0015/22 0228 1 PCB-16 ND 40 14 PpL 0014/42 0033 0015/22 0228 1 PCB-16 ND 40 11 PpL 0014/42 0033 0015/22 0228 1 PCB-16 ND 40 11 PpL 0014/42 0033 0015/22 0228 1 PCB-17 ND 40 15 PpL 0014/42 0033 0015/22	PCB-4	ND		45	22	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-4 ND 40 18 pg/L 0014/22 0032 0015/22 0228 1 PCB-7 ND 40 16 pg/L 0014/22 0032 0015/22 0228 1 PCB-4 ND 40 17 pg/L 0014/22 0032 0015/22 0228 1 PCB-10 ND 40 17 pg/L 0014/22 0032 0015/22 0228 1 PCB-11 ND 300 10 pg/L 0014/22 0032 0015/22 0228 1 PCB-1213 ND 43 20 pg/L 0014/22 0032 0015/22 0228 1 PCB-15 ND 45 20 pg/L 0014/22 0032 0015/22 0228 1 PCB-16 ND 40 11 pg/L 0014/22 0032 0015/22 0228 1 PCB-17 ND 40 41 pg/L 0014/22 0032 0015/22 0228 1 PCB-130 ND 40 14 pg/L 0014/22 0032 0015/22 0228 1 PCB-2020 ND 40 15 pg/L 0014/32 0032 0015/22	PCB-5	ND		45	20	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-7 ND 40 16 pyll 091422 0932 091522 0228 1 PCB-4 ND 40 17 pgll 091422 0932 091522 0228 1 PCB-10 ND 45 22 pgll 091422 0932 091522 0228 1 PCB-11 ND 300 10 pgll 091422 0932 091522 0228 1 PCB-11 ND 300 14 pgll 091422 0932 091522 0228 1 PCB-13 ND 45 20 pgll 091422 0932 091522 0228 1 PCB-16 ND 40 14 pgll 091422 0932 091522 0228 1 PCB-17 ND 40 14 pgll 091422 0932 091522 0228 1 PCB-13 ND 40 15 pgl 091422 0932 091522 0228 1 PCB-2028 ND 40 15 pgl 091422 0932 091522 0228 1 PCB	PCB-6	ND		40	18	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-8 ND 40 61 pgl, 091422 0932 091522 0228 1 PCB-10 ND 43 72 091422 0932 091522 0228 1 PCB-11 ND 300 110 pgl, 091422 0932 091522 0228 1 PCB-11 ND 300 110 pgl, 091422 0932 091522 0228 1 PCB-121 ND 45 20 pgl, 091422 0932 091522 0228 1 PCB-13 ND 45 20 pgl, 091422 0932 091522 0228 1 PCB-15 ND 40 11 pgl, 091422 0932 091522 0228 1 PCB-130 ND 40 11 pgl, 091422 0932 09152 0228 1 PCB-130 ND 40 11 pgl, 091422 0932 09152 0228 1 PCB-130 ND 40 11 pgl, 091422 0932 09152 0228 1 PCB-130 ND 40 13 pgl, 091422 0932 091522 0228 1	PCB-7	ND		40	16	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-9 ND 40 17 pgl. 08/14/22 032 09/15/22 02.28 1 PCB-10 ND 300 10 pgl. 09/14/22 032 09/15/22 02.28 1 PCB-1213 ND 45 32 pgl. 09/14/22 032 09/15/22 02.28 1 PCB-1213 ND 45 32 pgl. 09/14/22 032 09/15/22 02.28 1 PCB-16 ND 45 32 pgl. 09/14/22 032 09/15/22 02.28 1 PCB-16 ND 40 14 pgl. 09/14/22 032 09/15/22 02.28 1 PCB-17 ND 40 14 pgl. 09/14/22 032 09/15/22 02.28 1 PCB-19 ND 40 14 pgl. 09/14/22 032 09/15/22 02.28 1 PCB-202 ND 40 15 pgl. 09/14/22 032 09/15/22 02.28 1 PCB-21 ND 40 15 pgl. 09/14/22 032 09/15/22 02.28	PCB-8	ND		40	16	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-10 ND 45 22 pgl. 09/14/22 09/32 09/15/22 02/28 1 PCB-111 ND 300 110 pgl. 09/14/22 09/32 09/15/22 02/28 1 PCB-1213 ND 45 20 pgl. 09/14/22 09/32 09/15/22 02/28 1 PCB-16 ND 45 20 pgl. 09/14/22 09/32 09/15/22 02/28 1 PCB-16 ND 40 14 pgl. 09/14/22 09/32 09/15/22 02/28 1 PCB-163 ND 40 11 pgl. 09/14/22 09/32 09/15/22 02/28 1 PCB-19 ND 40 11 pgl. 09/14/22 09/32 09/15/22 02/28 1 PCB-20/28 ND 60 28 pgl. 09/14/22 09/32 09/15/22 02/28 1 PCB-21/33 ND 60 14 pgl. 09/14/22 09/32 09/15/22 02/28 1 PCB-23 ND 40 17 pgl. 09/14/22 09/32 0	PCB-9	ND		40	17	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-11 ND 300 110 pgl. 0914/22 09.32 0915/22 02.28 1 PCB-14 ND 45 20 pgl. 0914/22 09.32 0915/22 02.28 1 PCB-16 ND 45 20 pgl. 0914/22 09.32 0915/22 02.28 1 PCB-16 ND 40 14 pgl. 0914/22 09.32 0915/22 02.28 1 PCB-16 ND 40 14 pgl. 0914/22 09.32 0915/22 02.28 1 PCB-17 ND 40 11 pgl. 0914/22 09.32 0915/22 02.28 1 PCB-130 ND 40 11 pgl. 0914/22 09.32 0915/22 02.28 1 PCB-2028 ND 40 15 pgl. 0914/22 09.32 0915/22 02.28 1 PCB-23 ND 40 15 pgl. 0914/22 09.32 0915/22 02.28 1 PCB-24 ND 40 17 pgl. 0914/42 09.32 0915/22 02.28	PCB-10	ND		45	22	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-12/13 ND B0 34 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-14 ND 45 20 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-16 ND 45 20 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-16 ND 40 11 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-17 ND 40 11 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-19 ND 40 11 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-20/28 ND 60 28 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-20/28 ND 40 15 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-20 ND 40 17 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-32 ND 40 18 pg/L 09/14/22 09.32 09/1	PCB-11	ND		300	110	pa/L		09/14/22 09:32	09/15/22 02:28	1
PCB-14 ND 45 20 pgl. 09/14/22 09:32 09/15/22 02:28 1 PCB-15 ND 45 20 pgL. 09/14/22 09:32 09/15/22 02:28 1 PCB-16 ND 40 14 pgL. 09/14/22 09:32 09/15/22 02:28 1 PCB-16 ND 40 11 pgL. 09/14/22 09:32 09/15/22 02:28 1 PCB-17 ND 40 11 pgL. 09/14/22 09:32 09/15/22 02:28 1 PCB-19 ND 40 14 pgL. 09/14/22 09:32 09/15/22 02:28 1 PCB-20/28 ND 40 49 pgL. 09/14/22 09:32 09/15/22 02:28 1 PCB-23 ND 40 15 pgL. 09/14/22 09:32 09/15/22 02:28 1 PCB-24 ND 40 13 pgL. 09/14/22 09:32 09/15/22 02:28 1 PCB-25 ND 40 13 pgL. 09/14/22 09:32 09/15/22 0	PCB-12/13	ND		80	34	pa/L		09/14/22 09:32	09/15/22 02:28	1
PCB-15 ND 45 20 pgL 001/422 00:32 001/522 00:23 1 PCB-16 ND 40 14 pgL 001/422 00:32 001/522 00:23 1 PCB-16 ND 40 11 pgL 001/422 00:32 001/522 00:23 1 PCB-18/30 ND 40 11 pgL 001/422 00:32 001/522 00:23 1 PCB-19 ND 40 11 pgL 001/422 00:32 001/522 00:23 1 PCB-2028 ND 60 28 pgL 001/422 00:32 001/522 00:23 1 PCB-203 ND 40 14 pgL 001/422 00:32 001/522 00:23 1 PCB-23 ND 40 17 pgL 001/422 00:32 001/522 00:28 1 PCB-24 ND 40 17 pgL 001/422 00:32 001/522 00:28 1 PCB-32 ND 40 17 pgL 001/422 00:32 001/522 00:28 1 <td>PCB-14</td> <td>ND</td> <td></td> <td>45</td> <td>20</td> <td>ng/l</td> <td></td> <td>09/14/22 09:32</td> <td>09/15/22 02:28</td> <td></td>	PCB-14	ND		45	20	ng/l		09/14/22 09:32	09/15/22 02:28	
PCB-16 ND 40 14 pg/L 091/422 09:32 091/522 02:28 1 PCB-17 ND 40 11 pg/L 091/422 09:32 091/522 02:28 1 PCB-18 ND 80 24 pg/L 091/422 09:32 091/522 02:28 1 PCB-19 ND 80 28 pg/L 091/422 09:32 091/522 02:28 1 PCB-20/28 ND 80 29 pg/L 091/422 09:32 091/522 02:28 1 PCB-23 ND 40 15 pg/L 091/422 09:32 091/522 02:28 1 PCB-24 ND 40 15 pg/L 091/422 09:32 091/522 02:28 1 PCB-26 ND 40 15 pg/L 091/422 09:32 091/522 02:28 1 PCB-26 ND 40 17 pg/L 091/422 09:32 091/522 02:28 1 PCB-32 ND 40 17 pg/L 091/422 09:32 091/522 02:28 <t< td=""><td>PCB-15</td><td>ND</td><td></td><td>45</td><td>20</td><td>pg/L</td><td></td><td>09/14/22 09:32</td><td>09/15/22 02:28</td><td>1</td></t<>	PCB-15	ND		45	20	pg/L		09/14/22 09:32	09/15/22 02:28	1
DCB-17 ND 40 11 pg/L 001/1422 09:32 001/1522 02:28 1 PCB-13/30 ND 80 24 pg/L 001/1422 09:32 091/1522 02:28 1 PCB-13/9 ND 40 11 pg/L 091/1422 09:32 091/1522 02:28 1 PCB-20/28 ND 80 28 pg/L 091/1422 09:32 091/1522 02:28 1 PCB-21/33 ND 80 28 pg/L 091/1422 09:32 091/1522 02:28 1 PCB-23 ND 40 14 pg/L 091/1422 09:32 091/1522 02:28 1 PCB-23 ND 40 17 pg/L 091/1422 09:32 091/1522 02:28 1 PCB-24 ND 40 17 pg/L 091/1422 09:32 091/1522 02:28 1 PCB-25 ND 40 14 pg/L 091/1422 09:32 091/1522 02:28 1 PCB-32 ND 40 14 pg/L 091/1422 09:32 09	PCB-16			40	14	pg/L		09/14/22 00:32	09/15/22 02:28	1
DCB-18/20 ND 40 11 pg/L 09/14/2 0032 09/15/2 0228 1 PCB-19/9 ND 40 11 pg/L 09/14/2 0032 09/15/2 0228 1 PCB-2028 ND 80 28 pg/L 09/14/2 0032 09/15/2 0228 1 PCB-21/33 ND 80 28 pg/L 09/14/2 0032 09/15/2 0228 1 PCB-21/33 ND 40 14 pg/L 09/14/2 0032 09/15/2 0228 1 PCB-24 ND 40 17 pg/L 09/14/2 0032 09/15/2 0228 1 PCB-25 ND 40 17 pg/L 09/14/2 0032 09/15/2 0228 1 PCB-26 ND 40 19 pg/L 09/14/2 0032 09/15/2 0228 1 PCB-31 ND 40 19 pg/L 09/14/2 0032 09/15/2 0228 1 PCB-32 ND 40 19 pg/L 09/14/2 0032 09/15/2 0228 1	PCB-17			40	11	pg/L		00/14/22 00:02	00/15/22 02:20	
DCB-19 ND 40 11 pglL 09/14/2 033 09/15/2 0228 1 PCB-20/28 ND 80 28 pg/L 09/14/2 033 09/15/2 0228 1 PCB-20/28 ND 80 29 pg/L 09/14/2 033 09/15/2 0228 1 PCB-21/33 ND 40 14 pg/L 09/14/2 033 09/15/2 0228 1 PCB-22 ND 40 17 pg/L 09/14/2 033 09/15/2 0228 1 PCB-23 ND 40 17 pg/L 09/14/2 0932 09/15/2 0228 1 PCB-26 ND 40 13 pg/L 09/14/2 0932 09/15/2 0228 1 PCB-26 ND 40 14 pg/L 09/14/2 0932 09/15/2 0228 1 PCB-31 ND 40 14 pg/L 09/14/2 0932 09/15/2 0228 1 PCB-34 ND 40 17 pg/L 09/14/2 0932 09/15/2 0228 1	PCB-18/30			40 80	24	pg/L		09/14/22 09:32	09/15/22 02:20	1
PCB-10's ND HD <	PCB 10			40	2 4 11	pg/L		00/14/22 00:32	00/15/22 02:20	1
PCB-21/33 ND 80 2.8 pg/L 091/422 0932 091/522 02.28 1 PCB-21/33 ND 40 14 pg/L 091/522 02.28 1 PCB-23 ND 40 15 pg/L 091/522 02.28 1 PCB-23 ND 40 17 pg/L 091/522 02.28 1 PCB-26 ND 40 17 pg/L 091/522 02.28 1 PCB-26 ND 40 13 pg/L 091/522 02.28 1 PCB-26/29 ND 40 14 pg/L 091/422 0932 091/522 02.28 1 PCB-32 ND 40 14 pg/L 091/422 0932 091/522 02.28 1 PCB-32 ND 40 14 pg/L 091/422 0932 091/522 02.28 1 PCB-32 ND 40 17 pg/L 091/422 0932 091/522 02.28 1 PCB-33 ND 40 17 pg/L 091/422						pg/L		00/14/22 09:32	00/15/22 02:20	
PCB-21 ND 40 14 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-22 ND 40 15 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-23 ND 40 17 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-26 ND 40 13 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-26/29 ND 80 36 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-36/29 ND 40 14 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-31 ND 40 14 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-35 ND 40 19 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-36 ND 40 17 pg/L 09/14/22 09.32 09/15/22 02.28 1 PCB-37 ND 40 18 pg/L 09/14/22 09.32 09/15/2				80	20	pg/L		09/14/22 09.32	09/15/22 02.20	1
PCB-22 ND 4Q 14 gpL 09/14/22 03.2 09/13/22 02.28 1 PCB-23 ND 40 17 pg/L 09/14/22 03.2 09/15/22 02.28 1 PCB-24 ND 40 13 pg/L 09/14/22 03.22 09/15/22 02.28 1 PCB-26 ND 40 13 pg/L 09/14/22 03.22 09/15/22 02.28 1 PCB-26/29 ND 40 14 pg/L 09/14/22 03.22 09/15/22 02.28 1 PCB-31 ND 40 14 pg/L 09/14/22 03.22 09/15/22 02.28 1 PCB-32 ND 40 8.0 pg/L 09/14/22 03.22 09/15/22 02.28 1 PCB-36 ND 40 17 pg/L 09/14/22 03.22 09/15/22 02.28 1 PCB-36 ND 40 14 pg/L 09/14/22 03.22 09/15/22 02.28 1 PCB-37 ND 40 18 pg/L 09/14/22 03.22 09/15/22 02.		ND		80	29	pg/L		09/14/22 09.32	09/15/22 02.28	1
PCB-23 ND 40 15 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-24 ND 40 13 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-26/29 ND 40 13 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-26/29 ND 40 11 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-31 ND 40 14 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-32 ND 40 8.0 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-34 ND 40 17 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-35 ND 40 17 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-36 ND 40 14 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-37 ND 40 8.0 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-38 ND 40 18 pg/L				40	14	pg/L		09/14/22 09:32	09/15/22 02:28	
PCB-24 ND 40 17 pgL 09/14/22 09:32 09/15/22 02:28 1 PCB-25 ND 80 36 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-26/29 ND 40 11 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-37 ND 40 11 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-34 ND 40 8.0 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-34 ND 40 8.0 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-35 ND 40 17 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-36 ND 40 17 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-37 ND 40 80 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-36 ND 40 17 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-33 ND 40 17 pg/L	PCB-23	ND		40	15	pg/L		09/14/22 09:32	09/15/22 02:28	1
PGB-25 ND 40 13 pgL 09/14/22 09/14/22 09/12/22 1 PGB-26/29 ND 80 36 pg/L 09/14/22 09/12/22 02/22 1 PCB-26/29 ND 40 11 pg/L 09/14/22 09/15/22 02/28 1 PCB-31 ND 40 14 pg/L 09/14/22 09/15/22 02/28 1 PCB-32 ND 40 8.0 pg/L 09/14/22 09/32 09/15/22 02/28 1 PCB-36 ND 40 19 pg/L 09/14/22 09/32 09/15/22 02/28 1 PCB-36 ND 40 19 pg/L 09/14/22 09/32 09/15/22 02/28 1 PCB-37 ND 40 8.0 pg/L 09/14/22 09/32 09/15/22 02/28 1 PCB-37 ND 40 8.0 pg/L 09/14/22 09/32 09/15/22 02/28 1 PCB-37 ND 40 18 pg/L	PCB-24	ND		40	17	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-26/29 ND 80 36 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-27 ND 40 11 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-31 ND 40 14 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-34 ND 40 17 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-35 ND 40 19 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-36 ND 40 14 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-36 ND 40 80 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-38 ND 40 18 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-4071 ND 160 16 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-43 ND 80 12 pg/L 09/14/22 09:32 09/15/2	PCB-25	ND		40	13	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-327 ND 40 11 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-31 ND 40 40 80 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-32 ND 40 80 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-34 ND 40 17 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-35 ND 40 19 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-36 ND 40 19 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-37 ND 40 80 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-36 ND 40 17 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-37 ND 40 18 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-36 ND 80 11 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-40/71 ND 80 11 <	PCB-26/29	ND		80	36	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-31 ND 40 14 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-32 ND 40 8.0 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-34 ND 40 17 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-35 ND 40 14 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-36 ND 40 14 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-36 ND 40 40 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-37 ND 40 40 7 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-38 ND 40 18 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-40/71 ND 160 16 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-41 ND 80 11 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-42 ND 80 11 <	PCB-27	ND		40	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-32 ND 40 8.0 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-34 ND 40 19 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-35 ND 40 19 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-36 ND 40 14 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-37 ND 40 40 9.0 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-38 ND 40 17 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-39 ND 40 18 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-40/71 ND 160 16 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-41 ND 80 11 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-42 ND 80 11 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-43 ND 80 18	PCB-31	ND		40	14	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-34 ND 40 17 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-35 ND 40 19 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-36 ND 40 19 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-37 ND 40 80 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-38 ND 40 17 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-39 ND 40 18 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-40/71 ND 40 18 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-41 ND 80 11 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-42 ND 80 11 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-43 ND 80 11 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-44 ND 80 18 pg/L	PCB-32	ND		40	8.0	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-35ND4019pg/L09/14/22 09:3209/15/22 02:281PCB-36ND4014pg/L09/14/22 09:3209/15/22 02:281PCB-37ND408.0pg/L09/14/22 09:3209/15/22 02:281PCB-38ND4017pg/L09/14/22 09:3209/15/22 02:281PCB-39ND4018pg/L09/14/22 09:3209/15/22 02:281PCB-40/71ND16016pg/L09/14/22 09:3209/15/22 02:281PCB-41ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-42ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-43ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-44/47/65ND24024pg/L09/14/22 09:3209/15/22 02:281PCB-45ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-46ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-46ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-49/69ND16018pg/L09/14/22 09:3209/15/22 02:281PCB-50/53ND30091pg/L09/14/22 09:3209/15/22 02:281PCB-52ND8013pg/L09/14/22 09:3209/15/22 02:281 <t< td=""><td>PCB-34</td><td>ND</td><td></td><td>40</td><td>17</td><td>pg/L</td><td></td><td>09/14/22 09:32</td><td>09/15/22 02:28</td><td>1</td></t<>	PCB-34	ND		40	17	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-36ND4014pg/L09/14/22 09:3209/15/22 02:281PCB-37ND408.0pg/L09/14/22 09:3209/15/22 02:281PCB-38ND4017pg/L09/14/22 09:3209/15/22 02:281PCB-39ND4018pg/L09/14/22 09:3209/15/22 02:281PCB-40/71ND16016pg/L09/14/22 09:3209/15/22 02:281PCB-41ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-42ND8012pg/L09/14/22 09:3209/15/22 02:281PCB-43ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-44/47/65ND24024pg/L09/14/22 09:3209/15/22 02:281PCB-45ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-46ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-48ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-49/69ND16018pg/L09/14/22 09:3209/15/22 02:281PCB-50/53ND30091pg/L09/14/22 09:3209/15/22 02:281PCB-52ND8013pg/L09/14/22 09:3209/15/22 02:281PCB-55ND8018pg/L09/14/22 09:3209/15/22 02:281 </td <td>PCB-35</td> <td>ND</td> <td></td> <td>40</td> <td>19</td> <td>pg/L</td> <td></td> <td>09/14/22 09:32</td> <td>09/15/22 02:28</td> <td>1</td>	PCB-35	ND		40	19	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-37ND408.0pg/L09/14/22 09:3209/15/22 02:281PCB-38ND4017pg/L09/14/22 09:3209/15/22 02:281PCB-39ND4018pg/L09/14/22 09:3209/15/22 02:281PCB-40/71ND16016pg/L09/14/22 09:3209/15/22 02:281PCB-41ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-42ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-43ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-44/47/65ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-45ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-46ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-48ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-49/69ND16018pg/L09/14/22 09:3209/15/22 02:281PCB-51ND30091pg/L09/14/22 09:3209/15/22 02:281PCB-52ND8013pg/L09/14/22 09:3209/15/22 02:281PCB-55ND8018pg/L09/14/22 09:3209/15/22 02:281	PCB-36	ND		40	14	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-38ND4017pg/L09/14/22 09:3209/15/22 02:281PCB-39ND4018pg/L09/14/22 09:3209/15/22 02:281PCB-40/71ND16016pg/L09/14/22 09:3209/15/22 02:281PCB-41ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-42ND8012pg/L09/14/22 09:3209/15/22 02:281PCB-43ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-44/47/65ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-45ND8018pg/L09/14/22 09:3209/15/22 02:281PCB-46ND8019pg/L09/14/22 09:3209/15/22 02:281PCB-47ND8019pg/L09/14/22 09:3209/15/22 02:281PCB-48ND8019pg/L09/14/22 09:3209/15/22 02:281PCB-49/69ND16018pg/L09/14/22 09:3209/15/22 02:281PCB-50/53ND30091pg/L09/14/22 09:3209/15/22 02:281PCB-52ND8013pg/L09/14/22 09:3209/15/22 02:281PCB-55ND8018pg/L09/14/22 09:3209/15/22 02:281	PCB-37	ND		40	8.0	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-39ND4018pg/L09/14/22 09:3209/15/22 02:281PCB-40/71ND16016pg/L09/14/22 09:3209/15/22 02:281PCB-41ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-42ND8012pg/L09/14/22 09:3209/15/22 02:281PCB-43ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-44/47/65ND24024pg/L09/14/22 09:3209/15/22 02:281PCB-45ND8018pg/L09/14/22 09:3209/15/22 02:281PCB-46ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-47ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-46ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-49/69ND16018pg/L09/14/22 09:3209/15/22 02:281PCB-50/53ND30091pg/L09/14/22 09:3209/15/22 02:281PCB-52ND8013pg/L09/14/22 09:3209/15/22 02:281PCB-54ND8018pg/L09/14/22 09:3209/15/22 02:281PCB-55ND8011pg/L09/14/22 09:3209/15/22 02:281	PCB-38	ND		40	17	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-40/71ND16016pg/L09/14/22 09:3209/15/22 02:281PCB-41ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-42ND8012pg/L09/14/22 09:3209/15/22 02:281PCB-43ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-44/47/65ND24024pg/L09/14/22 09:3209/15/22 02:281PCB-45ND8018pg/L09/14/22 09:3209/15/22 02:281PCB-46ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-48ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-49/69ND16018pg/L09/14/22 09:3209/15/22 02:281PCB-50/53ND30091pg/L09/14/22 09:3209/15/22 02:281PCB-52ND8013pg/L09/14/22 09:3209/15/22 02:281PCB-52ND8013pg/L09/14/22 09:3209/15/22 02:281PCB-54ND8012pg/L09/14/22 09:3209/15/22 02:281PCB-55ND8011pg/L09/14/22 09:3209/15/22 02:281	PCB-39	ND		40	18	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-41ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-42ND8012pg/L09/14/22 09:3209/15/22 02:281PCB-43ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-44/47/65ND24024pg/L09/14/22 09:3209/15/22 02:281PCB-45ND8018pg/L09/14/22 09:3209/15/22 02:281PCB-46ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-48ND809.0pg/L09/14/22 09:3209/15/22 02:281PCB-49/69ND16018pg/L09/14/22 09:3209/15/22 02:281PCB-50/53ND30091pg/L09/14/22 09:3209/15/22 02:281PCB-52ND8013pg/L09/14/22 09:3209/15/22 02:281PCB-55ND8012pg/L09/14/22 09:3209/15/22 02:281	PCB-40/71	ND		160	16	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-42ND8012pg/L09/14/22 09:3209/15/22 02:281PCB-43ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-44/47/65ND24024pg/L09/14/22 09:3209/15/22 02:281PCB-45ND8018pg/L09/14/22 09:3209/15/22 02:281PCB-46ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-48ND809.0pg/L09/14/22 09:3209/15/22 02:281PCB-49/69ND16018pg/L09/14/22 09:3209/15/22 02:281PCB-50/53ND30091pg/L09/14/22 09:3209/15/22 02:281PCB-52ND8013pg/L09/14/22 09:3209/15/22 02:281PCB-54ND8012pg/L09/14/22 09:3209/15/22 02:281PCB-55ND8011pg/L09/14/22 09:3209/15/22 02:281	PCB-41	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-43ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-44/47/65ND24024pg/L09/14/22 09:3209/15/22 02:281PCB-45ND8018pg/L09/14/22 09:3209/15/22 02:281PCB-46ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-48ND809.0pg/L09/14/22 09:3209/15/22 02:281PCB-49/69ND16018pg/L09/14/22 09:3209/15/22 02:281PCB-50/53ND30091pg/L09/14/22 09:3209/15/22 02:281PCB-51ND8013pg/L09/14/22 09:3209/15/22 02:281PCB-52ND8012pg/L09/14/22 09:3209/15/22 02:281PCB-54ND8018pg/L09/14/22 09:3209/15/22 02:281PCB-55ND8011pg/L09/14/22 09:3209/15/22 02:281	PCB-42	ND		80	12	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-44/47/65ND24024pg/L09/14/22 09:3209/15/22 02:281PCB-45ND8018pg/L09/14/22 09:3209/15/22 02:281PCB-46ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-48ND809.0pg/L09/14/22 09:3209/15/22 02:281PCB-49/69ND16018pg/L09/14/22 09:3209/15/22 02:281PCB-50/53ND30091pg/L09/14/22 09:3209/15/22 02:281PCB-51ND8013pg/L09/14/22 09:3209/15/22 02:281PCB-52ND8012pg/L09/14/22 09:3209/15/22 02:281PCB-54ND8018pg/L09/14/22 09:3209/15/22 02:281PCB-55ND8011pg/L09/14/22 09:3209/15/22 02:281	PCB-43	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-45ND8018pg/L09/14/22 09:3209/15/22 02:281PCB-46ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-48ND809.0pg/L09/14/22 09:3209/15/22 02:281PCB-49/69ND16018pg/L09/14/22 09:3209/15/22 02:281PCB-50/53ND30091pg/L09/14/22 09:3209/15/22 02:281PCB-51ND8013pg/L09/14/22 09:3209/15/22 02:281PCB-52ND8012pg/L09/14/22 09:3209/15/22 02:281PCB-54ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-55ND8011pg/L09/14/22 09:3209/15/22 02:281	PCB-44/47/65	ND		240	24	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-46ND8011pg/L09/14/22 09:3209/15/22 02:281PCB-48ND809.0pg/L09/14/22 09:3209/15/22 02:281PCB-49/69ND16018pg/L09/14/22 09:3209/15/22 02:281PCB-50/53ND30091pg/L09/14/22 09:3209/15/22 02:281PCB-51ND8013pg/L09/14/22 09:3209/15/22 02:281PCB-52ND8012pg/L09/14/22 09:3209/15/22 02:281PCB-54ND8018pg/L09/14/22 09:3209/15/22 02:281PCB-55ND8011pg/L09/14/22 09:3209/15/22 02:281	PCB-45	ND		80	18	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-48ND809.0pg/L09/14/22 09:3209/15/22 02:281PCB-49/69ND16018pg/L09/14/22 09:3209/15/22 02:281PCB-50/53ND30091pg/L09/14/22 09:3209/15/22 02:281PCB-51ND8013pg/L09/14/22 09:3209/15/22 02:281PCB-52ND8012pg/L09/14/22 09:3209/15/22 02:281PCB-54ND8018pg/L09/14/22 09:3209/15/22 02:281PCB-55ND8011pg/L09/14/22 09:3209/15/22 02:281	PCB-46	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-49/69 ND 160 18 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-50/53 ND 300 91 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-51 ND 80 13 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-52 ND 80 12 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-54 ND 80 18 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-55 ND 80 18 pg/L 09/14/22 09:32 09/15/22 02:28 1	PCB-48	ND		80	9.0	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-50/53 ND 300 91 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-51 ND 80 13 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-52 ND 80 12 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-54 ND 80 18 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-55 ND 80 11 pg/L 09/14/22 09:32 09/15/22 02:28 1	PCB-49/69	ND		160	18	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-51 ND 80 13 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-52 ND 80 12 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-54 ND 80 18 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-55 ND 80 11 pg/L 09/14/22 09:32 09/15/22 02:28 1	PCB-50/53	ND		300	91	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-52 ND 80 12 pg/L 09/14/22 09/15/22 02:28 1 PCB-54 ND 80 18 pg/L 09/14/22 09/15/22 02:28 1 PCB-55 ND 80 11 pg/L 09/14/22 09/15/22 02:28 1	PCB-51	ND		80	13	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-54 ND 80 18 pg/L 09/14/22 09:32 09/15/22 02:28 1 PCB-55 ND 80 11 pg/L 09/14/22 09:32 09/15/22 02:28 1	PCB-52	ND		80	12	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-55 ND 80 11 pg/L 09/14/22 09:32 09/15/22 02:28 1	PCB-54	ND		80	18	pg/L		09/14/22 09:32	09/15/22 02:28	1
	PCB-55	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1

Prep Type: Total/NA

Prep Batch: 295690

Client Sample ID: Method Blank

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 410-295690/1-A

Matrix: Water Analysis Batch: 295994

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-56	ND		80	14	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-57	ND		80	12	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-58	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-59/62/75	ND		240	25	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-60	ND		80	9.0	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-61/70/74/76	ND		320	30	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-63	ND		80	13	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-64	ND		80	10	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-66	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-67	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-68	ND		80	10	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-72	ND		80	9.0	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-73	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-77	ND		80	19	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-78	ND		80	15	pa/L		09/14/22 09:32	09/15/22 02:28	1
PCB-79	ND		80	10	pa/L		09/14/22 09:32	09/15/22 02:28	
PCB-80	ND		80	10	pg/=		09/14/22 09:32	09/15/22 02:28	1
PCB-81	ND		80	10	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-82	ND		80	13	pg/L		09/14/22 09:32	09/15/22 02:28	
PCB-83			80	15	pg/L		09/14/22 09:32	09/15/22 02:28	1
			80	25	pg/L		09/14/22 09:32	09/15/22 02:20	1
			240	20	pg/L		09/14/22 09:32	09/15/22 02:20	
PCB-05/110/117			240	150	pg/L		09/14/22 09.32	09/15/22 02.28	1
PCB-60/67/97/109/119/125	ND		460	150	pg/L		09/14/22 09:32	09/15/22 02:28	1
			00	۱ <i>۲</i> ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰	pg/L		09/14/22 09:32	09/15/22 02:28	
PCB-89	ND		08	15	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-90/101/113	ND		240	40	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-91	ND		80	15	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-92	ND		80	12	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-93/100	ND		160	25	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-94	ND		80	13	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-95	13.2	J	80	12	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-96	ND		80	18	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-98/102	ND		200	29	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-99	24.8	JI	80	12	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-103	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-104	ND		80	17	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-105	22.1	JI	80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-106	28.1	JI	80	19	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-107	ND		80	14	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-108/124	ND		160	26	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-110/115	32.3	J	160	26	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-111	ND		80	13	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-112	ND		80	16	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-114	ND		80	18	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-118	60.4	J	80	17	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-120	ND		80	14	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-121	ND		80	12	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-122	52.8	JI	80	12	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-123	ND		80	22	pg/L		09/14/22 09:32	09/15/22 02:28	1
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Prep Type: Total/NA

Prep Batch: 295690

Client Sample ID: Method Blank

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 410-295690/1-A

Matrix: Water Analysis Batch: 295994

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-126	ND		80	29	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-127	ND		80	7.0	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-128/166	ND		160	18	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-129/138/163	47.5	J	240	29	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-130	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-131	ND		80	12	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-132	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-133	ND		80	10	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-134	ND		80	17	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-135/151	ND		160	32	pa/L		09/14/22 09:32	09/15/22 02:28	1
PCB-136	ND		80	15	pa/L		09/14/22 09:32	09/15/22 02:28	1
PCB-137	ND		80	12	ng/l		09/14/22 09:32	09/15/22 02:28	1
PCB-139/140	ND		160	19	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-141			80	6.0	pg/L		09/14/22 00:32	09/15/22 02:28	1
PCB-142			80	0.0	pg/∟ pg/l		00/14/22 00:02	09/15/22 02:28	
DCB 143			80	11	pg/L		00/14/22 09:32	09/15/22 02:20	1
PCB-143			80	21	pg/L		09/14/22 09:32	09/15/22 02:20	1
PCD-144			80	21	pg/L		09/14/22 09.32	09/15/22 02.28	
PCB-143	ND		80	23	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-146	ND		08	10	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-14//149	ND		160	20	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-148	ND		80	16	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-150	ND		80	19	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-152	ND		80	14	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-153/168	33.6	J	160	18	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-154	ND		200	45	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-155	ND		80	20	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-156/157	ND		160	29	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-158	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-159	ND		80	14	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-160	ND		80	12	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-161	ND		80	10	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-162	ND		80	9.0	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-164	ND		80	7.0	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-165	ND		80	10	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-167	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-169	ND		80	18	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-170	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-171/173	ND		160	16	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-172	ND		80	9.0	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-174	ND		80	11	pa/L		09/14/22 09:32	09/15/22 02:28	1
PCB-175	ND		80	12	pa/L		09/14/22 09:32	09/15/22 02:28	1
PCB-176	ND		80	60	pa/l		09/14/22 09:32	09/15/22 02:28	1
PCB-177	ND		80	9.0	pg/		09/14/22 09:32	09/15/22 02:28	1
PCB-178			80	15	pa/l		09/14/22 09:32	09/15/22 02:28	1
PCB-179			80	۰۵ ۵ م	ry,⊢ na/l		09/14/22 00:32	09/15/22 02:20	
PCB-180/193	םוא שא		160	9.0 10	P9,⊏ pa/l		09/12/22 09.32	00/15/22 02.20	1
	ND		100	19	pg/∟ pg/l		00/14/22 09.32	00/15/22 02.20	1
	ND		80	δ.U	pg/∟		09/14/22 09:32	09/15/22 02:28	۲ ۲
	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-183/185	ND		160	22	pg/L		09/14/22 09:32	09/15/22 02:28	1

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Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 295690

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Lab Sample ID: MB 410-295690/1-A

Matrix: Water Analysis Batch: 295994

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-184	ND		80	14	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-186	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-187	ND		80	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-188	ND		200	47	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-189	ND		80	15	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-190	ND		80	16	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-191	ND		80	10	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-192	ND		80	9.0	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-194	ND		120	12	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-195	ND		120	14	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-196	ND		120	11	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB-197/200	ND		240	14	pa/L		09/14/22 09:32	09/15/22 02:28	1
PCB-198/199	ND		240	18	pa/L		09/14/22 09:32	09/15/22 02:28	1
PCB-201	ND		400	49	pa/L		09/14/22 09:32	09/15/22 02:28	1
PCB-202	ND		120	9.0	na/l		09/14/22 09:32	09/15/22 02:28	1
PCB-203			120	13	pg/L		09/14/22 00:32	09/15/22 02:28	1
PCB 204			120	10	pg/L		00/14/22 00:02	00/15/22 02:28	1
PCB-204			120	7.0	pg/L		09/14/22 09:32	09/15/22 02:20	1
			120	7.0	pg/L		09/14/22 09.32	09/15/22 02.20	1
PCB-200			120	7.0	pg/L		09/14/22 09:32	09/15/22 02.28	
PCB-207	ND		120	10	pg/L		09/14/22 09:32	09/15/22 02:28	1
PCB(C) 208	ND		120	55	pg/L		09/14/22 09:32	09/15/22 02:28	1
DCB Decachlorobiphenyl	ND		1000	240	pg/L		09/14/22 09:32	09/15/22 02:28	1
	MB	МВ							
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
PCB-1L	56		15 - 150				09/14/22 09:32	09/15/22 02:28	1
PCB-3L	62		15 - 150				09/14/22 09:32	09/15/22 02:28	1
PCB-4L	52		25 _ 150				09/14/22 09:32	09/15/22 02:28	1
PCB-8L	55		25 - 150				09/14/22 09:32	09/15/22 02:28	1
PCB-15L	61		25 - 150				09/14/22 09:32	09/15/22 02:28	1
PCB-19L	56		25 - 150				09/14/22 09:32	09/15/22 02:28	1
PCB-31L	61		25 - 150				09/14/22 09:32	09/15/22 02:28	1
PCB-32L	58		25 _ 150				09/14/22 09:32	09/15/22 02:28	1
PCB-37L	71		25 - 150				09/14/22 09:32	09/15/22 02:28	1
PCB-47L	63		25 - 150				09/14/22 09:32	09/15/22 02:28	1
PCB-54L	54		25 - 150				09/14/22 09:32	09/15/22 02:28	1
PCB-60L	72		25 _ 150				09/14/22 09:32	09/15/22 02:28	1
PCB-70L	71		25 _ 150				09/14/22 09:32	09/15/22 02:28	1
PCB-77L	73		25 - 150				09/14/22 09:32	09/15/22 02:28	1
PCB-81L	71		25 - 150				09/14/22 09:32	09/15/22 02:28	1
PCB-85L	57		25 - 150				09/14/22 09:32	09/15/22 02:28	1
PCB-95L	72		25 - 150				09/14/22 09:32	09/15/22 02:28	1
PCB-104L	59		25 _ 150				09/14/22 09:32	09/15/22 02:28	1
PCB-105L	78		25 _ 150				09/14/22 09:32	09/15/22 02:28	1
PCB-114L	78		25 - 150				09/14/22 09:32	09/15/22 02:28	1
PCB-118L	77		25 - 150				09/14/22 09:32	09/15/22 02:28	1
PCB-1231	74		25 _ 150				09/14/22 09:32	09/15/22 02:28	1
PCB-126L	74		25 - 150				09/14/22 09:32	09/15/22 02:20	1
PCB-1271	75		25 _ 150				09/14/22 09:32	09/15/22 02:28	1
PCB-155	73		25 _ 150				09/14/22 09:32	09/15/22 02:28	1
	14							J	,

Prep Type: Total/NA

Prep Batch: 295690

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 410-295690/1-A

Matrix: Water Analysis Batch: 295994

	MB	MB				
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-156L/157L	91		25 - 150	09/14/22 09:32	09/15/22 02:28	1
PCB-167L	90		25 - 150	09/14/22 09:32	09/15/22 02:28	1
PCB-169L	89		25 - 150	09/14/22 09:32	09/15/22 02:28	1
PCB-180L	115		25 - 150	09/14/22 09:32	09/15/22 02:28	1
PCB-188L	85		25 - 150	09/14/22 09:32	09/15/22 02:28	1
PCB-189L	93		25 - 150	09/14/22 09:32	09/15/22 02:28	1
PCB-202L	84		25 - 150	09/14/22 09:32	09/15/22 02:28	1
PCB-205L	96		25 - 150	09/14/22 09:32	09/15/22 02:28	1
PCB-206L	92		25 - 150	09/14/22 09:32	09/15/22 02:28	1
PCB-208L	91		25 - 150	09/14/22 09:32	09/15/22 02:28	1
PCB-209L	98		25 - 150	09/14/22 09:32	09/15/22 02:28	1
PCB-128L	87		25 - 150	09/14/22 09:32	09/15/22 02:28	1
PCB-133L	83		25 - 150	09/14/22 09:32	09/15/22 02:28	1
PCB-141L	107		25 - 150	09/14/22 09:32	09/15/22 02:28	1
PCB-162L	109		25 - 150	09/14/22 09:32	09/15/22 02:28	1

Lab Sample ID: LCS 410-295690/2-A Matrix: Water

Analysis Batch: 295994

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
PCB-1	1000	1030		pg/L		103	50 - 150	
PCB-3	1000	940		pg/L		94	50 - 150	
PCB-4	1000	1020		pg/L		102	50 _ 150	
PCB-15	1000	980		pg/L		98	50 - 150	
PCB-19	1000	1030		pg/L		103	50 _ 150	
PCB-37	1000	1080		pg/L		108	50 _ 150	
PCB-54	1000	1040		pg/L		104	50 _ 150	
PCB-77	1000	1050		pg/L		105	50 _ 150	
PCB-81	1000	1170		pg/L		117	50 - 150	
PCB-104	1000	1190		pg/L		119	50 _ 150	
PCB-105	1000	1050		pg/L		105	50 _ 150	
PCB-114	1000	1120		pg/L		112	50 - 150	
PCB-118	1000	1080		pg/L		108	50 _ 150	
PCB-123	1000	1130		pg/L		113	50 - 150	
PCB-126	1000	1100		pg/L		110	50 _ 150	
PCB-155	1000	1140		pg/L		114	50 _ 150	
PCB-156/157	2000	2100		pg/L		105	50 _ 150	
PCB-167	1000	1080		pg/L		108	50 _ 150	
PCB-169	1000	1060		pg/L		106	50 - 150	
PCB-188	1000	1010		pg/L		101	50 _ 150	
PCB-189	1000	1130		pg/L		113	50 _ 150	
PCB-202	1000	1110		pg/L		111	50 _ 150	
PCB-205	1000	1020		pg/L		102	50 _ 150	
PCB-206	1000	869		pg/L		87	50 - 150	
PCB(C) 208	1000	918		pg/L		92	50 - 150	
DCB Decachlorobiphenyl	1000	1040		pg/L		104	50 - 150	

Eurofins Lancaster Laboratories Environment Testing, LLC

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Prep Batch: 295690

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LCS LCS

Isotope Dilution	%Recovery	Qualifier	Limits
PCB-1L	49		15 - 140
PCB-3L	53		15 _ 140
PCB-4L	44		30 - 140
PCB-8L	48		30 - 140
PCB-15L	51		30 - 140
PCB-19L	46		30 - 140
PCB-31L	52		30 - 140
PCB-32L	50		30 _ 140
PCB-37L	65		30 - 140
PCB-47L	56		30 - 140
PCB-54L	49		30 - 140
PCB-60L	65		30 - 140
PCB-70L	64		30 - 140
PCB-77L	69		30 _ 140
PCB-81L	66		30 - 140
PCB-85L	52		30 - 140
PCB-95L	65		30 - 140
PCB-104L	52		30 - 140
PCB-105L	71		30 - 140
PCB-114L	70		30 - 140
PCB-118L	68		30 - 140
PCB-123L	66		30_140
PCB-126/	65		30_140
PCB-127L	66		30 - 140
PCB-155	65		30 - 140
PCB-156L/157L	82		30 140
PCB-167/	80		30 140
PCB-169	78		30 140
PCB-1801	104		30 140
PCB-1881	76		30 140
DCB 1801	70 01		20 140
PCB-109L	01		20 140
	11		20 140
	84		30 - 140
	80		30 - 140
PCB-208L	82		30 - 140
PCB-209L	84		30 - 140
PCB-128L	78		30 - 140
PCB-133L	73		30 - 140
PCB-141L	95		30 - 140
PCB-162L	95		30 - 140

Client: Phase Separation Science, Inc Project/Site: PCB Congeners

QC Association Summary

Job ID: 410-96341-1

Specialty Organics

Prep Batch: 295690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96341-1	22083107-001 Outfall 012	Total/NA	Water	1668C	
410-96341-2	22083107-002 Outfall DP	Total/NA	Water	1668C	
MB 410-295690/1-A	Method Blank	Total/NA	Water	1668C	
LCS 410-295690/2-A	Lab Control Sample	Total/NA	Water	1668C	
Analysis Batch: 295994	4				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
410-96341-1	22083107-001 Outfall 012	Total/NA	Water	1668A	295690
MB 410-295690/1-A	Method Blank	Total/NA	Water	1668A	295690
LCS 410-295690/2-A	Lab Control Sample	Total/NA	Water	1668A	295690
Analysis Batch: 296003	3				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96341-2	22083107-002 Outfall DP	Total/NA	Water	1668A	295690

Client Sample ID: 22083107-001 Outfall 012 Date Collected: 08/30/22 17:10

Date Rece	ived:	08/31/22	18:39

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	1668C			295690	UBKG	ELLE	09/14/22 09:32
Total/NA	Analysis	1668A		1	295994	RGA5	ELLE	09/15/22 09:25

Client Sample ID: 22083107-002 Outfall DP Date Collected: 08/30/22 17:15 Date Received: 08/31/22 18:39

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	1668C			295690	UBKG	ELLE	09/14/22 09:32
Total/NA	Analysis	1668A		1	296003	RGA5	ELLE	09/15/22 00:57

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Job ID: 410-96341-1

Matrix: Water

Matrix: Water

Lab Sample ID: 410-96341-1

Lab Sample ID: 410-96341-2

Eurofins Lancaster Laboratories Environment Testing, LLC

9/15/2022

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority		Program	Identification Number	Expiration Date			
Virginia		NELAP	460182	06-15-23			
The following analytes	are included in this report, I	out the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes for whic			
the agency does not of	Prop Mothod	Matrix	Analyta				
the agency does not of	Prep Method	Matrix	Analyte				
the agency does not of Analysis Method 1668A	Prep Method 1668C	Matrix Water	Analyte PCB-129/138/163				
the agency does not of Analysis Method 1668A 1668A	er certification. <u>Prep Method</u> 1668C 1668C	Matrix Water Water	Analyte PCB-129/138/163 PCB-197/200				

Client: Phase Separation Science, Inc Project/Site: PCB Congeners

Method	Method Description	Protocol	Laboratory
1668A	Chlorinated Biphenyl Congeners (HRGC/HRMS)	EPA	ELLE
1668C	Separatory Funnel (Liquid-Liquid) Extraction	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Phase Separation Science, Inc Project/Site: PCB Congeners

Lab Sample ID	Client Sample ID	Matrix	Collected	Received		
410-96341-1	22083107-001 Outfall 012	Water	08/30/22 17:10	08/31/22 18:39		
410-96341-2	22083107-002 Outfall DP	Water	08/30/22 17:15	08/31/22 18:39		



1.5°C APIBI

Version 1.000

Login Sample Receipt Checklist

True

True

True

True

True

True

False

True

N/A

Client: Phase Separation Science, Inc

Sample containers have legible labels.

Containers are not broken or leaking.

Sample bottles are completely filled.

Sample custody seals are intact.

WV)?

Sample collection date/times are provided.

There is sufficient vol. for all requested analyses.

VOA sample vials do not have headspace >6mm in diameter (none, if from

Is the Field Sampler's name present on COC?

Appropriate sample containers are used.

onment Testing, LLC

Job Number: 410-96341-1

5 15

Login Number: 96341 List Number: 1	List Source: Eurofins Lancaster Laboratories Envi							
Creator: Kanagy, Nicholas								
Question	Answer	Comment						
The cooler's custody seal is intact.	N/A							
The cooler or samples do not appear to have been compromised or tampered with.	True							
Samples were received on ice.	True							
Cooler Temperature is acceptable (=6C, not frozen).</td <td>True</td> <td></td>	True							
Cooler Temperature is recorded.	True							
WV: Container Temperature is acceptable (=6C, not frozen).</td <td>N/A</td> <td></td>	N/A							
WV: Container Temperature is recorded.	N/A							
COC is present.	True							
COC is filled out in ink and legible.	True							
COC is filled out with all pertinent information.	True							
There are no discrepancies between the containers received and the COC.	True							

Received project as a subcontract.



Case Narrative

Project Name: Ft Myer PCB Sampling PSS Project No.: 22083107

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Matrix spike and matrix spike duplicate analyses may not be performed due to insufficient sample quantity. In these instances, a laboratory control sample and laboratory control sample duplicate are analyzed unless otherwise noted or specified in the method.

Sample Receipt:

All sample receipt conditions were acceptable.

22083107: Analyses associated with analyst code 4020 were performed by Eurofins Lancaster Labs - PA, 2425 New Holland Pike, Lancaster, PA 17601 - PA 36-00037 VA 00187

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.

PHASE SEPARATION SCIENCE

CHAIN OF CUSTODY FORM

All fields must be completed accurately. Shaded sections for lab use only.

www.phaseonline.com ~ info@phaseonline.com

6630 Baltimore National Pike • Suite 103-A • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047

1	PSS CLIENT	CLIENT: AECOM OFFICE LOCATION: GERMANTOWN				PSS Work Order #: 22083107								PAGE OF							
	BILL TO (if d	lifferent): AELOM	# 571-	571-2910-9547			Codes: ace Water	DW=Dri	inking V	Vater (GW=Gro	und Wat	er WV	V=Waste	Water	0 =0il	S =S0	il SOL	.=Solid A =Air N	WI=Wipe	
	CONTACT: JEHNY TOILERT EMAIL: jenny. toiler+@aecon.com					in sur	AB	Preser Use (vatives Codes	NIA		-	-							Preservative Codes	
	PROJECT NAME: FT MUER PCB Campling PROJECT #: 60038596					St	G=GP	Analys Method	d	30	/	/	/	/	/	/	/	/		- HCL - H ₂ SO ₄ - HNO	
	SITE LOCATION: 00035910 FOR MYEY P.O. #:					AINEF	YPE: SITE	3	A IS		/	/	/	/	/	/	1	/	/ 4 5	- NaOH - E624KIT	
	SAMPLER(S	Agrima Poudel		DW CERT #:			CONT	PLE T OMPO	her		/	/	///		1		/	1	/	67	- ICE - Sodium Thiosulfate
2	PSS ID	SAMPLE IDENTIFIC	CATION	DATE SAMPLED	TIME	MATRIX Use Codes	# OF	SAMI	t Pa	-/	/	/	/	/	/	/	/	/	/	8 9	- Ascorbic Acid - TerraCore Kit
	1	outfall 012		813012022	1710	SW	1	G	X	1										AIN	Buss
	2	outfall DP		813012022	1715	SW	1	6	Х											NIA	
			Sec. 277			Constant.	1.10														12
	a de	M. Jan Star	and the			1.11															
100		and the second		10.000				1					14								1
	and the		1																		
		10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	Manager Party and Pa				-								2						
	-	and the second second				12				6											
				1						1						-				10	
					and the	1000				1							1		20	5.397.5	7
5	Relinquishe	d By: (1)	Date	Time Received By:					Requested TAT (One TAT per COC)							Ice Present: PRES					
	agama 8		8131122	1018	Tan			1	Next Day			Emergency Other Custo				ody Seal: IMACT-CONTAINEDS				wars	
	Relinquishe	Relinquished By: (2) Date		Time Received By: 1200 Avert			Gr	4	MD DE OTHER			REPORTED TO: # Coordinates PA VA WV Shipp					pping Carrier: TF:				
	Relinquished By: (3) Date			Time	Received By	y:			COMPLIANCE?			Special Instructions: CUSTODY SCALS ON C				m ce	COOLER INTACT, NOT DATED OR				
	Relinquished By: (4) Date				Received By	y:		110	EDD FORMAT TYPE												

This chain of custody is a legal document. The client (PSS Client), by signing, or having client's agent sign, this "Chain of Custody Form", agrees to pay for the above requested services per the latest version of the Service Brochure of PSS-provided quotation agent agent and all attorney's or others in the service becomes necessary.


Sample Receipt Checklist

Project Name:Ft Myer PCB SamplingPSS Project No.:22083107

Client Name	AECOM Technology Corp.		Rece	ived By	Amber	r Cont	fer	
Disposal Date	10/05/2022		Date	Received	08/31/	2022	12:00:00) PM
			Deliv	ered By	Trans	Time	Express	6
			Track	king No	Not Ap	plicabl	le	
			Logged In By			lillian Chanman		
Shipping Conta	niner(s)		2099	ou in Dy	oman	onap	man	
No. of Coolers	5 1 ·							
			lo	e		Pre	esent	
Custody Seal(s) Intact?	N/A	Т	emp (deg (C)	4.	8	
Seal(s) Signed	/ Dated?	N/A	Т	emp Blank	Presen	nt No)	
Documentation			S	ampler Na	me	Agrir	na Poud	lel
COC agrees w	vith sample labels?	Yes	Ν	ID DW Cer	t. No.	N/A		
Chain of Custo	ody	Yes						
Sample Contair	ner		С	ustody Sea	al(s) Inta	act?	Yes	
Appropriate fo	r Specified Analysis?	Yes	S	- Sign (s) Sign		tod	Voc	
Intact?		Yes	0	eal(3) Olyn	ieu / Da	ieu	163	
Labeled and L	abels Legible?	Yes						
Holding Time			Т	otal No. of	Sample	es Ree	ceived	2
All Samples R	eceived Within Holding Time(s)?	Yes	т	otal No. of	Contair	ners R	Received	2
Preservation			•		ooman			_
Total Metals				(pł	1<2)		N/A	
Dissolved Met	als, filtered within 15 minutes of co	ollectio	on	(pł	1<2)		N/A	
Orthophospho	rus, filtered within 15 minutes of c	ollection	on				N/A	
Cyanides				(pł	1 >12)		N/A	
Sulfide				(pł	l>9)		N/A	
TOC, DOC (fie	eld filtered), COD, Phenols			(pł	H<2)		N/A	
TOX, TKN, NH	13, Total Phos			(pł	1<2)		N/A	
VOC, BTEX (\	/OA Vials Rcvd Preserved)			(pł	1<2)		N/A	
Do VOA vials	have zero headspace?						N/A	
624 VOC (Rcv	d at least one unpreserved VOA	vial)					N/A	
524 VOC (Rcv	d with trip blanks)			(pł	1<2)		N/A	

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that are hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice.

Samples Inspected/Checklist Completed By:

Hy Jackson

Date: 08/31/2022

PM Review and Approval:

& Jackson

Lynn Jackson

Date: 08/31/2022

Lynn Jackson Page 37 of 37

Version 1.000

Appendix I – November 2023 Monitoring Event Laboratory Results

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kiera Hearn U.S. Army Corps of Engineers Attn: CENAB-EN_HI PO BOX 1715 Baltimore, Maryland 21203-1715 Generated 12/22/2023 10:02:08 AM

JOB DESCRIPTION

JBMHH Supplemental PCB sampling

JOB NUMBER

410-151123-1

Eurofins Lancaster Laboratories Environment Testing, LLC 2425 New Holland Pike Lancaster PA 17601



Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 12/22/2023 10:02:08 AM

1

5

Authorized for release by Nicole Brown, Project Manager Nicole.Brown@et.eurofinsus.com (717)471-3265

Eurofins Lancaster Laboratories is a laboratory within Eurofins Lancaster Laboratories Environment Testing, LLC, a company within Eurofins Environment Testing Group of Companies

Eurofins Lancaster Laboratories Environment Testing, LLC

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

• QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Definitions/Glossary

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

Job ID: 410-151123-1

3

Qualifiers

Dioxin

Qualifier	Qualifier Description	
cn	Refer to Case Narrative for further detail	
1	Value is EMPC (estimated maximum possible concentration).	5
J	Estimated: The analyte was positively identified; the quantitation is an estimation	
М	Manual integrated compound.	
U	Undetected at the Limit of Detection.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	0
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	Ο
%R	Percent Recovery	
CFL	Contains Free Liquid	9
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDO	Minimum Data stable Concentration (Dadie shamistary)	

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 410-151123-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-151123-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 11/10/2023 4:03 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.0°C and 4.0°C

Hi-Res PCBs

Method 1668C_DOD5: The continuing calibration verification (CCV) associated with batch 410-454840 recovered above the upper control limit for PCB-136 and PCB-144. These limits are considered advisory only.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

Client Sample ID: MP-1

5

Lab Sample ID: 410-151123-1

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	DN	lethod	Ргер Туре
PCB-103	12	J	75	38	10	pg/L	1	_ 1	668C	Total/NA
PCB-105	65	J	75	38	10	pg/L	1	1	668C	Total/NA
PCB-107	15	J	75	38	13	pg/L	1	1	668C	Total/NA
PCB-11	160	J	280	260	100	pg/L	1	1	668C	Total/NA
PCB-110/115	540		150	94	24	pg/L	1	1	668C	Total/NA
PCB-118	220		75	38	16	pg/L	1	1	668C	Total/NA
PCB-128/166	190		150	66	17	pg/L	1	1	668C	Total/NA
PCB-129/138/163	3500		230	100	27	pg/L	1	1	668C	Total/NA
PCB-130	130		75	38	10	pg/L	1	1	668C	Total/NA
PCB-132	860		75	38	10	pg/L	1	1	668C	Total/NA
PCB-133	35	J	75	38	9.4	pg/L	1	1	668C	Total/NA
PCB-134	110		75	38	16	pa/L	1	1	668C	Total/NA
PCB-135/151	1700		150	94	30	pa/L	1	1	668C	Total/NA
PCB-136	440	cn	75	38	14	pa/l	1	1	668C	Total/NA
PCB-141	810		75	19	5.6	pg/l	1	1	668C	Total/NA
PCB-144	200	cn	75	47	20	pg/L			668C	Total/NA
PCB-146	490	on	75	38	94	pg/L	1	1	668C	Total/NA
PCB-147/149	3000		150	75	10	pg/∟ pg/l	1	1	668C	Total/NA
PCB-153/168	3500		150	75	17	pg/∟ pg/l	· · · · · · · · · · · · · · · · · · ·	· · · · ¦	6680	Total/NA
PCB 156/157	170		150	75	27	pg/∟ pg/l	1	1	6680	Total/NA
PCB-150/157	260		75	29	10	pg/∟ pg/l	1	1	6680	
PCB-130	200		75	30	10	pg/∟			0000	Total/NA
PCB-159	42	J	75	47	10	pg/∟ ¤¤/l	1	1		Total/NA
PCB-16	070	J	30	20	13	pg/∟	1	1		
PCB-164	270		/5	19	6.6	pg/L	1	1	668C	Iotal/NA
PCB-167	69	J	75	38	10	pg/L	1	1	668C	
PCB-17	19	J	38	28	10	pg/L	1	1	668C	Iotal/NA
PCB-170	1500		75	38	10	pg/L	1	1	668C	Iotal/NA
PCB-1/1/1/3	440		150	47	15	pg/L	1	1	668C	Total/NA
PCB-172	290		75	28	8.4	pg/L	1	1	668C	Total/NA
PCB-174	1600		75	38	10	pg/L	1	1	668C	Total/NA
PCB-175	61	J	75	38	11	pg/L	1	1	668C	Total/NA
PCB-176	220		75	19	5.6	pg/L	1	1	668C	Total/NA
PCB-177	880		75	28	8.4	pg/L	1	1	668C	Total/NA
PCB-178	380		75	56	14	pg/L	1	1	668C	Total/NA
PCB-179	690		75	28	8.4	pg/L	1	1	668C	Total/NA
PCB-18/30	27	J	75	47	23	pg/L	1	1	668C	Total/NA
PCB-180/193	3200		150	66	18	pg/L	1	1	668C	Total/NA
PCB-183/185	1100		150	75	21	pg/L	1	1	668C	Total/NA
PCB-187	2100		75	38	10	pg/L	1	1	668C	Total/NA
PCB-189	52	J	75	38	14	pg/L	1	1	668C	Total/NA
PCB-190	340		75	38	15	pg/L	1	1	668C	Total/NA
PCB-191	62	J	75	28	9.4	pg/L	1	1	668C	Total/NA
PCB-194	710		110	38	11	pg/L	1	1	668C	Total/NA
PCB-195	330		110	47	13	pg/L	1	1	668C	Total/NA
PCB-196	410		110	38	10	pg/L	1	1	668C	Total/NA
PCB-198/199	840		230	47	17	pg/L	1	1	668C	Total/NA
PCB-20/28	42	J	75	56	26	pg/L	1	1	668C	Total/NA
PCB-201	97	J	380	180	46	pg/L	1	1	668C	Total/NA
PCB-202	140		110	28	8.4	pg/L	1	1	668C	Total/NA
PCB-203	510		110	47	12	pg/L	1	1	668C	Total/NA
PCB-205	51	J	110	19	6.6	pg/L	1	1	668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MP-1 (Continued)

Lab Sample ID: 410-151123-1

5
8
9
13

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
PCB-206	180		110	19	6.6	pg/L	1	_	1668C	Total/NA
PCB-207	22	J	110	38	9.4	pg/L	1		1668C	Total/NA
PCB-22	16	J	38	28	13	pg/L	1		1668C	Total/NA
PCB-31	38		38	28	13	pg/L	1		1668C	Total/NA
PCB-32	18	J	38	19	7.5	pg/L	1		1668C	Total/NA
PCB-37	13	J	38	19	7.5	pa/L	1		1668C	Total/NA
PCB-40/71	28	JM	150	56	15	ng/l			1668C	Total/NA
PCB-42	19		75	38	10	pg/L	1		16680	Total/NA
	150		230	84	23	pg/∟ pg/l	1		16680	Total/NA
	130		230	20	23	pg/L	1		16690	Total/NA
	11	J	75	20	0.4	pg/L	1		10000	
PCB-49/09	56	J	150	66	17	pg/L	1		10080	Total/NA
PCB-51	58	J	/5	47	12	pg/L	1		1668C	Iotal/NA
PCB-52	86		75	38	11	pg/L	1		1668C	Total/NA
PCB-56	14	J	75	38	13	pg/L	1		1668C	Total/NA
PCB-58	15	J	75	38	10	pg/L	1		1668C	Total/NA
PCB-60	8.4	J	75	28	8.4	pg/L	1		1668C	Total/NA
PCB-61/70/74/76	65	J	300	110	28	pg/L	1		1668C	Total/NA
PCB-64	31	JM	75	38	9.4	pg/L	1		1668C	Total/NA
PCB-66	30	J	75	38	10	pg/L	1		1668C	Total/NA
PCB-8	16	JI	38	31	15	pg/L	1		1668C	Total/NA
PCB-82	20	JI	75	38	12	pa/L	1		1668C	Total/NA
PCB-83	23	JIM	75	38	14	ng/l	1		1668C	Total/NA
PCB-84	_0 50	.1	75	56	23	ng/l	1		16680	Total/NA
PCB-85/116/117	37	J	230	120	20	pg/L	1		16680	Total/NA
	210		250	290	140	pg/L	1		16690	Total/NA
PCB-00/07/97/109/119/1	210	JIM	450	200	140	pg/L	1		10000	TOTAI/INA
20 PCB-90/101/113	890		230	110	38	na/l	1		16680	Total/NA
DCB-01	48	1	250	38	14	pg/L	1		16680	Total/NA
	40	J	75		14	pg/∟ na/l	1		10000	Total/NA
	130		75	30	11	pg/L	1		10000	
PCB-93/100	20	J	150	75	23	pg/L	1		10080	Total/INA
PCB-95	560		/5	38	11	pg/L	1		1668C	Iotal/NA
PCB-99	110	M	75	38	11	pg/L	1		1668C	Total/NA
Total Dichlorobiphenyls	180	I	38	30	15	pg/L	1		1668C	Total/NA
Total Trichlorobiphenyls	190	I	38	19	7.5	pg/L	1		1668C	Total/NA
Total	570	I	75	28	8.4	pg/L	1		1668C	Total/NA
Tetrachlorobiphenyls										
Total	3000	I	75	19	6.6	pg/L	1		1668C	Total/NA
Pentachlorobiphenyls	40000			10					40000	T (1010
Total	16000	I	75	19	5.6	pg/L	1		1668C	Iotal/NA
Hexachioropiphenyis	12000		75	10	5.6	ng/l			16690	Totol/NIA
Iotal Hontopharobinhonyla	13000		75	19	0.0	pg/L	1		10000	Total/INA
Total	3200		110	10	6.6	na/l	1		16680	Total/NA
Octachlorobinhenvis	5200		110	13	0.0	P9/L	1		10000	
Total	200		110	19	66	pa/l	1		1668C	Total/NA
Nonachlorobiphenvls	200				0.0	1.9	·			
Polychlorinated	36000	1	38	19	5.6	pg/L	1		1668C	Total/NA
biphenyls, Total						-				
PCB-197/200	140	J	230	47	13	pg/L	1		1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

Client Sample ID: MP-2

Lab Sample ID: 410-151123-2

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac D	Method	Prep Type
PCB-105	17	J	80	40	11	pg/L	1	1668C	Total/NA
PCB-11	160	JM	300	280	110	pg/L	1	1668C	Total/NA
PCB-110/115	64	J	160	100	26	pg/L	1	1668C	Total/NA
PCB-118	37	JM	80	40	17	pg/L	1	1668C	Total/NA
PCB-129/138/163	88	J	240	110	29	pg/L	1	1668C	Total/NA
PCB-132	27	J	80	40	11	pg/L	1	1668C	Total/NA
PCB-141	14	J	80	20	6.0	pg/L	1	1668C	Total/NA
PCB-146	11	J	80	40	10	pg/L	1	1668C	Total/NA
PCB-147/149	55	J	160	80	20	pg/L	1	1668C	Total/NA
PCB-153/168	63	J	160	80	18	pg/L	1	1668C	Total/NA
PCB-170	17	J	80	40	11	pg/L	1	1668C	Total/NA
PCB-174	22	J	80	40	11	pg/L	1	1668C	Total/NA
PCB-177	11	J	80	30	9.0	pg/L	1	1668C	Total/NA
PCB-179	10	J	80	30	9.0	pg/L	1	1668C	Total/NA
PCB-180/193	46	J	160	70	19	pg/L	1	1668C	Total/NA
PCB-187	35	J	80	40	11	pa/L	1	1668C	Total/NA
PCB-194	22	J	120	40	12	pa/L	1	1668C	Total/NA
PCB-198/199	25	J	240	50	18	pg/L	1	1668C	Total/NA
PCB-206	17	JM	120	20	7.0	pa/L	1	1668C	Total/NA
PCB-44/47/65	24	J	240	90	24	pg/L	1	1668C	Total/NA
PCB-52	21	J	80	40	12	pg/L	1	1668C	Total/NA
PCB-66	11	J	80	40	11	pa/L	1	1668C	Total/NA
PCB-90/101/113	55	J	240	120	40	pg/L	1	1668C	Total/NA
PCB-95	34	JM	80	40	12	pg/L	1	1668C	Total/NA
PCB-99	19	J	80	40	12	pg/L	1	1668C	Total/NA
Total Dichlorobiphenvls	160	I	40	32	16	pa/L	1	1668C	Total/NA
Total	56	JI	80	30	9.0	pa/L	1	1668C	Total/NA
Tetrachlorobiphenyls						15			
Total	230	I	80	20	7.0	pg/L	1	1668C	Total/NA
Pentachlorobiphenyls									
Total	260	I	80	20	6.0	pg/L	1	1668C	Total/NA
Hexachlorobiphenyls	140		80	20	6.0	~~/l	4	16690	
10121 Hentachlorohinhenvls	140	1	80	20	0.0	pg/L	ļ	10000	TOTAI/INA
Total	47		120	20	7 0	pa/l		1668C	Total/NA
Octachlorobiphenyls	11	•	.20	20		r 9' L			10(0)101
Total	17	JI	120	20	7.0	pg/L	1	1668C	Total/NA
Nonachlorobiphenyls									
Polychlorinated	910	I	40	20	6.0	pg/L	1	1668C	Total/NA
biphenyls, Total									

Client Sample ID: MP-3

Lab Sample ID: 410-151123-3

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
PCB-105	46	J	75	37	10	pg/L	1	_	1668C	Total/NA
PCB-11	450		280	260	100	pg/L	1		1668C	Total/NA
PCB-110/115	170		150	94	24	pg/L	1		1668C	Total/NA
PCB-118	110		75	37	16	pg/L	1		1668C	Total/NA
PCB-128/166	34	J	150	66	17	pg/L	1		1668C	Total/NA
PCB-129/138/163	300		220	100	27	pg/L	1		1668C	Total/NA
PCB-130	17	J	75	37	10	pg/L	1		1668C	Total/NA
PCB-132	90		75	37	10	pg/L	1		1668C	Total/NA
PCB-135/151	94	J	150	94	30	pg/L	1		1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MP-3 (Continued)

Lab Sample ID: 410-151123-3

Analyte	Result	Qualifier	100		ום	Unit	Dil Fac	п	Method	Pren Tyne
PCB-136	33	J cn		37	14	pg/L	1	_	1668C	Total/NA
PCB-137	11	J	75	37	11	pa/l			1668C	Total/NA
PCB-141	49	J	75	19	56	pg/L	1		1668C	Total/NA
PCB-146	35	J	75	37	9.0	pg/L			1668C	Total/NA
PCB-147/149	190	0	150	75	19	pg/L	1		1668C	Total/NA
PCB-153/168	230		150	75	17	pg/L	1		1668C	Total/NA
PCB-158	200	1	75	37	10	pg/⊑	1		1668C	Total/NA
PCB-164	20	J	75	19	6.6	pg/L	1		1668C	Total/NA
PCB-170	68	5	75	37	10	pg/⊑ pg/l	1		16680	Total/NA
PCB-171/173	23	J	150	47	10	pg/∟ pg/l	1		1668C	Total/NA
PCB-172	16	5	75	28	84	pg/L	1		1668C	Total/NA
PCB-174	86	5	75	37	10	pg/∟ pg/l	1		16680	Total/NA
DCB 176	12		75	10	56	pg/∟ ng/l	1		16680	Total/NA
	12	J	75	19	0.0	pg/∟ ng/l	1		16690	
	44 04	J	75	20	0.4	pg/∟ pg/l	1		10000	Total/NA
PCD-170	24	J	75	00	0.4	pg/∟ ¤g/l	1		10000	Total/NA
FUD-1/9	3/	J	10	28	ö.4	pg/∟ pg/l	1		10000	
FUD-100/193	001	1	150	00	18	pg/∟ pg/l	1		10000	
FUD-103/103	10	J	150	10	21	pg/∟	1		10000	
PCB-187	130		75	37	10	pg/L	1		16680	Total/NA
PCB-190	15	J	75	37	15	pg/L	1		1668C	Iotal/NA
PCB-194	51	J	110	37	11	pg/L	1		1668C	Iotal/NA
PCB-195	16	JM	110	47	13	pg/L	1		1668C	Iotal/NA
PCB-196	30	J	110	37	10	pg/L	1		1668C	Total/NA
PCB-198/199	73	J	220	47	17	pg/L	1		1668C	Total/NA
PCB-202	9.8	JIM	110	28	8.4	pg/L	1		1668C	Total/NA
PCB-203	35	J	110	47	12	pg/L	1		1668C	Total/NA
PCB-206	35	JM	110	19	6.6	pg/L	1		1668C	Total/NA
PCB-31	19	J	37	28	13	pg/L	1		1668C	Total/NA
PCB-37	12	J	37	19	7.5	pg/L	1		1668C	Total/NA
PCB-44/47/65	40	J	220	84	22	pg/L	1		1668C	Total/NA
PCB-52	56	J	75	37	11	pg/L	1		1668C	Total/NA
PCB-56	14	J	75	37	13	pg/L	1		1668C	Total/NA
PCB-61/70/74/76	66	J	300	110	28	pg/L	1		1668C	Total/NA
PCB-64	13	J	75	37	9.4	pg/L	1		1668C	Total/NA
PCB-66	26	J	75	37	10	pg/L	1		1668C	Total/NA
PCB-82	16	J	75	37	12	pg/L	1		1668C	Total/NA
PCB-84	37	J	75	56	23	pg/L	1		1668C	Total/NA
PCB-90/101/113	150	J	220	110	37	pg/L	1		1668C	Total/NA
PCB-91	16	J	75	37	14	pg/L	1		1668C	Total/NA
PCB-92	24	J	75	37	11	pg/L	1		1668C	Total/NA
PCB-95	99		75	37	11	pg/L	1		1668C	Total/NA
PCB-99	48	J	75	37	11	pg/L	1		1668C	Total/NA
Total Dichlorobiphenyls	450	I	37	30	15	pg/L	1		1668C	Total/NA
Total Trichlorobiphenyls	31	JI	37	19	7.5	pg/L	1		1668C	Total/NA
Total	220	I	75	28	8.4	pg/L	1		1668C	Total/NA
Tetrachlorobiphenyls			-	-						-
Total	720	I	75	19	6.6	pg/L	1		1668C	Total/NA
Pentachlorobiphenyls										
Total	1100	I	75	19	5.6	pg/L	1		1668C	Total/NA
Hexachlorobiphenyls	000			10		··· ·· /!			40000	T. 4 . 1/0 1 A
10tal Hentachlorohinhenvis	080	I	/5	19	5.6	pg/∟	1		10080	iotal/INA

This Detection Summary does not include radiochemical test results.

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

Client Sample ID: MP-3 (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D Method	Prep Type
Total	210	I	110	19	6.6	pg/L	1	1668C	Total/NA
Octachlorobiphenyls									
Total	35	JI	110	19	6.6	pg/L	1	1668C	Total/NA
Nonachlorobiphenyls									
Polychlorinated	3500	I	37	19	5.6	pg/L	1	1668C	Total/NA
biphenyls, Total									

Client Sample ID: MP-4

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
PCB-110/115	120	J	150	94	24	pg/L	1	_	1668C	Total/NA
PCB-118	39	JM	75	38	16	pg/L	1		1668C	Total/NA
PCB-128/166	42	J	150	66	17	pg/L	1		1668C	Total/NA
PCB-129/138/163	860		230	100	27	pg/L	1		1668C	Total/NA
PCB-130	33	J	75	38	10	pg/L	1		1668C	Total/NA
PCB-132	210		75	38	10	pg/L	1		1668C	Total/NA
PCB-133	15	J	75	38	9.4	pg/L	1		1668C	Total/NA
PCB-134	25	J	75	38	16	pg/L	1		1668C	Total/NA
PCB-135/151	410		150	94	30	pg/L	1		1668C	Total/NA
PCB-136	110	cn	75	38	14	pg/L	1		1668C	Total/NA
PCB-141	170		75	19	5.6	pg/L	1		1668C	Total/NA
PCB-144	42	J cn	75	47	20	pg/L	1		1668C	Total/NA
PCB-146	150		75	38	9.4	pg/L	1		1668C	Total/NA
PCB-147/149	700		150	75	19	pg/L	1		1668C	Total/NA
PCB-153/168	930		150	75	17	pg/L	1		1668C	Total/NA
PCB-156/157	40	J	150	75	27	pg/L	1		1668C	Total/NA
PCB-158	56	J	75	38	10	pg/L	1		1668C	Total/NA
PCB-164	70	J	75	19	6.6	pg/L	1		1668C	Total/NA
PCB-167	19	J	75	38	10	pg/L	1		1668C	Total/NA
PCB-170	230		75	38	10	pg/L	1		1668C	Total/NA
PCB-171/173	85	J	150	47	15	pg/L	1		1668C	Total/NA
PCB-172	50	J	75	28	8.5	pg/L	1		1668C	Total/NA
PCB-174	290		75	38	10	pg/L	1		1668C	Total/NA
PCB-175	13	J	75	38	11	pg/L	1		1668C	Total/NA
PCB-176	43	J	75	19	5.6	pg/L	1		1668C	Total/NA
PCB-177	170		75	28	8.5	pg/L	1		1668C	Total/NA
PCB-178	81		75	56	14	pg/L	1		1668C	Total/NA
PCB-179	130		75	28	8.5	pg/L	1		1668C	Total/NA
PCB-180/193	590		150	66	18	pg/L	1		1668C	Total/NA
PCB-183/185	200		150	75	21	pg/L	1		1668C	Total/NA
PCB-187	430		75	38	10	pg/L	1		1668C	Total/NA
PCB-190	49	J	75	38	15	pg/L	1		1668C	Total/NA
PCB-191	11	J	75	28	9.4	pg/L	1		1668C	Total/NA
PCB-194	100	J	110	38	11	pg/L	1		1668C	Total/NA
PCB-195	45	J	110	47	13	pg/L	1		1668C	Total/NA
PCB-196	65	J	110	38	10	pg/L	1		1668C	Total/NA
PCB-198/199	120	J	230	47	17	pg/L	1		1668C	Total/NA
PCB-202	20	J	110	28	8.5	pg/L	1		1668C	Total/NA
PCB-203	69	J	110	47	12	pg/L	1		1668C	Total/NA
PCB-205	7.6	J	110	19	6.6	pg/L	1		1668C	Total/NA
PCB-206	23	JM	110	19	6.6	pg/L	1		1668C	Total/NA
PCB-52	21	J	75	38	11	pg/L	1		1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Job ID: 410-151123-1

Lab Sample ID: 410-151123-3

Lab Sample ID: 410-151123-4

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

Client Sample ID: MP-4 (Continued)

Lab Sample ID: 410-151123-4

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac D	Method	Prep Type
PCB-90/101/113	260		230	110	38	pg/L	1	1668C	Total/NA
PCB-92	41	J	75	38	11	pg/L	1	1668C	Total/NA
PCB-95	170		75	38	11	pg/L	1	1668C	Total/NA
PCB-99	33	J	75	38	11	pg/L	1	1668C	Total/NA
Total	21	JI	75	28	8.5	pg/L	1	1668C	Total/NA
Tetrachlorobiphenyls									
Total	660	I	75	19	6.6	pg/L	1	1668C	Total/NA
Pentachlorobiphenyls									
Total	3900	I	75	19	5.6	pg/L	1	1668C	Total/NA
Hexachlorobiphenyls									
Total	2400		75	19	5.6	pg/L	1	1668C	Total/NA
Heptachlorobiphenyls									
Total	450		110	19	6.6	pg/L	1	1668C	Total/NA
Octachlorobiphenyls									
Total	23	J	110	19	6.6	pg/L	1	1668C	Total/NA
Nonachlorobiphenyls									
Polychlorinated	7400	I	38	19	5.6	pg/L	1	1668C	Total/NA
biphenyls, Total									
PCB-197/200	22	J	230	47	13	pg/L	1	1668C	Total/NA

Client Sample ID: MP-5

Lab Sample ID: 410-151123-5

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
PCB-103	16	J	75	38	10	pg/L	1	_	1668C	Total/NA
PCB-105	85		75	38	10	pg/L	1		1668C	Total/NA
PCB-107	20	JIM	75	38	13	pg/L	1		1668C	Total/NA
PCB-11	180	J	280	260	100	pg/L	1		1668C	Total/NA
PCB-110/115	640		150	94	24	pg/L	1		1668C	Total/NA
PCB-118	270		75	38	16	pg/L	1		1668C	Total/NA
PCB-128/166	240		150	66	17	pg/L	1		1668C	Total/NA
PCB-129/138/163	4500		230	100	27	pg/L	1		1668C	Total/NA
PCB-130	160		75	38	10	pg/L	1		1668C	Total/NA
PCB-132	1100		75	38	10	pg/L	1		1668C	Total/NA
PCB-133	44	J	75	38	9.4	pg/L	1		1668C	Total/NA
PCB-134	120		75	38	16	pg/L	1		1668C	Total/NA
PCB-135/151	2100		150	94	30	pg/L	1		1668C	Total/NA
PCB-136	550	cn	75	38	14	pg/L	1		1668C	Total/NA
PCB-141	1000		75	19	5.6	pg/L	1		1668C	Total/NA
PCB-144	250	cn	75	47	20	pg/L	1		1668C	Total/NA
PCB-146	610		75	38	9.4	pg/L	1		1668C	Total/NA
PCB-147/149	3800		150	75	19	pg/L	1		1668C	Total/NA
PCB-153/168	4500		150	75	17	pg/L	1		1668C	Total/NA
PCB-156/157	220		150	75	27	pg/L	1		1668C	Total/NA
PCB-158	330		75	38	10	pg/L	1		1668C	Total/NA
PCB-159	52	J	75	47	13	pg/L	1		1668C	Total/NA
PCB-16	16	J	38	28	13	pg/L	1		1668C	Total/NA
PCB-164	350		75	19	6.6	pg/L	1		1668C	Total/NA
PCB-167	93		75	38	10	pg/L	1		1668C	Total/NA
PCB-17	19	J	38	28	10	pg/L	1		1668C	Total/NA
PCB-170	1900		75	38	10	pg/L	1		1668C	Total/NA
PCB-171/173	580		150	47	15	pg/L	1		1668C	Total/NA
PCB-172	370		75	28	8.4	pg/L	1		1668C	Total/NA
PCB-174	2200		75	38	10	pg/L	1		1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MP-5 (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	DN	lethod	Prep Type
PCB-175	84		75	38	11	pg/L	1	_ 1	668C	Total/NA
PCB-176	290		75	19	5.6	pg/L	1	1	668C	Total/NA
PCB-177	1200		75	28	8.4	pg/L	1	1	668C	Total/NA
PCB-178	530		75	56	14	pg/L	1	1	668C	Total/NA
PCB-179	930		75	28	8.4	pg/L	1	1	668C	Total/NA
PCB-18/30	31	J	75	47	23	pg/L	1	1	668C	Total/NA
PCB-180/193	4200		150	66	18	pg/L	1	1	668C	Total/NA
PCB-183/185	1500		150	75	21	pg/L	1	1	668C	Total/NA
PCB-187	2800		75	38	10	pg/L	1	1	668C	Total/NA
PCB-189	71	JM	75	38	14	pg/L	1	1	668C	Total/NA
PCB-190	430		75	38	15	pg/L	1	1	668C	Total/NA
PCB-191	71	J	75	28	9.4	pg/L	1	1	668C	Total/NA
PCB-194	970		110	38	11	pg/L	1	1	668C	Total/NA
PCB-195	440		110	47	13	pa/L	1	1	668C	Total/NA
PCB-196	560		110	38	10	pa/L	1	1	668C	Total/NA
PCB-198/199	1100		230	47	17	pa/L	1	1	668C	Total/NA
PCB-20/28	54	J	75	56	26	pg/L	1	1	668C	Total/NA
PCB-201	130	J	380	180	46	pa/L	1	1	668C	Total/NA
PCB-202	190		110	28	8.4	pa/L	1	1	668C	Total/NA
PCB-203	690		110	47	12	pa/L	1	1	668C	Total/NA
PCB-205	66	Л	110	19	6.6	pa/l	1	1	668C	Total/NA
PCB-206	260		110	19	6.6	ng/l	1		668C	Total/NA
PCB-207	34	Л	110	38	9.0	pg/L	1	1	668C	Total/NA
PCB-21/33	29	.l	75	56	27	pg/L	1	1	668C	Total/NA
PCB-22	19		38	28	13	pg/⊏ ng/l	1	1	668C	Total/NA
PCB-31	10	0	38	28	13	pg/L	1	1	668C	Total/NA
PCB-32		1	38	19	75	pg/L	1	1	668C	Total/NA
PCB-37	18	J	38	19	7.5	pg/∟ ng/l	1		668C	Total/NA
PCB-40/71	32	1	150	56	1.0	pg/L	1	1	6680	Total/NA
PCB-42	17	3	75	38	11	pg/L	1	1	668C	Total/NA
DCB-41/47/65	100	J	230	84	23	pg/∟ ng/l	1		668C	Total/NA
PCB-44/47/03	130	J	250	28	20	pg/∟ ng/l	1	1	6680	Total/NA
PCB-40/60	60	1	150	20 66	17	pg/∟ ng/l	1	1	6680	Total/NA
DCB-51	76	5	75	47	12	pg/∟ ng/l	1		668C	Total/NA
PCB-52	100		75	-1/	11	pg/∟ ng/l	1	1	6680	Total/NA
PCB-56	100	1	75	38	13	pg/∟ ng/l	1	1	6680	Total/NA
PCB-58	10	IM	75	38	10	pg/∟ ng/l	1		6680	Total/NA
PCB-60	85		75	28	84	pg/∟ ng/l	1	1	6680	Total/NA
PCB-61/70/74/76	70	J	300	110	28	pg/∟ ng/l	1	1	6680	Total/NA
PCB-6/	21	J	75	38	20	pg/∟ ng/l	1		6680	Total/NA
DCR 66	37	J	75	39	J.4 10	pg/∟ pg/l	1	1	6680	Total/NA
	24	J	20	31	10	pg/∟ pg/l	1	1	6680	Total/NA
PCB-82	24		75	38	10	pg/∟ ng/l	1		6680	Total/NA
DCB-83	25		75	20	17	pg/⊏ ng/l	1	1	6680	
PCB-84	00 60	I	75	50	14 00	pg/∟ ng/l	1	1	6680	Total/NA
DCR 95/116/117	00	J	10 000	100	20	pg/∟	 	ا م	6680	
	43	J	230	120	32	pg/∟ pg/!	1	1 م	6680	
25	240	5 101	400	200	140	P9/∟		1	0000	TOTAI/INA
PCB-90/101/113	1000		230	110	38	pa/L	1	1	668C	Total/NA
PCB-91	61		75	38	14	pa/L	1		668C	Total/NA
PCB-92	150		75	38	11	pg/L	1	1	668C	Total/NA

This Detection Summary does not include radiochemical test results.

LOD

75

DL Unit

23 pg/L

LOQ

150

110

38

Client Sample ID: MP-5 (Continued)

Result Qualifier

31 J

13 JI

47 I

Prep Type

Total/NA

Total/NA

Total/NA

Lab Sample ID: 410-151123-5

Dil Fac D Method

1

1668C

1668C

1668C

1

1

5	
8	
9	

PCB-95	680		75	38	11	pg/L	1	1668C	Total/NA
PCB-99	130	Μ	75	38	11	pg/L	1	1668C	Total/NA
Total Dichlorobiphenyls	200	I	38	30	15	pg/L	1	1668C	Total/NA
Total Trichlorobiphenyls	260	1	38	19	7.5	pg/L	1	1668C	Total/NA
Total	680	I	75	28	8.4	pg/L	1	1668C	Total/NA
Tetrachlorobiphenyls									
Total	3500	I	75	19	6.6	pg/L	1	1668C	Total/NA
Pentachlorobiphenyls									
Total	20000		75	19	5.6	pg/L	1	1668C	Total/NA
Hexachlorobiphenyls									
Total	17000		75	19	5.6	pg/L	1	1668C	Total/NA
Heptachlorobiphenyls									
Total	4300		110	19	6.6	pg/L	1	1668C	Total/NA
Octachlorobiphenyls									
Total	290		110	19	6.6	pg/L	1	1668C	Total/NA
Nonachlorobiphenyls									
Polychlorinated	46000	I	38	19	5.6	pg/L	1	1668C	Total/NA
biphenyls, Total									
PCB-197/200	180	J	230	47	13	pg/L	1	1668C	Total/NA
Client Sample ID:	Field Bla	nk					Lab Sa	mple ID: 4	10-151123-6
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac D	Method	Prep Type
PCB-194	17	J	110	38	11	pg/L	1	1668C	Total/NA
PCB-198/199	17	J	230	47	17	pg/L	1	1668C	Total/NA
PCB-206	13	JMI	110	19	6.6	pg/L	1	1668C	Total/NA
Total	34	JI	110	19	6.6	pg/L	1	1668C	Total/NA
Octachlorobiphenyls									

19

19

6.6 pg/L

5.7 pg/L

biphenyls, Total

Polychlorinated

Nonachlorobiphenyls

Total

С

Analyte

PCB-93/100

This Detection Summary does not include radiochemical test results.

5

6

Lab Sample ID: 410-151123-1 Matrix: Water

Date Collected: 11/10/23 09:25 Date Received: 11/10/23 16:03

Client Sample ID: MP-1

Method: EPA 1668C - Chlorinated Bipheny	I Congeners	(HRGC/HRM	/IS)					
Analyte Resu	lt Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1 6	6 U M	190	66	17	pg/L		12/17/23 08:15	1
PCB-10 4	1 U	42	41	21	pg/L		12/17/23 08:15	1
PCB-103 1	2 J	75	38	10	pg/L		12/17/23 08:15	1
PCB-104 3	8 U	75	38	16	pg/L		12/17/23 08:15	1
PCB-105 6	5 J	75	38	10	pg/L		12/17/23 08:15	1
PCB-106 3	8 U	75	38	18	pg/L		12/17/23 08:15	1
PCB-107 1	5 J	75	38	13	pg/L		12/17/23 08:15	1
PCB-108/124 7	5 U	150	75	24	pg/L		12/17/23 08:15	1
PCB-11 16	0 J	280	260	100	pg/L		12/17/23 08:15	1
PCB-110/115 54	0	150	94	24	pg/L		12/17/23 08:15	1
PCB-111 3	8 U	75	38	12	pg/L		12/17/23 08:15	1
PCB-112 3	8 U	75	38	15	pg/L		12/17/23 08:15	1
PCB-114 3	8 U	75	38	17	pg/L		12/17/23 08:15	1
PCB-118 22	0	75	38	16	pg/L		12/17/23 08:15	1
PCB-12/13 6	6 U	75	66	32	pg/L		12/17/23 08:15	1
PCB-120 3	8 U	75	38	13	pg/L		12/17/23 08:15	1
PCB-121 3	8 U	75	38	11	pg/L		12/17/23 08:15	1
PCB-122 3	8 U	75	38	11	pg/L		12/17/23 08:15	1
PCB-123 6	6 U	75	66	21	pg/L		12/17/23 08:15	1
PCB-126 6	6 U	75	66	27	pg/L		12/17/23 08:15	1
PCB-127 1	9 U	75	19	6.6	pg/L		12/17/23 08:15	1
PCB-128/166 19	0	150	66	17	pg/L		12/17/23 08:15	1
PCB-129/138/163 350	0	230	100	27	pa/L		12/17/23 08:15	1
PCB-130 13	0	75	38	10	pa/L		12/17/23 08:15	1
PCB-131 3	8 U	75	38	11	pa/L		12/17/23 08:15	1
PCB-132 86	0	75	38	10	pa/L		12/17/23 08:15	1
PCB-133 3	- 5.J	75	38	9.4	pa/L		12/17/23 08:15	1
PCB-134 11	0	75	38	16	pa/L		12/17/23 08:15	1
PCB-135/151 170	0	150	94	30	pa/L		12/17/23 08:15	1
PCB-136 44	o cn	75	38	14	pa/L		12/17/23 08:15	1
PCB-137 3	8 U	75	38	11	pa/L		12/17/23 08:15	1
PCB-139/140 6	6 U	150	66	18	pa/L		12/17/23 08:15	1
PCB-14 3	8 U	42	38	19	pa/L		12/17/23 08:15	1
PCB-141 81	 0	75	19	5.6	pa/L		12/17/23 08:15	
PCB-142 2	8 U	75	28	8.4	pa/L		12/17/23 08:15	1
PCB-143 3	8 U M	75	38	10	pa/L		12/17/23 08:15	1
PCB-144 20	0 cn	75	47	20	pa/L		12/17/23 08:15	
PCB-145 4	7 U	75	47	22	pa/L		12/17/23 08:15	1
PCB-146 49	0	75	38	9.4	pa/L		12/17/23 08:15	1
PCB-147/149 300	0	150	75	19	pa/L		12/17/23 08:15	
PCB-148 3	8 U	75	38	15	na/l		12/17/23 08:15	1
PCB-15 3	8 U	42	38	19	na/l		12/17/23 08:15	1
PCB-150 3	 8 U	75	38	18	na/l		12/17/23 08:15	
PCB-152 3	8 U	75	38	13	na/l		12/17/23 08:15	1
PCR-153/168 250	 N	150	75	17	na/l		12/17/23 08:15	1
PCB-154 0	4 1	190	9 <u>4</u>	42	na/l		12/17/23 08:15	
PCB-155 3	8 U	75	38	ہ کے ت	rg,⊢ na/l		12/17/23 08:15	1
PCB-156/157 17	0	150	75	27	na/l		12/17/23 08:15	1
PCB-158 26	• n	75	38	10	pa/l		12/17/23 08:15	

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-1 Date Collected: 11/10/23 09:25 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-1 Matrix: Water

5 6

Method: EPA 1668C - C	hlorinated Biphenyl	Congeners	(HRGC/HR	NS) (Conti	nued)				
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-159	42	J	75	47	13	pg/L		12/17/23 08:15	1
PCB-16	15	J	38	28	13	pg/L		12/17/23 08:15	1
PCB-160	38	U	75	38	11	pg/L		12/17/23 08:15	1
PCB-161	38	U	75	38	9.4	pg/L		12/17/23 08:15	1
PCB-162	28	UМ	75	28	8.4	pg/L		12/17/23 08:15	1
PCB-164	270		75	19	6.6	pg/L		12/17/23 08:15	1
PCB-165	38	U	75	38	9.4	pg/L		12/17/23 08:15	1
PCB-167	69	J	75	38	10	pg/L		12/17/23 08:15	1
PCB-169	38	U	75	38	17	pg/L		12/17/23 08:15	1
PCB-17	19	J	38	28	10	pg/L		12/17/23 08:15	1
PCB-170	1500	-	75	38	10	pa/L		12/17/23 08:15	1
PCB-171/173	440		150	47	15	pa/L		12/17/23 08:15	1
PCB-172	290		75	28	84	pa/l		12/17/23 08:15	1
PCB-174	1600		75		10	ng/l		12/17/23 08:15	1
PCB-175	61		75	38	11	pg/L		12/17/23 08:15	
PCB-176	220	•	75	10	5.6	pg/L		12/17/23 08:15	1
PCB 177	220		75	28	8.4	pg/L		12/17/23 08:15	1
PCD-1/7	200		75	56	1/	pg/L		12/17/23 08:15	
PCB-178	500		75	20	0 /	pg/∟ ng/l		12/17/22 00:15	1
PCB-1/9	690		75	20	0.4	pg/L		12/17/23 00.15	1
PCB-18/30	21	J	150	41	23	pg/L		12/17/23 00.15	· · · · · · · · · · · · · · · · · · ·
PCB-180/193	3200		150	00	10	pg/∟		12/17/23 00:15	1
PCB-181	28	U	75	28	1.5	pg/L		12/17/23 08:15	1
PGB-182	38	U	75	38	10	pg/∟		12/17/23 08:15	
PCB-183/185	1100		150	75	21	pg/L		12/17/23 08:15	1
PCB-184	38	U	75	38	13	pg/L		12/17/23 08:15	1
PCB-186	38	U	75	38	10	pg/L		12/17/23 08:15	1
PCB-187	2100		75	38	10	pg/L		12/17/23 08:15	1
PCB-188	170	U	190	170	44	pg/L		12/17/23 08:15	1
PCB-189	52	J	75	38	14	pg/L		12/17/23 08:15	1
PCB-19	28	U	38	28	10	pg/L		12/17/23 08:15	1
PCB-190	340		75	38	15	pg/L		12/17/23 08:15	1
PCB-191	62	J	75	28	9.4	pg/L		12/17/23 08:15	1
PCB-192	28	U	75	28	8.4	pg/L		12/17/23 08:15	1
PCB-194	710		110	38	11	pg/L		12/17/23 08:15	1
PCB-195	330		110	47	13	pg/L		12/17/23 08:15	1
PCB-196	410		110	38	10	pg/L		12/17/23 08:15	1
PCB-198/199	840		230	47	17	pg/L		12/17/23 08:15	1
PCB-2	47	UM	190	47	15	pg/L		12/17/23 08:15	1
PCB-20/28	42	J	75	56	26	pg/L		12/17/23 08:15	1
PCB-201	97	J	380	180	46	pg/L		12/17/23 08:15	1
PCB-202	140		110	28	8.4	pg/L		12/17/23 08:15	1
PCB-203	510		110	47	12	pg/L		12/17/23 08:15	1
PCB-204	38	U	110	38	9.4	pg/L		12/17/23 08:15	1
PCB-205	51	J	110	19	6.6	pg/L		12/17/23 08:15	1
PCB-206	180		110	19	6.6	pg/L		12/17/23 08:15	1
PCB-207	22	J	110	38	9.4	pg/L		12/17/23 08:15	1
PCB-208	100	U	110	100	52	pg/L		12/17/23 08:15	1
DCB Decachlorobiphenyl	700	U	940	700	230	pg/L		12/17/23 08:15	1
PCB-21/33	56	U	75	56	27	. <u>o' -</u> pa/l		12/17/23 08:15	1
	00	-			-1	r 3' -		,, _0 00.10	

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-1 Date Collected: 11/10/23 09:25 Date Received: 11/10/23 16:03

Lab	Sample	ID:	410-151123-1
			Matrix: Water

Matrix: Water

5

6

Method: EPA 1668C - 0	Chlorinated Biphenyl	Congeners	s (HRGC/HRM	IS) (Conti	nued)				
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-22	16	J	38	28	13	pg/L		12/17/23 08:15	1
PCB-23	28	U	38	28	14	pg/L		12/17/23 08:15	1
PCB-24	33	U	38	33	16	pg/L		12/17/23 08:15	1
PCB-25	28	U	38	28	12	pg/L		12/17/23 08:15	1
PCB-26/29	68	U	75	68	34	pg/L		12/17/23 08:15	1
PCB-27	23	U	38	23	10	pg/L		12/17/23 08:15	1
PCB-3	38	UM	190	38	10	pg/L		12/17/23 08:15	1
PCB-31	38		38	28	13	pg/L		12/17/23 08:15	1
PCB-32	18	J	38	19	7.5	pg/L		12/17/23 08:15	1
PCB-34	33	U	38	33	16	pg/L		12/17/23 08:15	1
PCB-35	37	U	38	37	18	pa/L		12/17/23 08:15	
PCB-36	28	U	38	28	13	pa/L		12/17/23 08:15	1
PCB-37	13		38	19	7.5	pa/L		12/17/23 08:15	1
PCB-38	33		38	33	16	ng/l		12/17/23 08.15	1
PCB-39	34	U	38	34	17	pa/L		12/17/23 08:15	1
PCB-4	41	UM	42	41	21	na/l		12/17/23 08.15	1
PCB-40/71	28	IM	150	56	15	pg/L		12/17/23 08:15	
PCB-41	38	UM	75	38	10	pg/L		12/17/23 08:15	1
PCB-42	19		75	38	11	pg/L		12/17/23 08:15	1
PCB-43	38		75	38	10	pg/⊑ na/l		12/17/23 08:15	
	150		230	84	23	pg/⊑ ng/l		12/17/23 08:15	1
PCB-44/47/05	150		250	28	17	pg/∟ pg/l		12/17/23 08:15	1
PCB-46	20		75	20	10	pg/∟		12/17/23 00:15	1
	30	0	75	20	9.4	pg/∟ pg/l		12/17/23 00:15	1
	11	3	150	20	0.4	pg/∟ pg/l		12/17/23 00:15	1
PCB-43/03	00 20	.	130	20	10	pg/∟		12/17/22 00:15	
PCB-5	100	0	42	100	19	pg/∟ pg/l		12/17/23 00:15	1
PCB-50/35	190	0	200	190	12	pg/∟ pg/l		12/17/23 00:15	1
	00	J	75	41	14	pg/∟		12/17/22 00:15	
PCB-52	00 20		75	20	17	pg/∟ ng/l		12/17/23 00.13	1
PCB-54	30	0	75	20	10	pg/∟ ng/l		12/17/23 00.15	1
PCB-55	38	U	75	38	10	pg/L		12/17/23 08:15	
PCB-56	14	J	75	30 20	13	pg/∟		12/17/23 00:15	1
PCB-37	38	0	75	38	11	pg/L		12/17/23 08:15	1
PCB-58	15	J	75	38	10	pg/L		12/17/23 08:15	1
PCB-59/62/75	94	UM	230	94	23	pg/L		12/17/23 08:15	1
PCB-6	34	ОМ	38	34	1/	pg/L		12/17/23 08:15	1
PCB-60	8.4	J	/5	28	8.4	pg/L		12/17/23 08:15	1
PCB-61/70/74/76	65	J	300	110	28	pg/L		12/17/23 08:15	1
PCB-63	38	U	75	38	12	pg/L		12/17/23 08:15	1
PCB-64	31	JM	/5	38	9.4	pg/L		12/17/23 08:15	1
PCB-66	30	J	75	38	10	pg/L		12/17/23 08:15	1
PCB-67	38	U	75	38	10	pg/L		12/17/23 08:15	1
PCB-68	38	UM	75	38	9.4	pg/L		12/17/23 08:15	1
PCB-7	33	U	38	33	15	pg/L		12/17/23 08:15	1
PCB-72	28	U	75	28	8.4	pg/L		12/17/23 08:15	1
PCB-73	38	U	75	38	10	pg/L		12/17/23 08:15	1
PCB-77	38	UM	75	38	18	pg/L		12/17/23 08:15	1
PCB-78	38	U	75	38	14	pg/L		12/17/23 08:15	1
PCB-79	38	U	75	38	9.4	pg/L		12/17/23 08:15	1

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-1 Date Collected: 11/10/23 09:25 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-1

Matrix: Water

5

6

Method: EPA 1668C - Chlorina	ated Biphenyl	Congene	rs (HRGC/HR	MS) (Cont	tinued)			
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit D	Analyzed	Dil Fac
PCB-8		JI	38	31	15	pg/L	12/17/23 08:15	1
PCB-80	38	U	75	38	9.4	pg/L	12/17/23 08:15	1
PCB-81	38	U	75	38	9.4	pg/L	12/17/23 08:15	1
PCB-82	20	JI	75	38	12	pg/L	12/17/23 08:15	1
PCB-83	23	JIM	75	38	14	pg/L	12/17/23 08:15	1
PCB-84	50	J	75	56	23	pg/L	12/17/23 08:15	1
PCB-85/116/117	37	J	230	120	32	pg/L	12/17/23 08:15	1
PCB-86/87/97/109/119/125	210	JM	450	280	140	pg/L	12/17/23 08:15	1
PCB-88	38	UM	75	38	16	pg/L	12/17/23 08:15	1
PCB-89	38	U	75	38	14	pg/L	12/17/23 08:15	1
PCB-9	33	U	38	33	16	pg/L	12/17/23 08:15	1
PCB-90/101/113	890		230	110	38	pg/L	12/17/23 08:15	1
PCB-91	48	J	75	38	14	pg/L	12/17/23 08:15	1
PCB-92	130		75	38	11	pg/L	12/17/23 08:15	1
PCB-93/100	26	J	150	75	23	pg/L	12/17/23 08:15	1
PCB-94	38	U	75	38	12	pg/L	12/17/23 08:15	1
PCB-95	560		75	38	11	pg/L	12/17/23 08:15	1
PCB-96	38	UM	75	38	17	pg/L	12/17/23 08:15	1
PCB-98/102	94	UM	190	94	27	pg/L	12/17/23 08:15	1
PCB-99	110	М	75	38	11	pg/L	12/17/23 08:15	1
Total Monochlorobiphenyls	38	U	190	38	10	pg/L	12/17/23 08:15	1
Total Dichlorobiphenyls	180		38	30	15	pg/L	12/17/23 08:15	1
Total Trichlorobiphenyls	190	1	38	19	7.5	pg/L	12/17/23 08:15	1
Total Tetrachlorobiphenyls	570	1	75	28	8.4	pg/L	12/17/23 08:15	1
Total Pentachlorobiphenyls	3000		75	19	6.6	pg/L	12/17/23 08:15	1
Total Hexachlorobiphenyls	16000	1	75	19	5.6	pg/L	12/17/23 08:15	1
Total Heptachlorobiphenyls	13000		75	19	5.6	pg/L	12/17/23 08:15	1
Total Octachlorobiphenyls	3200		110	19	6.6	pg/L	12/17/23 08:15	1
Total Nonachlorobiphenyls	200		110	19	6.6	pg/L	12/17/23 08:15	1
Polychlorinated biphenyls, Total	36000	1	38	19	5.6	pg/L	12/17/23 08:15	1
PCB-197/200	140	J	230	47	13	pg/L	12/17/23 08:15	1
Isotope Dilution	%Recovery Q	ualifier	l imits			Prenared	Analyzed	Dil Fac
PCB-11	34		5 - 145			12/14/23 23:57	12/17/23 08:15	1
PCB-104	45		10 - 145			12/14/23 23:57	12/17/23 08:15	1
PCB-1051	57		10 - 145			12/14/23 23:57	12/17/23 08:15	1
PCB-114I	55		10 - 145			12/14/23 23:57	12/17/23 08:15	
PCB-118I	51		10 - 145			12/14/23 23:57	12/17/23 08:15	1
PCB-1231	54		10 - 145			12/14/23 23:57	12/17/23 08:15	1
PCB-126	54		10_145			12/14/23 23:57	12/17/23 08:15	
PCB-1271	53		10 - 145			12/14/23 23:57	12/17/23 08:15	1
PCB-1551	60		10 - 145			12/14/23 23:57	12/17/23 08:15	1
PCB-156I /157I	59		10_145			12/14/23 23:57	12/17/23 08:15	
PCB-167L	57		10_145			12/14/23 23:57	12/17/23 08:15	1
PCB-169L	59		10 - 145			12/14/23 23:57	12/17/23 08:15	1
PCB-180L	61		10 - 145			12/14/23 23:57	12/17/23 08:15	· · · · · · · · · · · · · · · · · · ·
PCB-188L	63		10 - 145			12/14/23 23:57	12/17/23 08:15	1
PCB-189L	59		10 - 145			12/14/23 23:57	12/17/23 08:15	1
PCB-19L	43		5-145			12/14/23 23:57	12/17/23 08:15	
PCB-202L	64		10_145			12/14/23 23:57	12/17/23 08:15	1
	-		-					

Client Sample ID: MP-1 Date Collected: 11/10/23 09:25 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-1 Matrix: Water

5

6

Iethod: EPA 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)												
Isotope Dilution	%Recovery Qua	lifier Limits	Prepared	Analyzed	Dil Fac							
PCB-205L	68	10 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-206L	68	10 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-208L	67	10 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-209L	68	10 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-3L	40	5 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-31L	43	5 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-32L	46	5 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-37L	48	5 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-4L	38	5 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-54L	47	5 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-77L	64	10 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-8L	36	5 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-81L	63	10 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-95L	54	10 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-15L	43	5 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-128L	66	10 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-133L	65	10 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-141L	66	10 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-162L	52	10 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-47L	46	5 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-60L	55	10 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-70L	52	10 - 145	12/14/23 23:57	12/17/23 08:15	1							
PCB-85L	65	10 - 145	12/14/23 23:57	12/17/23 08:15	1							

Client Sample ID: MP-2 Date Collected: 11/10/23 09:20

Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-2

Matrix: Water

Method: EPA 1668C - Chlorinated Analyte	Biphenyl Result	Congeners Qualifier	(HRGC/HRN LOQ	IS) LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1	70	UM	200	70	18	pg/L		12/17/23 09:32	1
PCB-10	44	UM	45	44	22	pg/L		12/17/23 09:32	1
PCB-103	40	U	80	40	11	pg/L		12/17/23 09:32	1
PCB-104	40	U	80	40	17	pg/L		12/17/23 09:32	1
PCB-105	17	J	80	40	11	pg/L		12/17/23 09:32	1
PCB-106	40	U	80	40	19	pg/L		12/17/23 09:32	1
PCB-107	40	U	80	40	14	pg/L		12/17/23 09:32	1
PCB-108/124	80	U	160	80	26	pg/L		12/17/23 09:32	1
PCB-11	160	JM	300	280	110	pg/L		12/17/23 09:32	1
PCB-110/115	64	J	160	100	26	pg/L		12/17/23 09:32	1
PCB-111	40	U	80	40	13	pg/L		12/17/23 09:32	1
PCB-112	40	U	80	40	16	pg/L		12/17/23 09:32	1
PCB-114	40	U	80	40	18	pg/L		12/17/23 09:32	1
PCB-118	37	JM	80	40	17	pg/L		12/17/23 09:32	1
PCB-12/13	70	U	80	70	34	pg/L		12/17/23 09:32	1
PCB-120	40	U	80	40	14	pg/L		12/17/23 09:32	1
PCB-121	40	U	80	40	12	pg/L		12/17/23 09:32	1
PCB-122	40	U	80	40	12	pg/L		12/17/23 09:32	1
PCB-123	70	U	80	70	22	pg/L		12/17/23 09:32	1
PCB-126	70	U	80	70	29	pg/L		12/17/23 09:32	1

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-2 Date Collected: 11/10/23 09:20 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-2 Matrix: Water

Method: EPA 1668C - Chlorinated Bi	phenyl	Congeners	(HRGC/HRN	IS) (Contii	nued)					
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac	5
PCB-127	20	U	80	20	7.0	pg/L		12/17/23 09:32	1	
PCB-128/166	70	UM	160	70	18	pg/L		12/17/23 09:32	1	6
PCB-129/138/163	88	J	240	110	29	pg/L		12/17/23 09:32	1	
PCB-130	40	UM	80	40	11	pg/L		12/17/23 09:32	1	
PCB-131	40	U	80	40	12	pg/L		12/17/23 09:32	1	
PCB-132	27	J	80	40	11	pg/L		12/17/23 09:32	1	8
PCB-133	40	UM	80	40	10	pg/L		12/17/23 09:32	1	
PCB-134	40	U	80	40	17	pg/L		12/17/23 09:32	1	0
PCB-135/151	100	UМ	160	100	32	pg/L		12/17/23 09:32	1	3
PCB-136	40	U cn	80	40	15	pg/L		12/17/23 09:32	1	
PCB-137	40	UМ	80	40	12	pg/L		12/17/23 09:32	1	
PCB-139/140	70	U	160	70	19	pg/L		12/17/23 09:32	1	
PCB-14	40	U	45	40	20	pg/L		12/17/23 09:32	1	
PCB-141	14	J	80	20	6.0	pg/L		12/17/23 09:32	1	
PCB-142	30	U	80	30	9.0	pg/L		12/17/23 09:32	1	
PCB-143	40	υм	80	40	11	pa/L		12/17/23 09:32	1	
PCB-144	50	Ucn	80	50	21	pa/L		12/17/23 09:32	1	13
PCB-145	50	U	80	50	23	pa/L		12/17/23 09:32	1	
PCB-146	11		80	40	10	pa/l		12/17/23 09:32	1	
PCB-147/149	55		160	80	20	pg/L		12/17/23 09:32		
PCB-148	40	U U	80	40	16	pg/L		12/17/23 00:32	1	
PCB-15	40		45	40	20	pg/L		12/17/23 00:32	1	
PCB-150	40		40	40	10	pg/∟ ng/l		12/17/23 00:32		
PCB-152	40	0	80	40	13	pg/∟ ng/l		12/17/23 09:32	1	
	40	0	160	40	14	pg/∟ pg/l		12/17/23 09:32	1	
PCB-153/100	100	J	200	100	10	pg/L		12/17/22 00:22		
PCB-154	100	0	200	100	40	pg/L		12/17/23 09.32	1	
PCB-155	40		60 160	40	20	pg/L		12/17/23 09.32	1	
PCB-150/157	00		100	00	29	pg/L		12/17/23 09:32		
PCB-158	40	U	80	40	11	pg/L		12/17/23 09:32	1	
PCB-159	50	U	80	50	14	pg/L		12/17/23 09:32	1	
PCB-16	30	U	40	30	14	pg/L		12/17/23 09:32	1	
PCB-160	40	U	80	40	12	pg/L		12/17/23 09:32	1	
PCB-161	40	U	80	40	10	pg/L		12/17/23 09:32	1	
PCB-162	30	U	80	30	9.0	pg/L		12/17/23 09:32	1	
PCB-164	20	U	80	20	7.0	pg/L		12/17/23 09:32	1	
PCB-165	40	U	80	40	10	pg/L		12/17/23 09:32	1	
PCB-167	40	U	80	40	11	pg/L		12/17/23 09:32	1	
PCB-169	40	U	80	40	18	pg/L		12/17/23 09:32	1	
PCB-17	30	U	40	30	11	pg/L		12/17/23 09:32	1	
PCB-170	17	J	80	40	11	pg/L		12/17/23 09:32	1	
PCB-171/173	50	U	160	50	16	pg/L		12/17/23 09:32	1	
PCB-172	30	U	80	30	9.0	pg/L		12/17/23 09:32	1	
PCB-174	22	J	80	40	11	pg/L		12/17/23 09:32	1	
PCB-175	40	UM	80	40	12	pg/L		12/17/23 09:32	1	
PCB-176	20	UM	80	20	6.0	pg/L		12/17/23 09:32	1	
PCB-177	11	J	80	30	9.0	pg/L		12/17/23 09:32	1	
PCB-178	60	U	80	60	15	pg/L		12/17/23 09:32	1	
PCB-179	10	J	80	30	9.0	pg/L		12/17/23 09:32	1	
PCB-18/30	50	UM	80	50	24	pg/L		12/17/23 09:32	1	

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-2 Date Collected: 11/10/23 09:20 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-2 Matrix: Water

5 6

Method: EPA 1668C - Chlo	rinated Biphenyl	Congeners	(HRGC/HRM	IS) (Conti	nued)				
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-180/193	46	J	160	70	19	pg/L		12/17/23 09:32	1
PCB-181	30	U	80	30	8.0	pg/L		12/17/23 09:32	1
PCB-182	40	U	80	40	11	pg/L		12/17/23 09:32	1
PCB-183/185	80	UM	160	80	22	pg/L		12/17/23 09:32	1
PCB-184	40	U	80	40	14	pg/L		12/17/23 09:32	1
PCB-186	40	U	80	40	11	pg/L		12/17/23 09:32	1
PCB-187	35	J	80	40	11	pg/L		12/17/23 09:32	1
PCB-188	180	U	200	180	47	pg/L		12/17/23 09:32	1
PCB-189	40	UM	80	40	15	pg/L		12/17/23 09:32	1
PCB-19	30	U	40	30	11	pg/L		12/17/23 09:32	1
PCB-190	40	U	80	40	16	pg/L		12/17/23 09:32	1
PCB-191	30	U	80	30	10	pg/L		12/17/23 09:32	1
PCB-192	30	U	80	30	9.0	pg/L		12/17/23 09:32	1
PCB-194	22	J	120	40	12	pg/L		12/17/23 09:32	1
PCB-195	50	U	120	50	14	pg/L		12/17/23 09:32	1
PCB-196	40	U	120	40	11	pg/L		12/17/23 09:32	1
PCB-198/199	25	J	240	50	18	pa/L		12/17/23 09:32	1
PCB-2	50	UМ	200	50	16	pa/L		12/17/23 09:32	1
PCB-20/28	60	U	80	60	28	pa/L		12/17/23 09:32	1
PCB-201	190	UМ	400	190	49	pg/l		12/17/23 09:32	1
PCB-202	.30	UM	120	.00	9.0	pg/l		12/17/23 09:32	1
PCB-203	50	U	120	50	13	pg/L		12/17/23 09:32	
PCB-204	40	0	120	40	10	pg/⊑ ng/l		12/17/23 00:32	1
PCB-205	+0 20	0	120	20	7.0	pg/L		12/17/23 00:32	1
PCB-206	17	IM	120	20	7.0	pg/L		12/17/23 09:32	
PCB-207	40		120	40	10	pg/⊑ ng/l		12/17/23 00:32	1
PCB-208	+0 110		120	110	55	pg/L		12/17/23 00:32	1
	750		1000	750	240	pg/L		12/17/23 00:32	
	7.50 60	0	80	60	240	pg/L		12/17/23 09:32	1
PCB-22	00 30	0	40	30	23	pg/L		12/17/23 09:32	1
	30		40	30	14	pg/L		12/17/23 00:32	
	30	0	40	35	17	pg/L		12/17/23 09:32	1
	30	0	40	20	12	pg/L		12/17/22 09:32	1
	30		40	30 70	10	pg/L		12/17/22 00:22	
PCB-20/29	72	0	80 40	72	30	pg/L		12/17/23 09:32	1
	23	0	40	20	11	pg/L		12/17/22 09:32	1
	40	U	200	40	11	pg/L		12/17/23 09:32	· · · · · · · · · · · · · · · · · · ·
	30	U	40	30	14	pg/L		12/17/23 09:32	1
	20	UM	40	20	8.0	pg/L		12/17/23 09:32	1
PCB-34	35	U	40	35	17	pg/L		12/17/23 09:32	·····
PCB-35	39	U	40	39	19	pg/L		12/17/23 09:32	1
PCB-36	30	U	40	30	14	pg/L		12/17/23 09:32	1
PCB-37	20	U	40	20	8.0	pg/L		12/17/23 09:32	1
PCB-38	35	U	40	35	17	pg/L		12/17/23 09:32	1
PCB-39	36	U	40	36	18	pg/L		12/17/23 09:32	1
PCB-4	44	UM	45	44	22	pg/L		12/17/23 09:32	1
PCB-40/71	60	U	160	60	16	pg/L		12/17/23 09:32	1
PCB-41	40	U	80	40	11	pg/L		12/17/23 09:32	1
PCB-42	40	UM	80	40	12	pg/L		12/17/23 09:32	1
PCB-43	40	U	80	40	11	pg/L		12/17/23 09:32	1

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-2 Date Collected: 11/10/23 09:20 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-2 Matrix: Water

5 6

Method: EPA 1668C - Ch	lorinated Biphenyl	Congener	s (HRGC/HR	MS) (Con	tinued)				
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-44/47/65	24	J	240	90	24	pg/L		12/17/23 09:32	1
PCB-45	40	UM	80	40	18	pg/L		12/17/23 09:32	1
PCB-46	40	U	80	40	11	pg/L		12/17/23 09:32	1
PCB-48	30	U	80	30	9.0	pg/L		12/17/23 09:32	1
PCB-49/69	70	U	160	70	18	pg/L		12/17/23 09:32	1
PCB-5	40	U	45	40	20	pg/L		12/17/23 09:32	1
PCB-50/53	200	U	300	200	91	pa/L		12/17/23 09:32	1
PCB-51	50	U	80	50	13	pa/L		12/17/23 09:32	1
PCB-52	21	J	80	40	12	pa/L		12/17/23 09:32	
PCB-54	40	U	80	40	18	na/l		12/17/23 09:32	1
PCB-55	40	U	80	40	11	pa/l		12/17/23 09:32	1
PCB-56	40		80	40	14	na/l		12/17/23 09:32	
PCB-57	40	U	80	40	12	pg/⊏ na/l		12/17/23 09:32	1
PCB-58	40		80	40	11	pg/⊑ ng/l		12/17/23 00:32	1
PCB 50/62/75	100		240	100	25	pg/∟		12/17/23 00:32	· · · · · · · · · · · · · · · · · · ·
PCB-59/02/75	100		240	100	10	pg/∟		12/17/22 09:32	1
	30	U	40	30	10	pg/∟ ng/l		12/17/23 09:32	1
	30	U	80	30	9.0	pg/L		12/17/23 09:32	
PCB-61/70/74/76	120	0	320	120	30	pg/L		12/17/23 09:32	
PCB-63	40	U	80	40	13	pg/L		12/17/23 09:32	1
PCB-64	40	U	80	40	10	pg/L		12/17/23 09:32	1
PCB-66	11	J	80	40	11	pg/L		12/17/23 09:32	1
PCB-67	40	U	80	40	11	pg/L		12/17/23 09:32	1
PCB-68	40	UM	80	40	10	pg/L		12/17/23 09:32	1
PCB-7	35	U	40	35	16	pg/L		12/17/23 09:32	1
PCB-72	30	U	80	30	9.0	pg/L		12/17/23 09:32	1
PCB-73	40	U	80	40	11	pg/L		12/17/23 09:32	1
PCB-77	40	U	80	40	19	pg/L		12/17/23 09:32	1
PCB-78	40	U	80	40	15	pg/L		12/17/23 09:32	1
PCB-79	40	U	80	40	10	pg/L		12/17/23 09:32	1
PCB-8	33	UM	40	33	16	pg/L		12/17/23 09:32	1
PCB-80	40	U	80	40	10	pg/L		12/17/23 09:32	1
PCB-81	40	U	80	40	10	pg/L		12/17/23 09:32	1
PCB-82	40	U	80	40	13	pg/L		12/17/23 09:32	1
PCB-83	40	U	80	40	15	pg/L		12/17/23 09:32	1
PCB-84	60	U	80	60	25	pg/L		12/17/23 09:32	1
PCB-85/116/117	130	U	240	130	34	pg/L		12/17/23 09:32	1
PCB-86/87/97/109/119/125	300	UM	480	300	150	pg/L		12/17/23 09:32	1
PCB-88	40	UM	80	40	17	pa/L		12/17/23 09:32	1
PCB-89	40	Ŭ	80	40	15	pa/L		12/17/23 09:32	
PCB-9	35	U	40	35	17	na/l		12/17/23 09:32	1
PCB-90/101/113	55		240	120	40	na/l		12/17/23 09:32	1
PCB-91	40		80	40	15	pg/L		12/17/23 09:32	
PCB-92	40	Ū.	80	40	12	na/l		12/17/23 09:32	1
PCB-93/100	40 20	U M	160	 80	25	rg,∟ na/l		12/17/23 00:32	1
PCB-04	00 ^^		80	10	2J 12	P9/⊏ na/l		12/17/23 00.32	1
	40		00	40	10	Py/∟ pg/!		12/17/22 00:22	1
	34	JIVI	00	40	12	pg/∟		12/17/22 00:22	1
	40		00	40	18	pg/∟		12/11/20 09:32	ا د
	100		200	100	29	pg/L		12/17/23 09:32	T A
PCB-99	19	J	80	40	12	pg/∟		12/11/23 09:32	Ĩ

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-2 Date Collected: 11/10/23 09:20 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-2 Matrix: Water

5 6

Method: EPA 1668C - Chlorina	ated Biphenyl	Congene	rs (HRGC/HI	RMS) (Con	tinued)			
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit D	Analyzed	Dil Fac
Total Monochlorobiphenyls	40	U	200	40	11	pg/L	12/17/23 09:32	1
Total Dichlorobiphenyls	160	I	40	32	16	pg/L	12/17/23 09:32	1
Total Trichlorobiphenyls	20	U	40	20	8.0	pg/L	12/17/23 09:32	1
Total Tetrachlorobiphenyls	56	JI	80	30	9.0	pg/L	12/17/23 09:32	1
Total Pentachlorobiphenyls	230	I	80	20	7.0	pg/L	12/17/23 09:32	1
Total Hexachlorobiphenyls	260	1	80	20	6.0	pg/L	12/17/23 09:32	1
Total Heptachlorobiphenyls	140	1	80	20	6.0	pg/L	12/17/23 09:32	1
Total Octachlorobiphenyls	47	JI	120	20	7.0	pg/L	12/17/23 09:32	1
Total Nonachlorobiphenyls	17	JI	120	20	7.0	pg/L	12/17/23 09:32	1
Polychlorinated biphenyls, Total	910	1	40	20	6.0	pg/L	12/17/23 09:32	1
PCB-197/200	50	UМ	240	50	14	pg/L	12/17/23 09:32	1
Isotope Dilution	%Recovery Q	ualifier	l imits			Prenared	Analyzed	Dil Eac
PCB-11	24		5-145			12/14/23 23:57	12/17/23 09·32	1
PCB-104	58		10 - 145			12/14/23 23:57	12/17/23 09:32	1
PCB-105	61		10 145			12/14/23 23:57	12/17/23 09:32	1
PCB-114	60		10 145			12/14/23 23:57	12/17/23 09:32	1
PCB-118	57		10 145			12/14/23 23:57	12/17/23 00:32	1
PCB-1231	61		10 145			12/14/23 23:57	12/17/23 09:32	1
PCB-126	56		10 145			12/14/23 23:57	12/17/23 00:32	
PCB-1271	55		10 - 145			12/14/23 23:57	12/17/23 00:32	1
PCB-1551	80		10 145			12/14/23 23:57	12/17/23 00:32	1
PCB-1561 /1571	53		10 145			12/14/23 23:57	12/17/23 00:32	
PCB-1671	55		10 - 145			12/14/23 23:57	12/17/23 09:32	1
PCB-160	51		10 - 145			12/14/23 23:57	12/17/23 09:32	1
PCB-1801	70		10 - 145			12/14/23 23:57	12/17/23 09:32	
PCB-1881	94		10 145			12/14/23 23:57	12/17/23 00:32	1
PCB-1891	54 64		10 - 145			12/14/23 23:57	12/17/23 00:32	1
PCB-191	48		5 145			12/14/23 23:57	12/17/23 09:32	1
PCB-2021	40 86		10 145			12/14/23 23:57	12/17/23 00:32	1
PCB-2051	78		10 - 145			12/14/23 23:57	12/17/23 00:32	1
PCB-2061	81		10 145			12/14/23 23:57	12/17/23 00:32	1
PCB-2081	80		10 145			12/14/23 23:57	12/17/23 09:32	1
PCB-2091	82		10 145			12/14/23 23:57	12/17/23 09:32	1
PCB-3/	35		5-145			12/14/23 23:57	12/17/23 09:32	
PCB-31	55		5-145			12/14/23 23:57	12/17/23 09:32	1
PCB-321	56		5-145			12/14/23 23:57	12/17/23 09:32	1
PCB-371	67		5-145			12/14/23 23:57	12/17/23 09:32	
PCB-41	.33		5-145			12/14/23 23:57	12/17/23 09:32	1
PCB-54	59		5-145			12/14/23 23:57	12/17/23 09:32	1
PCB-771	75		10 145			12/14/23 23:57	12/17/23 09:32	
PCB-81	38		5 145			12/14/23 23:57	12/17/23 00:32	1
PCB-811	77		10 145			12/14/23 23:57	12/17/23 00:32	1
PCB-95/	66		10_145			12/14/23 23:57	12/17/23 09:32	
PCB-15	54		5_145			12/14/23 23:57	12/17/23 00.32	1
PCB-128	72		10 145			12/14/23 23:57	12/17/23 00:32	1
PCB-133/	74		10 - 145			12/14/22 22.57	12/17/23 00.32	
PCB-1411	75		10 - 145			12/17/23 23.37	12/17/22 03.32	1
PCB-1621	53		10 145			12/17/23 23.37	12/17/22 03.32	1
	55 21		5 1/5			12/14/23 23.31	12/17/22 00:32	
F \ \ D=4/L	01		5 - 145			12/14/23 23.3/	12/11/23 09.32	1

Client Sample ID: MP-2 Date Collected: 11/10/23 09:20 Date Received: 11/10/23 16:03

Method: EPA 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)									
Isotope Dilution	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac				
PCB-60L	71	10 - 145	12/14/23 23:57	12/17/23 09:32	1				
PCB-70L	68	10 - 145	12/14/23 23:57	12/17/23 09:32	1				
PCB-85L	78	10 - 145	12/14/23 23:57	12/17/23 09:32	1				

Client Sample ID: MP-3

Date Collected: 11/10/23 08:55 Date Received: 11/10/23 16:03

Method: EPA 1668C - Chiorin		Congeners		10)	ы	Unit	_	Analyzad	
					UL		D	Analyzeu	
	00	U	190	00	17	pg/∟ pg/l		12/17/23 10:49	1
PCB-10	41	0	42	41	21	pg/∟ ng/l		12/17/23 10:49	1
PCB-103	37		75	37	10	pg/∟		12/17/23 10:49	
PCB-104	37	0	75	37	10	pg/∟ ng/l		12/17/23 10:49	1
PCB-105	46	J	75	37	10	pg/∟		12/17/23 10:49	1
PCB-100	37	U	75	37	18	pg/L		12/17/23 10:49	
PCB-107	37	U	75	37	13	pg/∟		12/17/23 10:49	1
PCB-108/124	75	U	150	75	24	pg/L		12/17/23 10:49	1
PCB-11	450		280	260	100	pg/L		12/17/23 10:49	1
PCB-110/115	170		150	94	24	pg/L		12/17/23 10:49	1
PCB-111	37	U	75	37	12	pg/L		12/17/23 10:49	1
PCB-112	37	U	75	37	15	pg/L		12/17/23 10:49	1
PCB-114	37	U	75	37	17	pg/L		12/17/23 10:49	1
PCB-118	110		75	37	16	pg/L		12/17/23 10:49	1
PCB-12/13	66	UM	75	66	32	pg/L		12/17/23 10:49	1
PCB-120	37	U	75	37	13	pg/L		12/17/23 10:49	1
PCB-121	37	U	75	37	11	pg/L		12/17/23 10:49	1
PCB-122	37	U	75	37	11	pg/L		12/17/23 10:49	1
PCB-123	66	U	75	66	21	pg/L		12/17/23 10:49	1
PCB-126	66	U	75	66	27	pg/L		12/17/23 10:49	1
PCB-127	19	U	75	19	6.6	pg/L		12/17/23 10:49	1
PCB-128/166	34	J	150	66	17	pg/L		12/17/23 10:49	1
PCB-129/138/163	300		220	100	27	pg/L		12/17/23 10:49	1
PCB-130	17	J	75	37	10	pg/L		12/17/23 10:49	1
PCB-131	37	U	75	37	11	pg/L		12/17/23 10:49	1
PCB-132	90		75	37	10	pg/L		12/17/23 10:49	1
PCB-133	37	U	75	37	9.4	pg/L		12/17/23 10:49	1
PCB-134	37	U	75	37	16	pg/L		12/17/23 10:49	1
PCB-135/151	94	J	150	94	30	pg/L		12/17/23 10:49	1
PCB-136	33	J cn	75	37	14	pg/L		12/17/23 10:49	1
PCB-137	11	J	75	37	11	pg/L		12/17/23 10:49	1
PCB-139/140	66	U	150	66	18	pg/L		12/17/23 10:49	1
PCB-14	37	U	42	37	19	pg/L		12/17/23 10:49	1
PCB-141	49	J	75	19	5.6	pg/L		12/17/23 10:49	1
PCB-142	28	U	75	28	8.4	pa/L		12/17/23 10:49	1
PCB-143	37	UМ	75	37	10	pa/L		12/17/23 10:49	1
PCB-144	47	U M cn	75	47	20	pa/L		12/17/23 10:49	
PCB-145	47	U	75	47	22	pa/L		12/17/23 10:49	1
PCB-146	35	-	75	37	94	pa/l		12/17/23 10:49	1
PCB-147/149	190		150	75	19	pa/l		12/17/23 10:49	· · · · · · · · · · · · · · · · · · ·

Eurofins Lancaster Laboratories Environment Testing, LLC

Job ID: 410-151123-1 Lab Sample ID: 410-151123-2

Matrix: Water

Matrix: Water

Lab Sample ID: 410-151123-3

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-3 Date Collected: 11/10/23 08:55 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-3 Matrix: Water

Method: EPA 1668C - Chlorinate	d Biphenyl	Congeners	(HRGC/HRM	S) (Contir	nued)					
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac	5
PCB-148	37	U	75	37	15	pg/L		12/17/23 10:49	1	
PCB-15	37	UM	42	37	19	pg/L		12/17/23 10:49	1	6
PCB-150	37	U	75	37	18	pg/L		12/17/23 10:49	1	
PCB-152	37	U	75	37	13	pg/L		12/17/23 10:49	1	
PCB-153/168	230		150	75	17	pg/L		12/17/23 10:49	1	
PCB-154	94	UM	190	94	42	pg/L		12/17/23 10:49	1	8
PCB-155	37	UM	75	37	19	pg/L		12/17/23 10:49	1	
PCB-156/157	75	U	150	75	27	pg/L		12/17/23 10:49	1	0
PCB-158	26	J	75	37	10	pg/L		12/17/23 10:49	1	3
PCB-159	47	UM	75	47	13	pg/L		12/17/23 10:49	1	
PCB-16	28	U	37	28	13	pg/L		12/17/23 10:49	1	
PCB-160	37	U	75	37	11	pg/L		12/17/23 10:49	1	
PCB-161	37	U	75	37	9.4	pg/L		12/17/23 10:49	1	
PCB-162	28	UM	75	28	8.4	pg/L		12/17/23 10:49	1	
PCB-164	20	J	75	19	6.6	pg/L		12/17/23 10:49	1	
PCB-165	37	U	75	37	9.4	pg/L		12/17/23 10:49	1	
PCB-167	37	U	75	37	10	pg/L		12/17/23 10:49	1	13
PCB-169	37	U	75	37	17	pg/L		12/17/23 10:49	1	
PCB-17	28	υм	37	28	10	pa/L		12/17/23 10:49	1	
PCB-170	68	J	75	37	10	pa/L		12/17/23 10:49	1	
PCB-171/173	23		150	47	15	pa/L		12/17/23 10:49		
PCB-172	16	J	75	28	8.4	pa/L		12/17/23 10:49	1	
PCB-174	86	•	75	37	10	pa/L		12/17/23 10:49	1	
PCB-175	37		75	37	11	pa/l		12/17/23 10.49		
PCB-176	12	.1	75	19	5.6	pg/l		12/17/23 10:49	1	
PCB-177	44		75	28	8.4	pa/l		12/17/23 10:49	1	
PCB-178	24		75	56	14	pg/L		12/17/23 10:49		
PCB-179	37		75	28	84	pg/l		12/17/23 10:49	1	
PCB-18/30	47	UМ	75	47	22	pa/l		12/17/23 10:49	1	
PCB-180/193	160	O III	150	66	18	pg/L		12/17/23 10:49		
PCB-181	28	U.	75	28	7.5	pa/l		12/17/23 10:49	1	
PCB-182	37	0	75	37	10	pg/⊏ pg/l		12/17/23 10:49	1	
PCB-183/185	61		150	75	21	pg/L		12/17/23 10:49		
PCB-184	37		75	37	13	pg/L		12/17/23 10:49	1	
PCB-186	37	U	75	37	10	pg/L		12/17/23 10:49	1	
PCB-187	130		75	37	10	pg/L		12/17/23 10:49		
PCB-188	170	U.	190	170	44	pg/L		12/17/23 10:49	1	
PCB-189	37	UМ	75	37	14	pg/l		12/17/23 10:49	1	
PCB-19	28	11	37	28	10	pg/L		12/17/23 10:49		
PCB-190	15		75	37	15	pg/L		12/17/23 10:49	1	
PCB-191	28	U U	75	28	9.4	pa/l		12/17/23 10:40	' 1	
PCB-192	20	Ŭ	75	28	8.4 8.4	pg/L		12/17/23 10:49		
PCB-194	20 E1	J	110	37	11	pg/L		12/17/23 10:49	1	
PCB-105	31	ч ТМ	110	۵7 17	12	pg/L		12/17/23 10:49	י 1	
PCB-196	10		110	37	10	P9′⊏ pa/l		12/17/23 10:49	· · · · · · · · · · · · · · · · · · ·	
PCB-198/199	30	Т	220	۵۲ ۸7	10	P9/⊏ ng/l		12/17/23 10:49	י 1	
PCB-2	/ 3 /7	J	100	+1 17	17	pg/⊏ pg/l		12/17/23 10.49	1	
PCB-20/28	47		75	+1 56	10 10	P9/⊏ ng/l		12/17/23 10:49	· · · · · · · · · · · · · · · · · · ·	
PCB-201	190	U	270	120	20	pg/⊏		12/17/23 10.49	1	
100-201	100	0	370	100	40	P9/⊏		12/11/23 10.49	I	

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-3 Date Collected: 11/10/23 08:55 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-3 Matrix: Water

5

6

Method: EPA 1668C - C	hlorinated Biphenyl	Congeners	s (HRGC/HRM	IS) (Cont	inued)				
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-202	9.8	JIM	110	28	8.4	pg/L		12/17/23 10:49	1
PCB-203	35	J	110	47	12	pg/L		12/17/23 10:49	1
PCB-204	37	U	110	37	9.4	pg/L		12/17/23 10:49	1
PCB-205	19	U	110	19	6.6	pg/L		12/17/23 10:49	1
PCB-206	35	JM	110	19	6.6	pg/L		12/17/23 10:49	1
PCB-207	37	UМ	110	37	9.4	pg/L		12/17/23 10:49	1
PCB-208	100	UM	110	100	52	pg/L		12/17/23 10:49	1
DCB Decachlorobiphenyl	700	UM	940	700	220	pg/L		12/17/23 10:49	1
PCB-21/33	56	U	75	56	27	pg/L		12/17/23 10:49	1
PCB-22	28	U	37	28	13	pg/L		12/17/23 10:49	1
PCB-23	28	U	37	28	14	pg/L		12/17/23 10:49	1
PCB-24	33	U	37	33	16	pa/L		12/17/23 10:49	1
PCB-25	28	U	37	28	12	pa/L		12/17/23 10:49	1
PCB-26/29	67	Ū	75	67	34	ng/l		12/17/23 10.49	
PCB-27	23	U	37	23	10	pa/l		12/17/23 10:49	1
PCB-3	37	U	190	37	10	pa/l		12/17/23 10:49	1
PCB-31	10		37	28	13	pg/⊑		12/17/23 10:49	
PCB-32	19	U U	37	19	75	pg/⊑ ng/l		12/17/23 10:49	1
PCB-34	33		37	33	16	pg/⊑		12/17/23 10:40	1
PCB-35	33		37	37	10	pg/∟ pg/l		12/17/23 10:49	·····
	29		37	20	10	pg/∟ pg/l		12/17/23 10:49	1
	20	0	37	20 10	75	pg/∟ pg/l		12/17/23 10:49	1
	12	. J	37	19	1.5	pg/∟		12/17/23 10:49	
	30	0	37	33	10	pg/∟		12/17/23 10:49	1
	34		37	34	17	pg/∟		12/17/23 10:49	1
	41		42	41	21	pg/L		12/17/23 10:49	· · · · · · · .
PCB-40/71	00	U	150	00	10	pg/∟		12/17/23 10:49	1
PCB-41	37	UM	75	37	10	pg/L		12/17/23 10:49	1
	37	UM	/5	37	11	pg/L		12/17/23 10:49	· · · · · · ·
PCB-43	37	0	75	3/	10	pg/L		12/17/23 10:49	1
PCB-44/47/65	40	J	220	84	22	pg/L		12/17/23 10:49	1
PCB-45	3/	UM	/5 75	37	1/	pg/L		12/17/23 10:49	1
PCB-46	37	U	75	37	10	pg/L		12/17/23 10:49	1
PCB-48	28	U	75	28	8.4	pg/L		12/17/23 10:49	1
PCB-49/69	66	U	150	66	1/	pg/L		12/17/23 10:49	1
PCB-5	37	U	42	37	19	pg/L		12/17/23 10:49	1
PCB-50/53	190	UM	280	190	85	pg/L		12/17/23 10:49	1
PCB-51	47	UM	75	47	12	pg/L		12/17/23 10:49	1
PCB-52	56	J	75	37	11	pg/L		12/17/23 10:49	1
PCB-54	37	U	75	37	17	pg/L		12/17/23 10:49	1
PCB-55	37	U	75	37	10	pg/L		12/17/23 10:49	1
PCB-56	14	J	75	37	13	pg/L		12/17/23 10:49	1
PCB-57	37	U	75	37	11	pg/L		12/17/23 10:49	1
PCB-58	37	U	75	37	10	pg/L		12/17/23 10:49	1
PCB-59/62/75	94	UM	220	94	23	pg/L		12/17/23 10:49	1
PCB-6	34	U	37	34	17	pg/L		12/17/23 10:49	1
PCB-60	28	U	75	28	8.4	pg/L		12/17/23 10:49	1
PCB-61/70/74/76	66	J	300	110	28	pg/L		12/17/23 10:49	1
PCB-63	37	U	75	37	12	pg/L		12/17/23 10:49	1
PCB-64	13	J	75	37	9.4	pg/L		12/17/23 10:49	1

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-3 Date Collected: 11/10/23 08:55 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-3 Matrix: Water

5 6

Method: EPA 1668C - Chlorina	ated Biphenyl	Congene	ers (HRGC/HRI	MS) (Conti	nued)			
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit D	Analyzed	Dil Fac
PCB-66	26	J	75	37	10	pg/L	12/17/23 10:49	1
PCB-67	37	U	75	37	10	pg/L	12/17/23 10:49	1
PCB-68	37	U	75	37	9.4	pg/L	12/17/23 10:49	1
PCB-7	33	U	37	33	15	pg/L	12/17/23 10:49	1
PCB-72	28	U	75	28	8.4	pg/L	12/17/23 10:49	1
PCB-73	37	U	75	37	10	pg/L	12/17/23 10:49	1
PCB-77	37	U	75	37	18	pg/L	12/17/23 10:49	1
PCB-78	37	U	75	37	14	pg/L	12/17/23 10:49	1
PCB-79	37	U	75	37	9.4	pg/L	12/17/23 10:49	1
PCB-8	31	U	37	31	15	pg/L	12/17/23 10:49	1
PCB-80	37	U	75	37	9.4	pg/L	12/17/23 10:49	1
PCB-81	37	U	75	37	9.4	pg/L	12/17/23 10:49	1
PCB-82	16	J	75	37	12	pg/L	12/17/23 10:49	1
PCB-83	37	U	75	37	14	pg/L	12/17/23 10:49	1
PCB-84	37	J	75	56	23	pg/L	12/17/23 10:49	1
PCB-85/116/117	120	U	220	120	32	pg/L	12/17/23 10:49	1
PCB-86/87/97/109/119/125	280	UM	450	280	140	pg/L	12/17/23 10:49	1
PCB-88	37	UM	75	37	16	pg/L	12/17/23 10:49	1
PCB-89	37	U	75	37	14	pg/L	12/17/23 10:49	1
PCB-9	33	U	37	33	16	pg/L	12/17/23 10:49	1
PCB-90/101/113	150	J	220	110	37	pg/L	12/17/23 10:49	1
PCB-91	16	J	75	37	14	pg/L	12/17/23 10:49	1
PCB-92	24	J	75	37	11	pg/L	12/17/23 10:49	1
PCB-93/100	75	UM	150	75	23	pg/L	12/17/23 10:49	1
PCB-94	37	U	75	37	12	pg/L	12/17/23 10:49	1
PCB-95	99		75	37	11	pg/L	12/17/23 10:49	1
PCB-96	37	UM	75	37	17	pg/L	12/17/23 10:49	1
PCB-98/102	94	U	190	94	27	pg/L	12/17/23 10:49	1
PCB-99	48	J	75	37	11	pg/L	12/17/23 10:49	1
Total Monochlorobiphenyls	37	U	190	37	10	pg/L	12/17/23 10:49	1
Total Dichlorobiphenyls	450	I	37	30	15	pg/L	12/17/23 10:49	1
Total Trichlorobiphenyls	31	JI	37	19	7.5	pg/L	12/17/23 10:49	1
Total Tetrachlorobiphenyls	220	1	75	28	8.4	pg/L	12/17/23 10:49	1
Total Pentachlorobiphenyls	720	I	75	19	6.6	pg/L	12/17/23 10:49	1
Total Hexachlorobiphenyls	1100	1	75	19	5.6	pg/L	12/17/23 10:49	1
Total Heptachlorobiphenyls	680	T	75	19	5.6	pg/L	12/17/23 10:49	1
Total Octachlorobiphenyls	210	I	110	19	6.6	pg/L	12/17/23 10:49	1
Total Nonachlorobiphenyls	35	JI	110	19	6.6	pg/L	12/17/23 10:49	1
Polychlorinated biphenyls, Total	3500	1	37	19	5.6	pg/L	12/17/23 10:49	1
PCB-197/200	47	UM	220	47	13	pg/L	12/17/23 10:49	1
Isotope Dilution	%Recovery Q	ualifier	Limits			Prepared	Analyzed	Dil Fac
PCB-1L	40		5 - 145			12/14/23 23:57	12/17/23 10:49	1
PCB-104L	61		10 - 145			12/14/23 23:57	12/17/23 10:49	1
PCB-105L	70		10 - 145			12/14/23 23:57	12/17/23 10:49	1
PCB-114L	67		10 - 145			12/14/23 23:57	12/17/23 10:49	1
PCB-118L	63		10 - 145			12/14/23 23:57	12/17/23 10:49	1
PCB-123L	67		10 - 145			12/14/23 23:57	12/17/23 10:49	1
PCB-126L	62		10 - 145			12/14/23 23:57	12/17/23 10:49	1
PCB-127L	63		10 - 145			12/14/23 23:57	12/17/23 10:49	1

Client Sample ID: MP-3 Date Collected: 11/10/23 08:55 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-3 Matrix: Water

5 6

Method: EPA 1668C - 0	Chlorinated Biphenyl Conger	ners (HRGC/HRMS) (Co	ontinued)	
Isotope Dilution	%Recovery Qualifier	Limits	Prepared Analyzed	Dil Fac
PCB-155L	77	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-156L/157L	53	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-167L	57	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-169L	53	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-180L	76	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-188L	98	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-189L	65	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-19L	63	5 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-202L	88	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-205L	72	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-206L	70	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-208L	69	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-209L	57	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-3L	50	5 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-31L	66	5 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-32L	68	5 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-37L	75	5 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-4L	51	5 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-54L	68	5 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-77L	86	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-8L	50	5 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-81L	87	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-95L	69	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-15L	64	5 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-128L	74	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-133L	75	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-141L	74	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-162L	56	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-47L	68	5 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-60L	79	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-70L	72	10 - 145	12/14/23 23:57 12/17/23 10:49	1
PCB-85L	83	10 - 145	12/14/23 23:57 12/17/23 10:49	1

Client Sample ID: MP-4

Date Collected: 11/10/23 09:10 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-4

Matrix: Water

Method: EPA 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)									
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1	66	UM	190	66	17	pg/L		12/17/23 12:06	1
PCB-10	41	U	42	41	21	pg/L		12/17/23 12:06	1
PCB-103	38	U	75	38	10	pg/L		12/17/23 12:06	1
PCB-104	38	U	75	38	16	pg/L		12/17/23 12:06	1
PCB-105	38	UM	75	38	10	pg/L		12/17/23 12:06	1
PCB-106	38	U	75	38	18	pg/L		12/17/23 12:06	1
PCB-107	38	U	75	38	13	pg/L		12/17/23 12:06	1
PCB-108/124	75	U	150	75	24	pg/L		12/17/23 12:06	1
PCB-11	260	U	280	260	100	pg/L		12/17/23 12:06	1
PCB-110/115	120	J	150	94	24	pg/L		12/17/23 12:06	1
PCB-111	38	U	75	38	12	pg/L		12/17/23 12:06	1

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-4 Date Collected: 11/10/23 09:10 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-4

Matrix: Water

Method: EPA 1668C - Chlorinated E	iphenyl	Congeners	(HRGC/HRM	IS) (Contii	nued)					
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac	5
PCB-112	38	U	75	38	15	pg/L		12/17/23 12:06	1	
PCB-114	38	U	75	38	17	pg/L		12/17/23 12:06	1	6
PCB-118	39	JM	75	38	16	pg/L		12/17/23 12:06	1	
PCB-12/13	66	U	75	66	32	pg/L		12/17/23 12:06	1	
PCB-120	38	U	75	38	13	pg/L		12/17/23 12:06	1	
PCB-121	38	U	75	38	11	pg/L		12/17/23 12:06	1	0
PCB-122	38	U	75	38	11	pg/L		12/17/23 12:06	1	0
PCB-123	66	U	75	66	21	pg/L		12/17/23 12:06	1	0
PCB-126	66	U	75	66	27	pg/L		12/17/23 12:06	1	9
PCB-127	19	U	75	19	6.6	pg/L		12/17/23 12:06	1	
PCB-128/166	42	J	150	66	17	pg/L		12/17/23 12:06	1	
PCB-129/138/163	860	-	230	100	27	pa/L		12/17/23 12:06	1	
PCB-130	33	J	75	38	10	pa/L		12/17/23 12:06	1	
PCB-131	38	U	75	38	11	pa/L		12/17/23 12:06		
PCB-132	210		75	38	10	pa/L		12/17/23 12:06	1	
PCB-133	15	J	75	38	9.4	pa/L		12/17/23 12:06	1	
PCB-134	25		75	38	16	pa/L		12/17/23 12:06		
PCB-135/151	410	•	150	94	30	pa/L		12/17/23 12:06	1	
PCB-136	110	cn	75	38	14	pa/l		12/17/23 12:06	1	
PCB-137	38	U	75	38	11	pg/L		12/17/23 12:06		
PCB-139/140	66		150	66	18	pg/L		12/17/23 12:06	1	
PCB-14	38	0	42	38	10	pg/L		12/17/23 12:06	1	
PCB-141	170		75	10	56	pg/⊏ ng/l		12/17/23 12:06		
PCB-142	28		75	28	8.5	pg/L		12/17/23 12:00	1	
PCB-143	38	ЦΜ	75	38	10	pg/L		12/17/23 12:06	1	
PCB-144	42		75	47	20	pg/⊏ ng/l		12/17/23 12:06		
PCB-145	47		75	47	20	pg/L		12/17/23 12:06	1	
PCB-146	150	0	75	38	94	pg/L		12/17/23 12:06	1	
PCB-147/149	700		150	75	19	pg/L		12/17/23 12:06		
PCB-148	38	П	75	38	15	pg/L		12/17/23 12:06	1	
PCB-15	38	UМ	42	38	10	pg/L		12/17/23 12:06	1	
PCB-150	38		75	38	18	pg/L		12/17/23 12:06		
PCB-152	38		75	38	13	pg/L		12/17/23 12:06	1	
PCB-153/168	930	0	150	75	10	pg/L		12/17/23 12:06	1	
PCB-154	94	U	190	94	42	pg/L		12/17/23 12:06		
PCB-155	38		75	38	19	pg/L		12/17/23 12:06	1	
PCB-156/157	40		150	75	27	pg/L		12/17/23 12:06	1	
PCB-158	56		75	38	10	pg/L		12/17/23 12:06		
PCB-159	47	U U	75	47	13	pg/L		12/17/23 12:06	1	
PCB-16	28	U	38	28	13	pg/L		12/17/23 12:06	1	
PCB-160		Ŭ	75		11	pg/l		12/17/23 12:06	· · · · · · · · 1	
PCB-161	38	Ŭ	75	38	9.4	pa/l		12/17/23 12:06	1	
PCB-162	28	U M	75	28	0.4 8 5	pa/l		12/17/23 12:06	1	
PCB-164	20 70		75	19	0.0 6.6	P9′⊏ pa/l		12/17/23 12:00		
PCB-165	38	U	75	38	0.0 Q /	pa/l		12/17/23 12:00	1	
PCB-167	40	5	75	20	J.4 10	P9'⊏ na/l		12/17/23 12:00	1	
PCB-169	رو ا ال		75	38	10	P9/⊏ na/l		12/17/23 12:00	· · · · · · · · · · · · · · · · · · ·	
PCB-17	20	UM	72 72	28	10	P9/⊏ na/l		12/17/23 12:00	1	
BCB 170	20			20	10	pg/∟ pg/l		12/17/22 12:00	1	
100-110	230		15	50	10	P9/L		12/11/20 12.00	1	

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-4 Date Collected: 11/10/23 09:10 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-4

Matrix: Water

Method: EPA 1668C - Chlorin	ated Biphenyl	Congeners	(HRGC/HRM	IS) (Conti	inued)			
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D Analyzed Dil Fac	5
PCB-171/173	85	J	150	47	15	pg/L	<u> </u>	
PCB-172	50	J	75	28	8.5	pg/L	12/17/23 12:06 1	6
PCB-174	290		75	38	10	pg/L	12/17/23 12:06 1	
PCB-175	13	J	75	38	11	pg/L	12/17/23 12:06 1	
PCB-176	43	J	75	19	5.6	pg/L	12/17/23 12:06 1	
PCB-177	170		75	28	8.5	pg/L	12/17/23 12:06 1	8
PCB-178	81		75	56	14	pg/L	12/17/23 12:06 1	
PCB-179	130		75	28	8.5	pg/L	12/17/23 12:06 1	0
PCB-18/30	47	U	75	47	23	pg/L	12/17/23 12:06 1	
PCB-180/193	590		150	66	18	pg/L	12/17/23 12:06 1	
PCB-181	28	U	75	28	7.5	pg/L	12/17/23 12:06 1	
PCB-182	38	U	75	38	10	pg/L	12/17/23 12:06 1	
PCB-183/185	200		150	75	21	pg/L	12/17/23 12:06 1	
PCB-184	38	U	75	38	13	pg/L	12/17/23 12:06 1	
PCB-186	38	U	75	38	10	pg/L	12/17/23 12:06 1	
PCB-187	430		75	38	10	pg/L	12/17/23 12:06 1	
PCB-188	170	U	190	170	44	pg/L	12/17/23 12:06 1	13
PCB-189	38	UM	75	38	14	pg/L	12/17/23 12:06 1	
PCB-19	28	U	38	28	10	pg/L	12/17/23 12:06 1	
PCB-190	49	J	75	38	15	pg/L	12/17/23 12:06 1	
PCB-191	11	J	75	28	9.4	pg/L	12/17/23 12:06 1	
PCB-192	28	U	75	28	8.5	pg/L	12/17/23 12:06 1	
PCB-194	100	J	110	38	11	pg/L	12/17/23 12:06 1	
PCB-195	45	J	110	47	13	pg/L	12/17/23 12:06 1	
PCB-196	65	J	110	38	10	pg/L	12/17/23 12:06 1	
PCB-198/199	120	J	230	47	17	pg/L	12/17/23 12:06 1	
PCB-2	47	UM	190	47	15	pg/L	12/17/23 12:06 1	
PCB-20/28	56	U	75	56	26	pg/L	12/17/23 12:06 1	
PCB-201	180	U	380	180	46	pg/L	12/17/23 12:06 1	
PCB-202	20	J	110	28	8.5	pg/L	12/17/23 12:06 1	
PCB-203	69	J	110	47	12	pg/L	12/17/23 12:06 1	
PCB-204	38	U	110	38	9.4	pg/L	12/17/23 12:06 1	
PCB-205	7.6	J	110	19	6.6	pg/L	12/17/23 12:06 1	
PCB-206	23	JM	110	19	6.6	pg/L	12/17/23 12:06 1	
PCB-207	38	UM	110	38	9.4	pg/L	12/17/23 12:06 1	
PCB-208	100	UM	110	100	52	pg/L	12/17/23 12:06 1	
DCB Decachlorobiphenyl	710	UM	940	710	230	pg/L	12/17/23 12:06 1	
PCB-21/33	56	U	75	56	27	pg/L	12/17/23 12:06 1	
PCB-22	28	UM	38	28	13	pg/L	12/17/23 12:06 1	
PCB-23	28	U	38	28	14	pg/L	12/17/23 12:06 1	
PCB-24	33	U	38	33	16	pg/L	12/17/23 12:06 1	
PCB-25	28	UM	38	28	12	pg/L	12/17/23 12:06 1	
PCB-26/29	68	U	75	68	34	pg/L	12/17/23 12:06 1	
PCB-27	24	UM	38	24	10	pg/L	12/17/23 12:06 1	
PCB-3	38	UM	190	38	10	pg/L	12/17/23 12:06 1	
PCB-31	28	U	38	28	13	pg/L	12/17/23 12:06 1	
PCB-32	19	U	38	19	7.5	pg/L	12/17/23 12:06 1	
PCB-34	33	U	38	33	16	pg/L	12/17/23 12:06 1	
PCB-35	37	UM	38	37	18	pg/L	12/17/23 12:06 1	

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-4 Date Collected: 11/10/23 09:10 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-4

Matrix: Water

Method: EPA 1668C - Chlorinated Biphenyl	Congeners	(HRGC/HRN	IS) (Conti	inued)					
Analyte Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac	5
PCB-36 28	U	38	28	13	pg/L		12/17/23 12:06	1	
PCB-37 19	U	38	19	7.5	pg/L		12/17/23 12:06	1	6
PCB-38 33	U	38	33	16	pg/L		12/17/23 12:06	1	
PCB-39 34	U	38	34	17	pg/L		12/17/23 12:06	1	
PCB-4 41	U	42	41	21	pg/L		12/17/23 12:06	1	
PCB-40/71 56	UM	150	56	15	pg/L		12/17/23 12:06	1	Q
PCB-41 38	UM	75	38	10	pg/L		12/17/23 12:06	1	0
PCB-42 38	U	75	38	11	pg/L		12/17/23 12:06	1	
PCB-43 38	U	75	38	10	pg/L		12/17/23 12:06	1	9
PCB-44/47/65 85	UM	230	85	23	pg/L		12/17/23 12:06	1	
PCB-45 38	U	75	38	17	pa/L		12/17/23 12:06	1	
PCB-46 38	U	75	38	10	pa/L		12/17/23 12:06	1	
PCB-48 28	U	75	28	8.5	pa/L		12/17/23 12:06	1	
PCB-49/69 66	U	150	66	17	pa/L		12/17/23 12:06	1	
PCB-5 38	U	42	38	19	pa/L		12/17/23 12:06		
PCB-50/53 190	U	280	190	86	pa/l		12/17/23 12:06	1	
PCB-51 47	UM	75	47	12	pa/l		12/17/23 12:06	1	
PCB-52 21		75	38	11	pg/L		12/17/23 12:06		
PCB-54 38	U U	75	38	17	pg/L		12/17/23 12:06	1	
PCB-55 38	0	75	38	10	pg/⊑ ng/l		12/17/23 12:06	1	
PCB-56 38		75	38	13	pg/⊑		12/17/23 12:06		
PCB-57 38		75	38	10	pg/∟ pg/l		12/17/23 12:00	1	
PCB-58 38		75	38	10	pg/∟ pg/l		12/17/23 12:00	1	
PCB 50/62/75		230	04	24	pg/L		12/17/23 12:00		
PCB-6 34		230	34	24 17	pg/∟ pg/l		12/17/23 12:00	1	
		75	20	0 5	pg/∟ pg/l		12/17/22 12:00	1	
PCB-00 20		200	20	0.0 20	pg/L		12/17/22 12:00		
		300	20	20	pg/L		12/17/23 12:00	1	
		75	20	12	pg/L		12/17/23 12:00	1	
PCD-04 30		75	30 20	9.4	pg/L		12/17/23 12:00	ا ۲	
PCD-00 30	0	75	30	10	pg/L		12/17/23 12:00	1	
PCB-07 38	U	75	38	10	pg/L		12/17/23 12:06	1	
PCB-08 38	U	75	38	9.4	pg/L		12/17/23 12:06	· · · · · · · .	
PCB-7 33	U	38	33	15	pg/L		12/17/23 12:06	1	
PCB-72 28		75	28	8.5	pg/L		12/17/23 12:06	1	
PCB-73 38	0	75	38	10	pg/L		12/17/23 12:06	· · · · · · .	
PCB-77 38	U	75	38	18	pg/L		12/17/23 12:06	1	
PCB-78 38	U	75	38	14	pg/L		12/17/23 12:06	1	
PCB-79 38	U	/5	38	9.4	pg/L		12/17/23 12:06	1	
PCB-8 31	0	38	31	15	pg/L		12/17/23 12:06	1	
PCB-80 38	0	75	38	9.4	pg/L		12/17/23 12:06	1	
PCB-81 38	U	75	38	9.4	pg/L		12/17/23 12:06	1	
PCB-82 38	U	75	38	12	pg/L		12/17/23 12:06	1	
PCB-83 38	U	75	38	14	pg/L		12/17/23 12:06	1	
PCB-84 56	U	75	56	24	pg/L		12/17/23 12:06	1	
PCB-85/116/117 120	U	230	120	32	pg/L		12/17/23 12:06	1	
PCB-86/87/97/109/119/125 280	UM	450	280	140	pg/L		12/17/23 12:06	1	
PCB-88 38	UM	75	38	16	pg/L		12/17/23 12:06	1	
PCB-89 38	U	75	38	14	pg/L		12/17/23 12:06	1	
PCB-9 33	U	38	33	16	pg/L		12/17/23 12:06	1	

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-4 Date Collected: 11/10/23 09:10 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-4

Matrix: Water

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit I	D Analyzed	Dil Fac	5
PCB-90/101/113	260		230	110	38	pg/L	12/17/23 12:06	1	
PCB-91	38	U	75	38	14	pg/L	12/17/23 12:06	1	6
PCB-92	41	J	75	38	11	pg/L	12/17/23 12:06	1	
PCB-93/100	75	UM	150	75	24	pg/L	12/17/23 12:06	1	
PCB-94	38	U	75	38	12	pg/L	12/17/23 12:06	1	
PCB-95	170		75	38	11	pg/L	12/17/23 12:06	1	8
PCB-96	38	U	75	38	17	pg/L	12/17/23 12:06	1	
PCB-98/102	94	U	190	94	27	pg/L	12/17/23 12:06	1	0
PCB-99	33	J	75	38	11	pg/L	12/17/23 12:06	1	3
Total Monochlorobiphenyls	38	U	190	38	10	pg/L	12/17/23 12:06	1	
Total Dichlorobiphenyls	30	U	38	30	15	pg/L	12/17/23 12:06	1	
Total Trichlorobiphenyls	19	U	38	19	7.5	pg/L	12/17/23 12:06	1	
Total Tetrachlorobiphenyls	21	JI	75	28	8.5	pg/L	12/17/23 12:06	1	
Total Pentachlorobiphenyls	660	I.	75	19	6.6	pg/L	12/17/23 12:06	1	
Total Hexachlorobiphenyls	3900	1	75	19	5.6	pg/L	12/17/23 12:06	1	
Total Heptachlorobiphenyls	2400		75	19	5.6	pg/L	12/17/23 12:06	1	
Total Octachlorobiphenyls	450		110	19	6.6	pg/L	12/17/23 12:06	1	
Total Nonachlorobiphenyls	23	J	110	19	6.6	pg/L	12/17/23 12:06	1	
Polychlorinated biphenyls, Total	7400	1	38	19	5.6	pg/L	12/17/23 12:06	1	
PCB-197/200	22	J	230	47	13	pg/L	12/17/23 12:06	1	
Isotope Dilution	%Recovery Q	ualifier	Limits			Prepared	Analyzed	Dil Fac	
PCB-1L	30		5 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-104L	58		10 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-105L	71		10 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-114L	69		10 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-118L	64		10 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-123L	68		10 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-126L	67		10 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-127L	65		10 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-155L	78		10_145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-156L/157L	67		10 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-167L	70		10 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-169L	56		10_145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-180L	88		10 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-188L	98		10_145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-189L	78		10_145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-19L	44		5_145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-202L	94		10_145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-205L	89		10 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-206L	93		10 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-208L	93		10 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-209L	94		10_145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-3L	38		5 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-31L	50		5 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-32L	51		5_145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-37L	64		5 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-4L	35		5 - 145			12/14/23 23:5	7 12/17/23 12:06	1	
PCB-54L	55		5 - 145			12/14/23 23:5	7 12/17/23 12:06	1	

Limits

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10-145

Method: EPA 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued) %Recovery Qualifier

36

78

66

48

83

80

83

65

56

70

65

82

Client Sample ID: MP-4 Date Collected: 11/10/23 09:10 Date Received: 11/10/23 16:03

Isotope Dilution

PCB-8L

PCB-81L

PCB-95L

PCB-15L

PCB-128L

PCB-133L

PCB-141L

PCB-162L

PCB-47L

PCB-60L

PCB-70L

PCB-85L

Client Sample ID: MP-5

Lab Sample ID: 410-151123-4 **Matrix: Water**

12/14/23 23:57 12/17/23 12:06

12/14/23 23:57 12/17/23 12:06

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Lab Sample ID: 410-151123-5

-									
Method: EPA 1668C - Chlo	rinated Biphenyl	Congeners (IS)		Unit	_	Applyzod	
PCB-1			190		17		<u></u>	12/17/23 13·22	
PCB-10	00 /1		190	41	21	pg/L		12/17/23 13.22	1
PCB 102	41	0	75	38	10	pg/L		12/17/23 13:22	1
PCB-103	38		75	38	16	pg/∟ ng/l		12/17/23 13:22	
PCB 105	30	0	75	38	10	pg/L pg/l		12/17/23 13:22	1
PCB-106	38	П	75	38	18	pg/L pg/l		12/17/23 13:22	1
PCB 107	20	U M	75	38	13	pg/⊏		12/17/23 13.22	
PCB-108/124	75		150	75	24	pg/L pg/l		12/17/23 13:22	1
PCB-11	180		280	260	100	pg/L		12/17/23 13:22	1
PCB-110/115	640	•	150	94	24	pg/L		12/17/23 13:22	
PCB-111	38	U	75	38	12	pg/L		12/17/23 13:22	1
PCB-112	38	U	75	38	15	pg/l		12/17/23 13.22	1
PCB-114	38	U	75	38	17	pg/L		12/17/23 13:22	
PCB-118	270	•	75	38	16	pg/l		12/17/23 13.22	1
PCB-12/13	66	U	75	66	32	pa/L		12/17/23 13:22	1
PCB-120	38		75	38	13	pa/l		12/17/23 13.22	
PCB-121	38	U	75	38	11	pa/L		12/17/23 13:22	1
PCB-122	38	U	75	38	11	pa/L		12/17/23 13:22	1
PCB-123	66	U	75	66	21	pa/L		12/17/23 13:22	1
PCB-126	66	U	75	66	27	pg/L		12/17/23 13:22	1
PCB-127	19	U	75	19	6.6	pg/L		12/17/23 13:22	1
PCB-128/166	240		150	66	17	pg/L		12/17/23 13:22	1
PCB-129/138/163	4500		230	100	27	pg/L		12/17/23 13:22	1
PCB-130	160		75	38	10	pg/L		12/17/23 13:22	1
PCB-131	38	U	75	38	11	pg/L		12/17/23 13:22	1
PCB-132	1100		75	38	10	pg/L		12/17/23 13:22	1
PCB-133	44	J	75	38	9.4	pg/L		12/17/23 13:22	1
PCB-134	120		75	38	16	pg/L		12/17/23 13:22	1
PCB-135/151	2100		150	94	30	pg/L		12/17/23 13:22	1
PCB-136	550	cn	75	38	14	pg/L		12/17/23 13:22	1
PCB-137	38	U	75	38	11	na/l		12/17/23 13:22	
Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-5 Date Collected: 11/10/23 09:32 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-5 Matrix: Water

5

6

Method: EPA 1668C - Chlorinated Biphe	enyl	Congener	s (HRGC/HR	MS) (Con	tinued)				
Analyte R	esult	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-139/140	66	U	150	66	18	pg/L		12/17/23 13:22	1
PCB-14	38	U	42	38	19	pg/L		12/17/23 13:22	1
PCB-141	1000		75	19	5.6	pg/L		12/17/23 13:22	1
PCB-142	28	U	75	28	8.4	pg/L		12/17/23 13:22	1
PCB-143	38	UМ	75	38	10	pg/L		12/17/23 13:22	1
PCB-144	250	cn	75	47	20	pg/L		12/17/23 13:22	1
PCB-145	47	U	75	47	22	pg/L		12/17/23 13:22	1
PCB-146	610		75	38	9.4	pg/L		12/17/23 13:22	1
PCB-147/149	3800		150	75	19	pg/L		12/17/23 13:22	1
PCB-148	38	U	75	38	15	pg/L		12/17/23 13:22	1
PCB-15	38	U	42	38	19	pg/L		12/17/23 13:22	1
PCB-150	38	U	75	38	18	pg/L		12/17/23 13:22	1
PCB-152	38	U	75	38	13	pg/L		12/17/23 13:22	1
PCB-153/168	4500		150	75	17	pg/L		12/17/23 13:22	1
PCB-154	94	U	190	94	42	pg/L		12/17/23 13:22	1
PCB-155	38	U	75	38	19	pg/L		12/17/23 13:22	1
PCB-156/157	220		150	75	27	pg/L		12/17/23 13:22	1
PCB-158	330		75	38	10	pg/L		12/17/23 13:22	1
PCB-159	52	J	75	47	13	pg/L		12/17/23 13:22	1
PCB-16	16	J	38	28	13	pg/L		12/17/23 13:22	1
PCB-160	38	U	75	38	11	pg/L		12/17/23 13:22	1
PCB-161	38	U	75	38	9.4	pg/L		12/17/23 13:22	1
PCB-162	28	U	75	28	8.4	pg/L		12/17/23 13:22	1
PCB-164	350		75	19	6.6	pg/L		12/17/23 13:22	1
PCB-165	38	U	75	38	9.4	pg/L		12/17/23 13:22	1
PCB-167	93		75	38	10	pg/L		12/17/23 13:22	1
PCB-169	38	U	75	38	17	pg/L		12/17/23 13:22	1
PCB-17	19	J	38	28	10	pg/L		12/17/23 13:22	1
PCB-170	1900		75	38	10	pg/L		12/17/23 13:22	1
PCB-171/173	580		150	47	15	pg/L		12/17/23 13:22	1
PCB-172	370		75	28	8.4	pg/L		12/17/23 13:22	1
PCB-174	2200		75	38	10	pg/L		12/17/23 13:22	1
PCB-175	84		75	38	11	pg/L		12/17/23 13:22	1
PCB-176	290		75	19	5.6	pg/L		12/17/23 13:22	1
PCB-177	1200		75	28	8.4	pg/L		12/17/23 13:22	1
PCB-178	530		75	56	14	pg/L		12/17/23 13:22	1
PCB-179	930		75	28	8.4	pg/L		12/17/23 13:22	1
PCB-18/30	31	J	75	47	23	pg/L		12/17/23 13:22	1
PCB-180/193	4200		150	66	18	pg/L		12/17/23 13:22	1
PCB-181	28	U	75	28	7.5	pg/L		12/17/23 13:22	1
PCB-182	38	U	75	38	10	pg/L		12/17/23 13:22	1
PCB-183/185	1500		150	75	21	pg/L		12/17/23 13:22	1
PCB-184	38	U	75	38	13	pg/L		12/17/23 13:22	1
PCB-186	38	U	75	38	10	pg/L		12/17/23 13:22	1
PCB-187	2800		75	38	10	pg/L		12/17/23 13:22	1
PCB-188	170	U	190	170	44	pg/L		12/17/23 13:22	1
PCB-189	71	JM	75	38	14	pg/L		12/17/23 13:22	1
PCB-19	28	U	38	28	10	pg/L		12/17/23 13:22	1
PCB-190	430		75	38	15	pg/L		12/17/23 13:22	1

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-5 Date Collected: 11/10/23 09:32 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-5 Matrix: Water

Method: EPA 1668C - C	Chlorinated Biphenyl	Congeners	(HRGC/HRM	IS) (Conti	inued)					
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac	5
PCB-191	71	J	75	28	9.4	pg/L		12/17/23 13:22	1	
PCB-192	28	U	75	28	8.4	pg/L		12/17/23 13:22	1	6
PCB-194	970		110	38	11	pg/L		12/17/23 13:22	1	
PCB-195	440		110	47	13	pg/L		12/17/23 13:22	1	
PCB-196	560		110	38	10	pg/L		12/17/23 13:22	1	
PCB-198/199	1100		230	47	17	pg/L		12/17/23 13:22	1	8
PCB-2	47	U	190	47	15	pg/L		12/17/23 13:22	1	
PCB-20/28	54	J	75	56	26	pg/L		12/17/23 13:22	1	0
PCB-201	130	J	380	180	46	pg/L		12/17/23 13:22	1	3
PCB-202	190		110	28	8.4	pg/L		12/17/23 13:22	1	
PCB-203	690		110	47	12	pg/L		12/17/23 13:22	1	
PCB-204	38	U	110	38	9.4	pg/L		12/17/23 13:22	1	
PCB-205	66	J	110	19	6.6	pg/L		12/17/23 13:22	1	
PCB-206	260		110	19	6.6	pg/L		12/17/23 13:22	1	
PCB-207	34	J	110	38	9.4	pg/L		12/17/23 13:22	1	
PCB-208	100	U	110	100	52	pg/L		12/17/23 13:22	1	
DCB Decachlorobiphenyl	700	U	940	700	230	pg/L		12/17/23 13:22	1	13
PCB-21/33	29	J	75	56	27	pg/L		12/17/23 13:22	1	
PCB-22	19	J	38	28	13	pa/L		12/17/23 13:22	1	
PCB-23	28	U	38	28	14	pa/L		12/17/23 13:22	1	
PCB-24	33	U	38	33	16	pa/L		12/17/23 13:22	1	
PCB-25	28	U	38	28	12	pa/L		12/17/23 13:22	1	
PCB-26/29			75	68	34	pa/l		12/17/23 13.22		
PCB-27	23	U	38	23	10	pa/l		12/17/23 13:22	1	
PCB-3	38	U	190	38	10	pa/L		12/17/23 13:22	1	
PCB-31	49		38	28	13	pg/l		12/17/23 13:22		
PCB-32	23	л	38	19	7.5	pa/l		12/17/23 13:22	1	
PCB-34	33	Ŭ	38	33	16	pa/l		12/17/23 13:22	1	
PCB-35	37	·	38	37	18	pa/l		12/17/23 13.22	1	
PCB-36	28	U	38	28	13	pa/l		12/17/23 13:22	1	
PCB-37	18		38	19	7.5	pa/l		12/17/23 13.22	1	
PCB-38	33		38	33	16	pa/L		12/17/23 13:22		
PCB-39	34	Ŭ	38	34	17	pa/l		12/17/23 13.22	1	
PCB-4	41	UМ	42	41	21	pa/l		12/17/23 13:22	1	
PCB-40/71	32		150	56	15	pg/L		12/17/23 13:22		
PCB-41	38	- U	75	38	10	pa/L		12/17/23 13:22	1	
PCB-42	17	J	75	38	11	pg/L		12/17/23 13:22	1	
PCB-43	38	·	75	38	10	pa/l		12/17/23 13.22		
PCB-44/47/65	190	J	230	84	23	pg/L		12/17/23 13:22	1	
PCB-45	38	ŬМ	75	38	17	pa/L		12/17/23 13:22	1	
PCB-46	38		75	38	10	pa/l		12/17/23 13.22		
PCB-48	12		75	28	84	pa/l		12/17/23 13:22	1	
PCB-49/69	69	J	150		17	pa/L		12/17/23 13:22	1	
PCB-5	.38	. <u>.</u>	42	38	19	pa/L		12/17/23 13:22	· · · · · · · · · · · 1	
PCB-50/53	190	U	280	190	85	pa/L		12/17/23 13:22	1	
PCB-51	76	-	75	47	12	pa/L		12/17/23 13:22	1	
PCB-52	70 100		75			pg/l		12/17/23 13:22		
PCB-54	38	U	75	38	17	pa/l		12/17/23 13:22	1	
PCB-55	28	U U	75	38	10	rg/⊏ ng/l		12/17/23 13:22	1	
	50	5	15	50	10	P9' -				

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: MP-5 Date Collected: 11/10/23 09:32 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-5 Matrix: Water

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Method: EPA 1668C - Chlorina	ated Biphenyl	Congener	s (HRGC/HRM	IS) (Conti	nued)		_		
Analyte	Result	Qualifier				Unit	<u>D</u>	Analyzed	DILFac
PCB-56	15		/5	38	13	pg/L		12/17/23 13:22	1
PCB-57	38	U	75	38	11	pg/L		12/17/23 13:22	1
PCB-58	16	JM	75	38	10	pg/L		12/17/23 13:22	1
PCB-59/62/75	94	U	230	94	23	pg/L		12/17/23 13:22	1
PCB-6	34	U	38	34	17	pg/L		12/17/23 13:22	1
PCB-60	8.5	J	75	28	8.4	pg/L		12/17/23 13:22	1
PCB-61/70/74/76	79	J	300	110	28	pg/L		12/17/23 13:22	1
PCB-63	38	U	75	38	12	pg/L		12/17/23 13:22	1
PCB-64	31	J	75	38	9.4	pg/L		12/17/23 13:22	1
PCB-66	37	J	75	38	10	pg/L		12/17/23 13:22	1
PCB-67	38	U	75	38	10	pg/L		12/17/23 13:22	1
PCB-68	38	UM	75	38	9.4	pg/L		12/17/23 13:22	1
PCB-7	33	U	38	33	15	pg/L		12/17/23 13:22	1
PCB-72	28	U	75	28	8.4	pg/L		12/17/23 13:22	1
PCB-73	38	U	75	38	10	pg/L		12/17/23 13:22	1
PCB-77	38	U	75	38	18	pg/L		12/17/23 13:22	1
PCB-78	38	U	75	38	14	pg/L		12/17/23 13:22	1
PCB-79	38	U	75	38	9.4	pg/L		12/17/23 13:22	1
PCB-8	24	JI	38	31	15	pg/L		12/17/23 13:22	1
PCB-80	38	U	75	38	9.4	pg/L		12/17/23 13:22	1
PCB-81	38	U	75	38	9.4	pg/L		12/17/23 13:22	1
PCB-82	21	JI	75	38	12	pg/L		12/17/23 13:22	1
PCB-83	35	JIM	75	38	14	pg/L		12/17/23 13:22	1
PCB-84	60	J	75	56	23	pa/L		12/17/23 13:22	1
PCB-85/116/117	43		230	120	32	pg/L		12/17/23 13:22	1
PCB-86/87/97/109/119/125	240	.I M	450	280	140	pa/L		12/17/23 13:22	1
PCB-88	38	UM	75	38	16	pa/L		12/17/23 13:22	1
PCB-89	38	U	75	38	14	pa/L		12/17/23 13:22	
PCB-9	33	U	38	33	16	pa/l		12/17/23 13:22	1
PCB-90/101/113	1000	C	230	110	38	pa/l		12/17/23 13:22	1
PCB-91	61		75	38	14	pa/l		12/17/23 13:22	1
PCB-92	150	•	75	38	11	pg/=		12/17/23 13:22	1
PCB-93/100	31		150	75	23	pg/L		12/17/23 13:22	1
PCB-94	38	·	75	38	12	pg/⊏ ng/l		12/17/23 13:22	
PCB-95	080	0	75	38	11	pg/⊏ ng/l		12/17/23 13:22	1
PCB-96	38		75	38	17	pg/⊏ ng/l		12/17/23 13:22	1
PCB-98/102	94		190	94	27	pg/⊏ ng/l		12/17/23 13:22	
	120	M	75	38	11	pg/⊑ ng/l		12/17/23 13:22	1
Total Monochlorobinhenvils	38		100	38	10	pg/∟ pg/l		12/17/23 13:22	1
	200		38	30	10	pg/L		12/17/23 13:22	
Total Trichlorobiphenyls	200	1	39	10	75	pg/∟ ng/l		12/17/23 13:22	1
	260	1	30 75	19 20	C.1 ΛΩ	pg/∟ pg/l		12/11/23 13.22	1
Total Dentachlorobinhamula	080		13	20 10	0.4	pg/∟		12/11/20 10.22	ا ا
	00000	1	75	19	0.0	pg/∟ pg/l		12/11/20 10.22	1
	20000		10	19	5.0 E C	pg/∟		12/11/20 10:22	1
Total Heptachiorobiphenyis	1/000		10	19	0.C	pg/∟		12/11/23 13:22	۲ ۲
Iotal Octachlorobiphenyls	4300		110	19	6.6	pg/L		12/17/23 13:22	1
Iotal Nonachlorobiphenyls	290		110	19	6.6	pg/∟		12/17/23 13:22	1
Polychlorinated biphenyls, Total	46000		38	19	5.6	pg/L		12/17/23 13:22	1
PCB-197/200	180	J	230	47	13	pg/L		12/17/23 13:22	1

Lab Sample ID: 410-151123-5 Matrix: Water

Date Collected: 11/10/23 09:32 Date Received: 11/10/23 16:03

Client Sample ID: MP-5

Isotope Dilution %Recover	ry Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-1L	37	5 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-104L	45	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-105L	59	10_145	12/14/23 23:57	12/17/23 13:22	1
PCB-114L	58	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-118L	52	10_145	12/14/23 23:57	12/17/23 13:22	1
PCB-123L	55	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-126L	55	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-127L	54	10_145	12/14/23 23:57	12/17/23 13:22	1
PCB-155L	55	10_145	12/14/23 23:57	12/17/23 13:22	1
PCB-156L/157L	52	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-167L	54	10_145	12/14/23 23:57	12/17/23 13:22	1
PCB-169L	54	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-180L	59	10_145	12/14/23 23:57	12/17/23 13:22	1
PCB-188L	62	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-189L	55	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-19L	46	5 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-202L	63	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-205L	62	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-206L	61	10_145	12/14/23 23:57	12/17/23 13:22	1
PCB-208L	59	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-209L	59	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-3L	43	5 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-31L	46	5 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-32L	49	5 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-37L	52	5 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-4L	41	5 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-54L	48	5 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-77L	64	10_145	12/14/23 23:57	12/17/23 13:22	1
PCB-8L	39	5 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-81L	64	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-95L	53	10_145	12/14/23 23:57	12/17/23 13:22	1
PCB-15L	46	5 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-128L	61	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-133L	59	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-141L	61	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-162L	50	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-47L	47	5 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-60L	58	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-70L	53	10 - 145	12/14/23 23:57	12/17/23 13:22	1
PCB-85L	66	10_145	12/14/23 23:57	12/17/23 13:22	1

Client Sample ID: Field Blank

Date Collected: 11/10/23 09:38 Date Received: 11/10/23 16:03

Method: EPA 1668C - Chlo	prinated Biphenyl	Congeners	(HRGC/HRM	/IS)					
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-1	66	UM	190	66	17	pg/L		12/17/23 17:33	1
PCB-10	42	U	43	42	21	pg/L		12/17/23 17:33	1
PCB-103	38	U	76	38	10	pg/L		12/17/23 17:33	1
PCB-104	38	U	76	38	16	pg/L		12/17/23 17:33	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Sample ID: 410-151123-6

Matrix: Water

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

Client Sample ID: Field Blank Date Collected: 11/10/23 09:38 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-6 Matrix: Water

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6

Method: EPA 1668C -	Chlorinated Biphenvl	Congener	s (HRGC/HR	IS) (Cont	inued)				
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-105	38	UM	76	38	10	pg/L		12/17/23 17:33	1
PCB-106	38	U	76	38	18	pg/L		12/17/23 17:33	1
PCB-107	38	U	76	38	13	pg/L		12/17/23 17:33	1
PCB-108/124	76	U	150	76	25	pa/L		12/17/23 17:33	1
PCB-11	260	UM	280	260	100	pg/L		12/17/23 17:33	1
PCB-110/115	95	U	150	95	25	pa/L		12/17/23 17:33	1
PCB-111	38	U	76	38	12	pa/L		12/17/23 17:33	1
PCB-112	38	U	76	38	15	pa/L		12/17/23 17:33	1
PCB-114	38	UM	76	38	17	pa/l		12/17/23 17:33	
PCB-118	38	UM	76	38	16	pa/l		12/17/23 17:33	1
PCB-12/13	66	U	76	66	32	pa/l		12/17/23 17:33	1
PCB-120	38	Ű	76	38	13	pg/L		12/17/23 17:33	
PCB-121	38	U	76	38	11	pg/L		12/17/23 17:33	1
PCB-122	38	U	76	38	11	pa/l		12/17/23 17:33	1
PCB-123	60 66	UM	76	66	21	pg/⊑		12/17/23 17:33	
PCB-126	60 66		76	66	28	pg/⊑ ng/l		12/17/23 17:33	1
PCB-127	10		76	10	6.6	pg/∟ ng/l		12/17/23 17:33	1
PCB-128/166	66	UM	150	66	17	pg/∟ ng/l		12/17/23 17:33	
PCB-120/138/163	100		230	100	28	pg/L		12/17/23 17:33	1
PCB-130	38		230	38	10	pg/∟ pg/l		12/17/23 17:33	1
DCB 131	20		76	30	10	pg/∟		12/17/23 17:33	· · · · · · · · · · · · · · · · · · ·
	30	0	70	30	10	pg/∟ pg/l		12/17/23 17:33	1
PCB-132	30	U	70	30 20	10	pg/∟		12/17/23 17.33	1
PCB-133	30 20		70	30 20	9.0	pg/∟		12/17/23 17:33	· · · · · · · · · · · · · · · · · · ·
PCB-134	30	UM	150	30 05	20	pg/∟		12/17/23 17:33	1
PCB-135/151	95		150	95	30	pg/L		12/17/23 17:33	1
PCB-130	30 20		70	30 20	14	pg/∟		12/17/23 17:33	· · · · · · · · · · · · · · · · · · ·
PCB-137	30	0	150	30	10	pg/∟		12/17/23 17:33	1
PCB-139/140	00	0	150	00	10	pg/L		12/17/23 17:33	1
PCB-14	38	U	43	38	19	pg/L		12/17/23 17:33	· · · · · · · · ·
PCB-141	19	U	76	19	5.7	pg/L		12/17/23 17:33	1
PCB-142	28	U	76	28	8.5	pg/L		12/17/23 17:33	1
PCB-143	38	U	/6	38	10	pg/L		12/17/23 17:33	1
PCB-144	47	U cn	76	47	20	pg/L		12/17/23 17:33	1
PCB-145	47	U	76	47	22	pg/L		12/17/23 17:33	1
PCB-146	38	U	/6	38	9.5	pg/L		12/17/23 17:33	1
PCB-147/149	76	ОМ	150	76	19	pg/L		12/17/23 17:33	1
PCB-148	38	U	76	38	15	pg/L		12/17/23 17:33	1
PCB-15	38	U	43	38	19	pg/L		12/17/23 17:33	1
PCB-150	38	U	76	38	18	pg/L		12/17/23 17:33	1
PCB-152	38	0	76	38	13	pg/L		12/17/23 17:33	1
PCB-153/168	76	U	150	76	17	pg/L		12/17/23 17:33	1
PCB-154	95	0	190	95	43	pg/L 		12/17/23 17:33	1
PCB-155	38	U	76	38	19	pg/L		12/17/23 17:33	1
PCB-156/157	76	UM	150	76	28	pg/L		12/17/23 17:33	1
PCB-158	38	U	76	38	10	pg/L		12/17/23 17:33	1
PCB-159	47	U	76	47	13	pg/L		12/17/23 17:33	1
PCB-16	28	UM	38	28	13	pg/L		12/17/23 17:33	1
PCB-160	38	U	76	38	11	pg/L		12/17/23 17:33	1
PCB-161	38	U	76	38	9.5	pg/L		12/17/23 17:33	1

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

Client Sample ID: Field Blank Date Collected: 11/10/23 09:38 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-6

Matrix: Water

5 6

Method: EPA 1668C - Ch	lorinated Biphenvl	Congener	s (HRGC/HRI	MS) (Cont	tinued)				
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-162	28	U	76	28	8.5	pg/L		12/17/23 17:33	1
PCB-164	19	U	76	19	6.6	pg/L		12/17/23 17:33	1
PCB-165	38	U	76	38	9.5	pg/L		12/17/23 17:33	1
PCB-167	38	U	76	38	10	pg/L		12/17/23 17:33	1
PCB-169	38	UM	76	38	17	pg/L		12/17/23 17:33	1
PCB-17	28	UM	38	28	10	pg/L		12/17/23 17:33	1
PCB-170	38	UM	76	38	10	pg/L		12/17/23 17:33	1
PCB-171/173	47	U	150	47	15	pg/L		12/17/23 17:33	1
PCB-172	28	U	76	28	8.5	pg/L		12/17/23 17:33	1
PCB-174	38	UM	76	38	10	pg/L		12/17/23 17:33	1
PCB-175	38	U	76	38	11	pg/L		12/17/23 17:33	1
PCB-176	19	U	76	19	5.7	pg/L		12/17/23 17:33	1
PCB-177	28	UM	76	28	8.5	pg/L		12/17/23 17:33	1
PCB-178	57	U	76	57	14	pg/L		12/17/23 17:33	1
PCB-179	28	UM	76	28	8.5	pg/L		12/17/23 17:33	1
PCB-18/30	47	UM	76	47	23	pg/L		12/17/23 17:33	1
PCB-180/193	66	U	150	66	18	pg/L		12/17/23 17:33	1
PCB-181	28	U	76	28	7.6	pg/L		12/17/23 17:33	1
PCB-182	38	U	76	38	10	pg/L		12/17/23 17:33	1
PCB-183/185	76	U	150	76	21	pg/L		12/17/23 17:33	1
PCB-184	38	U	76	38	13	pg/L		12/17/23 17:33	1
PCB-186	38	U	76	38	10	pg/L		12/17/23 17:33	1
PCB-187	38	U	76	38	10	pg/L		12/17/23 17:33	1
PCB-188	170	UM	190	170	45	pg/L		12/17/23 17:33	1
PCB-189	38	U	76	38	14	pg/L		12/17/23 17:33	1
PCB-19	28	UM	38	28	10	pg/L		12/17/23 17:33	1
PCB-190	38	U	76	38	15	pg/L		12/17/23 17:33	1
PCB-191	28	U	76	28	9.5	pg/L		12/17/23 17:33	1
PCB-192	28	U	76	28	8.5	pg/L		12/17/23 17:33	1
PCB-194	17	J	110	38	11	pg/L		12/17/23 17:33	1
PCB-195	47	U	110	47	13	pg/L		12/17/23 17:33	1
PCB-196	38	U	110	38	10	pg/L		12/17/23 17:33	1
PCB-198/199	17	J	230	47	17	pg/L		12/17/23 17:33	1
PCB-2	47	UM	190	47	15	pg/L		12/17/23 17:33	1
PCB-20/28	57	U	76	57	27	pg/L		12/17/23 17:33	1
PCB-201	180	U	380	180	47	pg/L		12/17/23 17:33	1
PCB-202	28	UM	110	28	8.5	pg/L		12/17/23 17:33	1
PCB-203	47	UM	110	47	12	pg/L		12/17/23 17:33	1
PCB-204	38	U	110	38	9.5	pg/L		12/17/23 17:33	1
PCB-205	19	U	110	19	6.6	pg/L		12/17/23 17:33	1
PCB-206	13	JMI	110	19	6.6	pg/L		12/17/23 17:33	1
PCB-207	38	U	110	38	9.5	pg/L		12/17/23 17:33	1
PCB-208	100	U	110	100	52	pg/L		12/17/23 17:33	1
DCB Decachlorobiphenyl	710	UM	950	710	230	pg/L		12/17/23 17:33	1
PCB-21/33	57	UM	76	57	28	pg/L		12/17/23 17:33	1
PCB-22	28	UM	38	28	13	pg/L		12/17/23 17:33	1
PCB-23	28	U	38	28	14	pg/L		12/17/23 17:33	1
PCB-24	33	U	38	33	16	pg/L		12/17/23 17:33	1
PCB-25	28	UM	38	28	12	pg/L		12/17/23 17:33	1

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

Client Sample ID: Field Blank Date Collected: 11/10/23 09:38 Date Received: 11/10/23 16:03

Eurofins Lancaster Laboratories Environment Testing, LLC
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Lab Sample ID: 410-151123-6 Matrix: Water

Method: EPA 1668C - Chl	orinated Biphenyl	Congeners	(HRGC/HRN	IS) (Contir	iued)	Unit	D	Analyzad	
							D	Analyzeu	
PCB-20/29	08	U	76	68	34	pg/L		12/17/23 17:33	
PCB-27	24	U	38	24	10	pg/L		12/17/23 17:33	1
PCB-3	38	UM	190	38	10	pg/L		12/17/23 17:33	
PCB-31	28	U	38	28	13	pg/L		12/17/23 17:33	1
PCB-32	19	U M	38	19	7.6	pg/L		12/17/23 17:33	1
PCB-34	33	U	38	33	16	pg/L		12/17/23 17:33	1
PCB-35	37	U	38	37	18	pg/L		12/17/23 17:33	1
PCB-36	28	U	38	28	13	pg/L		12/17/23 17:33	1
PCB-37	19	UM	38	19	7.6	pg/L		12/17/23 17:33	1
PCB-38	33	UM	38	33	16	pg/L		12/17/23 17:33	1
PCB-39	34	UM	38	34	17	pg/L		12/17/23 17:33	1
PCB-4	42	U	43	42	21	pg/L		12/17/23 17:33	1
PCB-40/71	57	UM	150	57	15	pg/L		12/17/23 17:33	1
PCB-41	38	UM	76	38	10	pg/L		12/17/23 17:33	1
PCB-42	38	U	76	38	11	pg/L		12/17/23 17:33	1
PCB-43	38	U	76	38	10	pg/L		12/17/23 17:33	1
PCB-44/47/65	85	UM	230	85	23	pg/L		12/17/23 17:33	1
PCB-45	38	UM	76	38	17	pg/L		12/17/23 17:33	1
PCB-46	38	U	76	38	10	pg/L		12/17/23 17:33	1
PCB-48	28	U	76	28	8.5	pg/L		12/17/23 17:33	1
PCB-49/69	66	U	150	66	17	pg/L		12/17/23 17:33	1
PCB-5	38	U	43	38	19	pg/L		12/17/23 17:33	1
PCB-50/53	190	UM	280	190	86	pg/L		12/17/23 17:33	1
PCB-51	47	UM	76	47	12	pg/L		12/17/23 17:33	1
PCB-52	38	UM	76	38	11	pg/L		12/17/23 17:33	1
PCB-54	38	U	76	38	17	pg/L		12/17/23 17:33	1
PCB-55	38	UM	76	38	10	pg/L		12/17/23 17:33	1
PCB-56	38	UM	76	38	13	pg/L		12/17/23 17:33	1
PCB-57	38	U	76	38	11	pg/L		12/17/23 17:33	1
PCB-58	38	U	76	38	10	pg/L		12/17/23 17:33	1
PCB-59/62/75	95	U	230	95	24	pg/L		12/17/23 17:33	
PCB-6	34	U	38	34	17	pg/L		12/17/23 17:33	1
PCB-60	28	UМ	76	28	8.5	pa/L		12/17/23 17:33	1
PCB-61/70/74/76	110	UM	300	110	28	pa/L		12/17/23 17:33	1
PCB-63	38	U	76	38	12	pa/L		12/17/23 17:33	1
PCB-64	38	U	76	38	9.5	pa/L		12/17/23 17:33	1
PCB-66	38	UM	76	38	10	pa/l		12/17/23 17:33	1
PCB-67	38	U	76	38	10	pa/l		12/17/23 17:33	1
PCB-68	38	UM	76	38	9.5	pg/L		12/17/23 17:33	1
PCB-7	33		38	33	15	pg/L		12/17/23 17:33	
PCB-72	28	0	76	28	85	pg/L		12/17/23 17:33	1
PCB-72	20	0	76	38	10	pg/∟ ng/l		12/17/23 17:33	1
PCB-77	38	UM	76	38	18	pg/∟ pg/l		12/17/23 17:33	
PCB-78	20		76	20 20	10	pg/⊏ pg/l		12/17/23 17:23	1
PCB-70	30 20	5	70	20	14 0 E	pg/∟ pg/l		12/11/20 11.00	1
	30		10	30 24	9.0 4 r	pg/∟		12/11/20 17:00	ا بر
	31	U	38	31	15	pg/∟ pg/l		12/17/23 17:33	1
	38		70	30	9.5	pg/∟ ¤α/l		12/11/20 17:00	1
	38	UIVI	/b 70	38	9.5	pg/∟		12/17/23 17:33	1
PUB-82	38	UM	76	38	12	pg/L		12/17/23 17:33	1

Job ID: 410-151123-1

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

Client Sample ID: Field Blank Date Collected: 11/10/23 09:38 Date Received: 11/10/23 16:03

Job	ID:	410-	1511	23-1

Lab Sample ID: 410-151123-6 Matrix: Water

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Method: EPA 1668C - Chlorina	ated Biphenv	l Conaer	ners (HRGC/HF	RMS) (Con	tinued)			
Analyte	Resu	t Qualifie	r LOQ	LOD	DL	Unit D	Analyzed	Dil Fac
PCB-83	3	8 U	76	38	14	pg/L	12/17/23 17:33	1
PCB-84	5	7 U M	76	57	24	pg/L	12/17/23 17:33	1
PCB-85/116/117	12	0 U M	230	120	32	pg/L	12/17/23 17:33	1
PCB-86/87/97/109/119/125	28	о им	460	280	140	pg/L	12/17/23 17:33	1
PCB-88	3	8 U M	76	38	16	pg/L	12/17/23 17:33	1
PCB-89	3	8 U	76	38	14	pa/L	12/17/23 17:33	1
PCB-9	3	3 U	38	33	16	pa/L	12/17/23 17:33	1
PCB-90/101/113	11	0 U M	230	110	38	pa/L	12/17/23 17:33	1
PCB-91	3	8 U	76	38	14	pg/l	12/17/23 17:33	
PCB-92	3	8 U	76	38	11	pg/l	12/17/23 17:33	1
PCB-93/100	7	6 U M	150	76	24	pg/l	12/17/23 17:33	1
PCB-94		8 U	76	38	12	pg/L	12/17/23 17:33	
PCB-95	3	8 U	76	38	11	pg/L	12/17/23 17:33	1
PCB-96	3	8 11	76	38	17	pg/L	12/17/23 17:33	1
PCB-98/102	9	5 11	190	95	28	pg/L	12/17/23 17:33	
PCB-99	3	8 11	76	38	11	pg/L	12/17/23 17:33	1
Total Monochlorobinhenvis	3	8 11	190	38	10	pg/L	12/17/23 17:33	1
Total Dichlorobinhenvis	3		38	30	15	pg/L	12/17/23 17:33	
Total Trichlorobinhenvis	1	0 U 0 II	38	10	76	pg/L pg/l	12/17/23 17:33	1
Total Tetrachlorobinhenvis	2	8 U	50 76	28	85	pg/L	12/17/23 17:33	1
Total Pentachlorobinbenyls			70	10	6.6	pg/L	12/17/23 17:33	· · · · · · · · · · · · · · · · · · ·
Total Heyachlorobinhenvis	1	9 U	70	10	5.7	pg/L	12/17/23 17:33	1
	1		70	19	5.7	pg/L	12/17/23 17:33	1
	·····	4 11	110	10	5.7	pg/L	12/17/22 17:33	
Total Octachiorobiphenyls	3	4 J I 9 I I	110	19	0.0	pg/∟	12/17/23 17:33	1
Polychloringted higheryle. Total		3 J I 7 I	20	19	5.7	pg/L	12/17/23 17:33	1
	4	7 I 7 IIM	230	19	0.7 12	pg/∟	12/17/22 17:22	1
FCB-197/200	4		230	47	15	pg/∟ 	12/17/23 17:33	
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
PCB-1L	34		5 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-104L	48		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-105L	54		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-114L	52		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-118L	50		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-123L	52		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-126L	51		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-127L	50		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-155L	64		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-156L/157L	59		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-167L	56		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-169L	60		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-180L	61		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-188L	63		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-189L	59		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-19L	43		5 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-202L	62		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-205L	67		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-206L	72		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-208L	66		10 - 145			12/14/23 23:57	12/17/23 17:33	1
PCB-209L	74		10 - 145			12/14/23 23:57	12/17/23 17:33	1

Job ID: 410-151123-1

Client Sample ID: Field Blank Date Collected: 11/10/23 09:38 Date Received: 11/10/23 16:03

Lab Sample ID: 410-151123-6 Matrix: Water

Isotope Dilution	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac	
PCB-3L	39	5 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-31L	41	5 - 145	12/14/23 23:57	12/17/23 17:33	1	6
PCB-32L	45	5 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-37L	50	5 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-4L	37	5 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-54L	48	5 - 145	12/14/23 23:57	12/17/23 17:33	1	9
PCB-77L	60	10 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-8L	35	5 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-81L	60	10 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-95L	54	10 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-15L	41	5 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-128L	65	10 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-133L	64	10 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-141L	65	10 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-162L	52	10 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-47L	48	5 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-60L	55	10 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-70L	52	10 - 145	12/14/23 23:57	12/17/23 17:33	1	
PCB-85L	66	10 - 145	12/14/23 23:57	12/17/23 17:33	1	

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

Matrix: Water

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Prep Type: Total/NA

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7

_			Perce	ent Isotope	Dilution Re	ecovery (Ac	ceptance L	imits)	
		PCB1L	PCB104L	PCB105L	PCB114L	PCB118L	PCB123L	PCB126L	PCB127L
Lab Sample ID	Client Sample ID	(5-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)
410-151123-1	MP-1	34	45	57	55	51	54	54	53
410-151123-2	MP-2	24	58	61	60	57	61	56	55
410-151123-3	MP-3	40	61	70	67	63	67	62	63
410-151123-4	MP-4	30	58	71	69	64	68	67	65
410-151123-5	MP-5	37	45	59	58	52	55	55	54
410-151123-6	Field Blank	34	48	54	52	50	52	51	50
MB 410-454387/1-A	Method Blank	36	62	64	61	58	61	59	59
			Perce	ent Isotope	Dilution Re	ecovery (Ac	ceptance L	imits)	
		PCB155L	156157L	PCB167L	PCB169L	PCB180L	PCB188L	PCB189L	PCB19L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(5-145)
410-151123-1	MP-1	60	59	57	59	61	63	59	43
410-151123-2	MP-2	80	53	56	51	70	94	64	48
410-151123-3	MP-3	77	53	57	53	76	98	65	63
410-151123-4	MP-4	78	67	70	56	88	98	78	44
410-151123-5	MP-5	55	52	54	54	59	62	55	46
410-151123-6	Field Blank	64	59	56	60	61	63	59	43
MB 410-454387/1-A	Method Blank	76	69	64	70	79	82	68	56
			Perce	ent Isotope	Dilution Re	ecoverv (Ac	ceptance L	imits)	
		PCB202L	PCB205L	PCB206L	PCB208L	PCB209L	PCB3L	PCB31L	PCB32L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(5-145)	(5-145)	(5-145)
410-151123-1			68	68	67	68	40	43	46
410-151123-2	MP-2	86	78	81	80	82	35	55	56
410-151123-3	MP-3	88	72	70	69	57	50	66	68
410-151123-4	MP-4	00 Q4	80	03	03	0/ Q/	38	50	51
410-151123-4	MP 5	63	62	61	50	50	43	46	40
410-151123-5	Field Blank	62	67	72	66	74	40	40	45
410-151123-0 MB /10-/5/387/1-Δ	Method Blank	95	97	97	97	01	39	52	4J 50
IND 410-434307/1-A		00	07	07	07	91	42		59
		DODAZI	Perce	ent Isotope	Dilution Re	ecovery (Ac	ceptance L	imits)	DODACI
		PCB3/L	PCD4L	PCD04L		PUBOL			PUBISL
Lab Sample ID	Client Sample ID	(5-145)	(5-145)	(5-145)	(10-145)	(5-145)	(10-145)	(10-145)	(5-145)
410-151123-1	MP-1	48	38	47	64	36	63	54	43
410-151123-2	MP-2	67	33	59	75	38	(/	66	54
410-151123-3	MP-3	75	51	68	86	50	87	69	64
410-151123-4	MP-4	64	35	55	78	36	78	66	48
410-151123-5	MP-5	52	41	48	64	39	64	53	46
410-151123-6	Field Blank	50	37	48	60	35	60	54	41
MB 410-454387/1-A	Method Blank	59	43	61	69	42	71	70	51
			Perce	ent Isotope	Dilution Re	ecovery (Ac	ceptance L	imits)	
		PCB128L	PCB133L	PCB141L	PCB162L	PCB47L	PCB60L	PCB70L	PCB85L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)	(5-145)	(10-145)	(10-145)	(10-145)
410-151123-1	MP-1	66	65	66	52	46	55	52	65
410-151123-2	MP-2	72	74	75	53	61	71	68	78
410-151123-3	MP-3	74	75	74	56	68	79	72	83
410-151123-4	MP-4	83	80	83	65	56	70	65	82
410-151123-5	MP-5	61	59	61	50	47	58	53	66
410-151123-6	Field Blank	65	64	65	52	48	55	52	66
MB 410-454387/1-A	Method Blank	79	78	80	57	60	66	62	79
• · · · ·									

Surrogate Legend

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling PCB1L = PCB-1L PCB104L = PCB-104L PCB105L = PCB-105L PCB114L = PCB-114L PCB118L = PCB-118L PCB123L = PCB-123L PCB126L = PCB-126L PCB127L = PCB-127L PCB155L = PCB-155L 156157L = PCB-156L/157L PCB167L = PCB-167L PCB169L = PCB-169L PCB180L = PCB-180L PCB188L = PCB-188L PCB189L = PCB-189L PCB19L = PCB-19L PCB202L = PCB-202L PCB205L = PCB-205L PCB206L = PCB-206L PCB208L = PCB-208L PCB209L = PCB-209L PCB3L = PCB-3L PCB31L = PCB-31L PCB32L = PCB-32L PCB37L = PCB-37L PCB4L = PCB-4L PCB54L = PCB-54L PCB77L = PCB-77L PCB8L = PCB-8L PCB81L = PCB-81L PCB95L = PCB-95L PCB15L = PCB-15L PCB128L = PCB-128L PCB133L = PCB-133L PCB141L = PCB-141L PCB162L = PCB-162L PCB47L = PCB-47L PCB60L = PCB-60L PCB70L = PCB-70L PCB85L = PCB-85L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) **Matrix: Water**

Percent Isotope Dilution Recovery (Acceptance Limits) PCB1L PCB104L PCB105L PCB114L PCB118L PCB123L PCB126L PCB127L (15 - 145)(40-145) (15-145) (40-145) (40-145) (40-145) (40-145) (40-145) **Client Sample ID** Lab Sample ID LCS 410-454387/2-A Lab Control Sample 35 46 53 52 47 51 49 47 LCSD 410-454387/3-A Lab Control Sample Dup 31 55 59 58 55 59 59 58 Percent Isotope Dilution Recovery (Acceptance Limits) PCB155L 156157L PCB167L PCB169L PCB180L PCB188L PCB189L PCB19L (40-145) (40-145) Lab Sample ID **Client Sample ID** (40-145) (40-145) (40-145) (40-145) (40-145) (15-145) LCS 410-454387/2-A Lab Control Sample 58 55 52 54 64 64 55 45 LCSD 410-454387/3-A Lab Control Sample Dup 70 66 63 63 71 71 63 46

Eurofins Lancaster Laboratories Environment Testing, LLC

12/22/2023

Prep Type: Total/NA

Job ID: 410-151123-1

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Matrix: Water

Prep Type: Total/NA

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			Perce	ent Isotope	Dilution Re	covery (Ac	ceptance L	imits)	
		PCB202L	PCB205L	PCB206L	PCB208L	PCB209L	PCB3L	PCB31L	PCB32L
Lab Sample ID	Client Sample ID	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(15-145)	(15-145)	(15-145)
LCS 410-454387/2-A	Lab Control Sample	67	71	73	72	75	41	42	48
LCSD 410-454387/3-A	Lab Control Sample Dup	73	77	82	75	81	38	47	50
			Perce	ent Isotone	Dilution Re	coverv (Ac	centance I	imits)	
		PCB37L	PCB4L	PCB54L	PCB77L	PCB8L	PCB81L	PCB95L	PCB15L
I ab Sample ID	Client Sample ID	(15-145)	(15-145)	(15-145)	(40-145)	(15-145)	(40-145)	(40-145)	(15-145)
LCS 410-454387/2-A	Lab Control Sample	46	40	46	57	37	57	52	43
LCSD 410-454387/3-A	Lab Control Sample Dup	57	37	54	70	36	69	63	46
			Porce	ont leatona	Dilution Po	covery (Ac	contanco I	imite)	
		PCB128	PCB133I	PCB141I	PCB162I	PCB47I	PCB60I	PCB70I	PCB85I
l ah Sample ID	Client Sample ID	(40-145)	(40-145)	(40-145)	(40-145)	(15-145)	(40-145)	(40-145)	(40-145)
LCS 410-454387/2-A	Lab Control Sample		64	65	47	45	53	49	64
LCSD 410-454387/3-A	Lab Control Sample Dup	74	73	74	57	54	63	59	74
			10		01	01	00	00	
Surrogate Legend									
PCB1L = PCB-1L									
PCB104L = PCB-104L									
PCB105L = PCB-105L									
PCB114L = PCB-114L									
PCB118L = PCB-118L									
PCB123L = PCB-123L									
PCB126L = PCB-126L									
PCB127L = PCB-127L									
PCB155L = PCB-155L									
156157L = PCB-156L/157	L								
PCB16/L = PCB-16/L									
PCB169L = PCB-169L									
PCB180L = PCB-180L									
PCB188L = PCB-188L									
PCB189L = PCB-189L									
PCB 19L = PCB 19L									
PCB200L - PCB-200L									
$PCB3I = PCB_3I$									
$PCB31I = PCB_31I$									
PCB32I = PCB-32I									
PCB37I = PCB-37I									
PCB4I = PCB-4I									
PCB54I = PCB-54I									
PCB77I = PCB-77I									
PCB8L = PCB-8L									
PCB81L = PCB-81L									
PCB95L = PCB-95L									
PCB15L = PCB-15L									
PCB128L = PCB-128L									
PCB133L = PCB-133L									
PCB141L = PCB-141L									
PCB162L = PCB-162L									

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling PCB47L = PCB-47L PCB60L = PCB-60L PCB70L = PCB-70L PCB85L = PCB-85L

QC Sample Results

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 410-454387/1-A **Matrix: Water**

Analysis Batch: 454840

Analysis Batch: 454840	MR	ив мв									
Analyte	Result	Qualifier	1.00		וח	Unit	П	Analyzed	Dil Fac		
PCB-1			200	70	18	pa/l	<u> </u>	12/16/23 17:49	1		
PCB-10	44	UM	45	44	22	pg/L		12/16/23 17:49	1		
PCB-103	40		40 80	40	11	pg/⊑ pg/l		12/16/23 17:49	1		
PCB-104	40		80	40	17	pg/⊑		12/16/23 17:40			
PCB 105	40		80	40	11	pg/∟ pg/l		12/16/23 17:49	1		
PCB-103	40		80	40	10	pg/∟ pg/l		12/10/23 17:49	1		
PCB-100	40		00	40	19	pg/∟		12/10/23 17.49			
PCB-107	40	UM	00 100	40	14	pg/∟		12/10/23 17:49	1		
PCB-100/124	00	U	160	00	20	pg/∟		12/10/23 17:49	1		
PCB-11	280	U	300	280	110	pg/L		12/16/23 17:49	1		
PCB-110/115	100	ОМ	160	100	26	pg/L		12/16/23 17:49	1		
PCB-111	40	U	80	40	13	pg/L		12/16/23 17:49	1		
PCB-112	40	U	80	40	16	pg/L		12/16/23 17:49	1		
PCB-114	40	UM	80	40	18	pg/L		12/16/23 17:49	1		
PCB-118	40	UM	80	40	17	pg/L		12/16/23 17:49	1		
PCB-12/13	70	U	80	70	34	pg/L		12/16/23 17:49	1		
PCB-120	40	U	80	40	14	pg/L		12/16/23 17:49	1		
PCB-121	40	UM	80	40	12	pg/L		12/16/23 17:49	1		
PCB-122	40	U	80	40	12	pg/L		12/16/23 17:49	1		
PCB-123	70	U	80	70	22	pg/L		12/16/23 17:49	1		
PCB-126	70	U	80	70	29	pg/L		12/16/23 17:49	1		
PCB-127	20	U	80	20	7.0	pg/L		12/16/23 17:49	1		
PCB-128/166	70	UM	160	70	18	pg/L		12/16/23 17:49	1		
PCB-129/138/163	110	U	240	110	29	pg/L		12/16/23 17:49	1		
PCB-130	40	U	80	40	11	pg/L		12/16/23 17:49	1		
PCB-131	40	U	80	40	12	pg/L		12/16/23 17:49	1		
PCB-132	40	U	80	40	11	pg/L		12/16/23 17:49	1		
PCB-133	40	U	80	40	10	pa/L		12/16/23 17:49	1		
PCB-134	40	UM	80	40	17	pa/L		12/16/23 17:49			
PCB-135/151	100	U	160	100	32	pa/L		12/16/23 17:49	1		
PCB-136	40	Ucn	80	40	15	pa/l		12/16/23 17:49	1		
PCB-137	40	U	80	40	12	pa/l		12/16/23 17:49			
PCB-139/140	70	U	160	70	19	pg/l		12/16/23 17:49	. 1		
PCB-14	40		45	40	20	pg/L		12/16/23 17:49	1		
PCB-141	20	UM	80	20	6.0	pg/⊑		12/16/23 17:49			
PCB-142	30		80	30	0.0 Q ()	pg/⊑ pg/l		12/16/23 17:49	1		
PCB-142	40		80	40	11	pg/∟ pg/l		12/16/23 17:40	1		
DCB 143	40		80	40 50	21	pg/∟		12/16/23 17:49	1		
DCB 145	50		80	50	21	pg/∟ pg/l		12/10/23 17:49	1		
PCB-143	50	0	80	30	23	pg/∟ ¤a/l		12/10/23 17.49	1		
	40	0	00	40	10	pg/∟		12/10/23 17:49			
PCB-147/149	80	U	160	80	20	pg/L		12/16/23 17:49	1		
PCB-148	40	U	80	40	16	pg/L		12/16/23 17:49	1		
PUB-15	40	U	45	40	20	pg/∟		12/16/23 17:49	1		
PCB-150	40	U	80	40	19	pg/L		12/16/23 17:49	1		
PCB-152	40	U	80	40	14	pg/L		12/16/23 17:49	1		
PCB-153/168	80	UM	160	80	18	pg/L		12/16/23 17:49	1		
PCB-154	100	U	200	100	45	pg/L		12/16/23 17:49	1		
PCB-155	40	U	80	40	20	pg/L		12/16/23 17:49	1		
PCB-156/157	80	U	160	80	29	pg/L		12/16/23 17:49	1		

Eurofins Lancaster Laboratories Environment Testing, LLC

Job ID: 410-151123-1

Prep Type: Total/NA

Client Sample ID: Method Blank

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Lab Sample ID: MB 410-454387/1-A **Matrix: Water** Analysis Batch: 454840

-	MB	МВ						-	
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-158	40	UM	80	40	11	pg/L		12/16/23 17:49	1
PCB-159	50	U	80	50	14	pg/L		12/16/23 17:49	1
PCB-16	30	UM	40	30	14	pg/L		12/16/23 17:49	1
PCB-160	40	U	80	40	12	pg/L		12/16/23 17:49	1
PCB-161	40	U	80	40	10	pg/L		12/16/23 17:49	1
PCB-162	30	U	80	30	9.0	pg/L		12/16/23 17:49	1
PCB-164	20	U	80	20	7.0	pa/L		12/16/23 17:49	1
PCB-165	40	U	80	40	10	pa/L		12/16/23 17:49	1
PCB-167	40	υм	80	40	11	pa/L		12/16/23 17:49	1
PCB-169	40	U	80	40	18	pa/L		12/16/23 17:49	1
PCB-17	30	U	40	30	11	pa/L		12/16/23 17:49	1
PCB-170	40	UM	80	40	11	pa/l		12/16/23 17:49	1
PCB-171/173	50	U	160	50	16	pg/l		12/16/23 17:49	
PCB-172	30	U	80	30	9.0	pa/l		12/16/23 17:49	1
PCB-174	40	U	80	40	11	pa/l		12/16/23 17:49	1
PCB-175	40		80	40	12	pg/⊏ ng/l		12/16/23 17:49	
PCB-176	20	0	80	20	60	pg/⊏ ng/l		12/16/23 17:49	1
PCB-177	20	0	80	30	0.0 0.0	pg/L		12/16/23 17:49	1
PCB-178	50 60		80	50 60	3.0 15	pg/∟		12/16/23 17:49	1
PCB 170	30	0	80	30	0.0	pg/∟ ng/l		12/16/23 17:49	1
PCB-179	50	0	80	50	9.0	pg/L		12/10/23 17:49	1
PCB-10/30			160	70	10	pg/L		12/10/23 17:49	
PCB-100/193	70	U	100	70	19	pg/L		12/10/23 17.49	1
	30	U	80	30	0.0	pg/L		12/10/23 17.49	1
PCD-102	40		60 160	40	11	py/L		12/10/23 17.49	۱ ۱
PCB-103/103	80 40	U	160	80	22	pg/L		12/10/23 17:49	1
PCB-104	40	U	80	40	14	pg/L		12/10/23 17:49	1
PCB-180	40	U	80	40	11	pg/L		12/16/23 17:49	ا م
	40	U	80	40	11	pg/L		12/10/23 17:49	1
	160	UW	200	180	47	pg/L		12/10/23 17:49	1
PCB-189	40	U	80	40	15	pg/L		12/16/23 17:49	۱ م
PCB-19	30	U	40	30	11	pg/L		12/16/23 17:49	1
PCB-190	40	U	80	40	10	pg/L		12/16/23 17:49	1
PCB-191	30	UIVI	80	30	10	pg/L		12/16/23 17:49	ן ג
PCB-192	30	U	80	30	9.0	pg/L		12/16/23 17:49	1
PCB-194	40	U	120	40	12	pg/L		12/16/23 17:49	1
PCB-195	50	U	120	50	14	pg/L		12/16/23 17:49	1
PCB-196	40	U	120	40	11	pg/L		12/16/23 17:49	1
PCB-198/199	50	U	240	50	18	pg/L		12/16/23 17:49	1
PCB-2	50	UM	200	50	16	pg/L		12/16/23 17:49	1
PCB-20/28	60	UM	80	60	28	pg/L		12/16/23 17:49	1
PCB-201	190	UM	400	190	49	pg/L		12/16/23 17:49	1
PCB-202	30	UM	120	30	9.0	pg/L		12/16/23 17:49	1
PCB-203	50	U	120	50	13	pg/L		12/16/23 17:49	1
PCB-204	40	U	120	40	10	pg/L		12/16/23 17:49	1
PCB-205	20	UM	120	20	7.0	pg/L		12/16/23 17:49	1
PCB-206	8.17	JM	120	20	7.0	pg/L		12/16/23 17:49	1
PCB-207	40	U	120	40	10	pg/L		12/16/23 17:49	1
PCB-208	110	UM	120	110	55	pg/L		12/16/23 17:49	1
DCB Decachlorobiphenyl	750	UM	1000	750	240	pg/L		12/16/23 17:49	1

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Job ID: 410-151123-1

Prep Type: Total/NA

Prep Batch: 454387

Client Sample ID: Method Blank

Lab Sample ID: MB 410-454387/1-A Matrix: Water

Analysis	Batch: 454840	

	MB	MB							
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-21/33	60	U	80	60	29	pg/L		12/16/23 17:49	1
PCB-22	30	UM	40	30	14	pg/L		12/16/23 17:49	1
PCB-23	30	U	40	30	15	pg/L		12/16/23 17:49	1
PCB-24	35	UM	40	35	17	pg/L		12/16/23 17:49	1
PCB-25	30	UM	40	30	13	pg/L		12/16/23 17:49	1
PCB-26/29	72	UM	80	72	36	pg/L		12/16/23 17:49	1
PCB-27	25	UM	40	25	11	pg/L		12/16/23 17:49	1
PCB-3	40	UM	200	40	11	pg/L		12/16/23 17:49	1
PCB-31	30	UM	40	30	14	pg/L		12/16/23 17:49	1
PCB-32	20	UМ	40	20	8.0	pa/L		12/16/23 17:49	1
PCB-34	35	U	40	35	17	pa/L		12/16/23 17:49	1
PCB-35	39	UM	40	39	19	pg/=		12/16/23 17:49	· · · · · · · · · 1
PCB-36	30		40	30	14	pg/⊏ na/l		12/16/23 17:49	1
PCB-37	20	UM	40	20	8.0	pg/⊏ na/l		12/16/23 17:49	1
PCB-38	35		40	20	17	pg/⊏ ng/l		12/16/23 17:49	
PCB-30	36		40	36	18	pg/∟ pg/l		12/16/23 17:49	1
	30		40	30	10	pg/L		12/10/23 17:49	1
	44		40	44 60	10	pg/L		12/10/23 17.49	
PCB-40/71	60	UM	160	60	10	pg/L		12/16/23 17:49	1
PCB-41	40	UM	80	40	11	pg/L		12/16/23 17:49	1
PCB-42	40	UM	80	40	12	pg/L		12/16/23 17:49	1
PCB-43	40	U	80	40	11	pg/L		12/16/23 17:49	1
PCB-44/47/65	90	U	240	90	24	pg/L		12/16/23 17:49	1
PCB-45	40	UM	80	40	18	pg/L		12/16/23 17:49	1
PCB-46	40	UМ	80	40	11	pg/L		12/16/23 17:49	1
PCB-48	30	U	80	30	9.0	pg/L		12/16/23 17:49	1
PCB-49/69	70	U	160	70	18	pg/L		12/16/23 17:49	1
PCB-5	40	U	45	40	20	pg/L		12/16/23 17:49	1
PCB-50/53	200	U	300	200	91	pg/L		12/16/23 17:49	1
PCB-51	50	U	80	50	13	pg/L		12/16/23 17:49	1
PCB-52	40	UM	80	40	12	pg/L		12/16/23 17:49	1
PCB-54	40	U	80	40	18	pg/L		12/16/23 17:49	1
PCB-55	40	U	80	40	11	pg/L		12/16/23 17:49	1
PCB-56	40	UM	80	40	14	pg/L		12/16/23 17:49	1
PCB-57	40	U	80	40	12	pg/L		12/16/23 17:49	1
PCB-58	40	U	80	40	11	pg/L		12/16/23 17:49	1
PCB-59/62/75	100	U	240	100	25	pg/L		12/16/23 17:49	1
PCB-6	36	U	40	36	18	pg/L		12/16/23 17:49	1
PCB-60	30	U	80	30	9.0	pg/L		12/16/23 17:49	1
PCB-61/70/74/76	120	UM	320	120	30	pg/L		12/16/23 17:49	1
PCB-63	40	U	80	40	13	pa/L		12/16/23 17:49	1
PCB-64	40	UM	80	40	10	pa/l		12/16/23 17:49	1
PCB-66	40	UM	80	40	11	na/l		12/16/23 17:49	
PCB-67	40	 U	80	40	11	pa/l		12/16/23 17:49	1
PCB-68	- 1 0 ∡∩	U U	80	40	10	pa/l		12/16/23 17:40	1
PCB-7	-10 25	<u> </u>	40	- 1 0 25	10	P9′⊏ na/l		12/16/23 17:49	· · · · · · · · · · · · · · · · · · ·
PCB-72	30		40	20	00	pg/∟ pg/l		12/16/22 17.49	1
	30	0	00	30	9.0	pg/∟ pg/l		12/10/23 17.49	1
	40	U	80	40	11	pg/∟		12/10/23 17:49	۲ ۲
	40		80	40	19	pg/∟		12/10/23 17:49	1
FUB-18	40	U	80	40	15	pg/L		12/16/23 17:49	1

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Prep Type: Total/NA Prep Batch: 454387

Client Sample ID: Method Blank

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Lab Sample ID: MB 410-454387/1-A Matrix: Water

matrix. T		
Analysis	Batch: 454840)

-	MB	МВ							
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
PCB-79	40	U	80	40	10	pg/L		12/16/23 17:49	1
PCB-8	33	UM	40	33	16	pg/L		12/16/23 17:49	1
PCB-80	40	UM	80	40	10	pg/L		12/16/23 17:49	1
PCB-81	40	UM	80	40	10	pg/L		12/16/23 17:49	1
PCB-82	40	U	80	40	13	pg/L		12/16/23 17:49	1
PCB-83	40	UM	80	40	15	pg/L		12/16/23 17:49	1
PCB-84	60	U	80	60	25	pg/L		12/16/23 17:49	1
PCB-85/116/117	130	UM	240	130	34	pg/L		12/16/23 17:49	1
PCB-86/87/97/109/119/125	300	UM	480	300	150	pg/L		12/16/23 17:49	1
PCB-88	40	U	80	40	17	pg/L		12/16/23 17:49	1
PCB-89	40	UM	80	40	15	pg/L		12/16/23 17:49	1
PCB-9	35	U	40	35	17	pg/L		12/16/23 17:49	1
PCB-90/101/113	120	UM	240	120	40	pg/L		12/16/23 17:49	1
PCB-91	40	U	80	40	15	pg/L		12/16/23 17:49	1
PCB-92	40	U	80	40	12	pg/L		12/16/23 17:49	1
PCB-93/100	80	UM	160	80	25	pg/L		12/16/23 17:49	1
PCB-94	40	U	80	40	13	pg/L		12/16/23 17:49	1
PCB-95	40	UM	80	40	12	pg/L		12/16/23 17:49	1
PCB-96	40	U	80	40	18	pg/L		12/16/23 17:49	1
PCB-98/102	100	U	200	100	29	pg/L		12/16/23 17:49	1
PCB-99	40	U	80	40	12	pg/L		12/16/23 17:49	1
Total Monochlorobiphenyls	40	U	200	40	11	pg/L		12/16/23 17:49	1
Total Dichlorobiphenyls	32	U	40	32	16	pg/L		12/16/23 17:49	1
Total Trichlorobiphenyls	20	U	40	20	8.0	pg/L		12/16/23 17:49	1
Total Tetrachlorobiphenyls	30	U	80	30	9.0	pg/L		12/16/23 17:49	1
Total Pentachlorobiphenyls	20	U	80	20	7.0	pg/L		12/16/23 17:49	1
Total Hexachlorobiphenyls	20	U	80	20	6.0	pg/L		12/16/23 17:49	1
Total Heptachlorobiphenyls	20	U	80	20	6.0	pg/L		12/16/23 17:49	1
Total Octachlorobiphenyls	20	U	120	20	7.0	pg/L		12/16/23 17:49	1
Total Nonachlorobiphenyls	8.17	JI	120	20	7.0	pg/L		12/16/23 17:49	1
Polychlorinated biphenyls, Total	8.17	JI	40	20	6.0	pg/L		12/16/23 17:49	1
PCB-197/200	50	U	240	50	14	pg/L		12/16/23 17:49	1

Λ	1B MB				
Isotope Dilution %Recover	ry Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-1L	36	5 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-104L	62	10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-105L	64	10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-114L	61	10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-118L	58	10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-123L	61	10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-126L	59	10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-127L	59	10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-155L	76	10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-156L/157L	69	10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-167L	64	10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-169L	70	10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-180L	79	10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-188L	82	10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-189L	68	10 - 145	12/14/23 23:57	12/16/23 17:49	1

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Prep Type: Total/NA Prep Batch: 454387

Client Sample ID: Method Blank

Lab Sample ID: MB 410-454387/1-A Matrix: Water

Analysis Batch: 454840

	MB	МВ				
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-19L	56		5 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-202L	85		10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-205L	87		10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-206L	87		10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-208L	87		10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-209L	91		10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-3L	42		5 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-31L	53		5 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-32L	59		5 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-37L	59		5 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-4L	43		5 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-54L	61		5 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-77L	69		10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-8L	42		5 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-81L	71		10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-95L	70		10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-15L	51		5 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-128L	79		10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-133L	78		10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-141L	80		10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-162L	57		10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-47L	60		5 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-60L	66		10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-70L	62		10 - 145	12/14/23 23:57	12/16/23 17:49	1
PCB-85L	79		10 - 145	12/14/23 23:57	12/16/23 17:49	1

QC Sample Results

Lab Sample ID: LCS 410-454387/2-A Matrix: Water Analysis Batch: 454840

LCS LCS Spike %Rec Added Result Qualifier Limits Analyte Unit D %Rec PCB-1 1000 817 58 - 115 pg/L 82 1000 1080 PCB-104 pg/L 108 79 - 120 PCB-105 1000 794 pg/L 79 77 - 133 PCB-114 1000 886 89 81 - 133 pg/L 83 PCB-118 1000 834 82 - 128 pg/L PCB-123 1000 845 85 76 - 138 pg/L 1000 850 85 78 - 119 PCB-126 pg/L PCB-15 1000 743 74 74 - 133 pg/L pg/L 108 PCB-155 1000 1080 69 - 126 PCB-156/157 2000 1650 pg/L 82 78 - 137 PCB-167 1000 900 pg/L 90 78 - 143 PCB-169 1000 842 pg/L 84 71 - 123 PCB-188 1000 925 92 76 - 115 pg/L PCB-189 1000 898 pg/L 90 81 - 124 PCB-19 1000 915 pg/L 92 79 - 118 PCB-202 1000 1020 pg/L 102 77 - 114 PCB-205 1000 958 pg/L 96 69 - 122 PCB-206 1000 872 pg/L 87 74 - 113

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 454387

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Job ID: 410-151123-1

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8 9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 410-		Client Sample ID: Lab Control Sample							
Matrix: Water									Prep Type: Total/NA
Analysis Batch: 454840									Prep Batch: 454387
-			Spike	LCS	LCS				%Rec
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits
PCB-208			1000	870		pg/L		87	79 - 118
DCB Decachlorobiphenyl			1000	963	J	pg/L		96	80 - 128
PCB-3			1000	806		pg/L		81	64 - 123
PCB-37			1000	832		pg/L		83	60 - 134
PCB-4			1000	939		pg/L		94	62 - 128
PCB-54			1000	881		pg/L		88	67 - 123
PCB-77			1000	901		pg/L		90	75 - 113
PCB-81			1000	977		pg/L		98	77 - 125
	LCS	LCS							
Isotope Dilution	%Recovery	Qualifier	Limits						
PCB-1L	35		15 - 145						
PCB-104L	46		40 - 145						
PCB-105L	53		15_145						
PCB-114L	52		40 - 145						
PCB-118I	47		40 - 145						
PCB-1231	51		40 - 145						
PCB-126	49		40 - 145						
PCB-1271	47		40 - 145						
PCB-155	58		40 - 145						
PCB-156L /157L	55		40 - 145						
PCB-1671	52		40 145						
PCB-1691	54		40 - 145						
PCB-1801	64		40 145						
PCB-188	64		40 145						
PCB-1891	55		40 145						
PCB-191	55 45		15 145						
PCB-2021	40		40 145						
PCB-2051	71		40 145						
PCB-2002	73		40 145						
PCB-2081	70		40 145						
PCB-2002	72		40 - 145						
PCB-31	73 41		15 145						
PCB-311	42		15 145						
PCB-321	48		15 145						
PCB-371	46		15 145						
PCB-41	40		15 145						
PCB-54	46		15 145						
PCB-771	57		40 145						
PCB-8/	37		15 145						
PCB-811	57		40 145						
PCB-051	52		40 145						
PCB-151	13		15 145						
PCB-128	43 65		10 - 140 40 115						
PCB-1331	60 61		40 - 145						
PCR-1411	04 65		70 - 140						
PCR-1621	60 47		40 - 143						
	41		40 - 140 15 145						
	40		10 - 140						
	53		40 - 140 10 - 145						
	49		40 - 140						

PCB-156L/157L

PCB-167L

PCB-169L

PCB-180L

PCB-188L

QC Sample Results

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Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued) Lab Sample ID: LCS 410-454387/2-A **Client Sample ID: Lab Control Sample** Matrix: Water Prep Type: Total/NA Analysis Batch: 454840 **Prep Batch: 454387** LCS LCS Isotope Dilution %Recovery Qualifier Limits PCB-85L 40 - 145 64 Lab Sample ID: LCSD 410-454387/3-A **Client Sample ID: Lab Control Sample Dup** Matrix: Water Prep Type: Total/NA Analysis Batch: 454840 **Prep Batch: 454387** Spike LCSD LCSD %Rec RPD Added Result Qualifier Unit %Rec Limits RPD Limit Analyte D PCB-1 1000 916 pg/L 92 58 - 115 11 20 PCB-104 1000 1080 pg/L 108 79 - 120 0 20 PCB-105 1000 777 78 2 20 pg/L 77 - 133 pg/L PCB-114 1000 887 89 81 - 133 0 20 PCB-118 1000 825 pg/L 83 82 - 128 1 20 PCB-123 1000 861 pg/L 86 76 - 138 2 20 PCB-126 1000 865 pg/L 87 78 - 119 2 20 PCB-15 1000 810 81 74 - 133 20 pg/L 9 69 - 126 106 20 PCB-155 1000 1060 pg/L 3 PCB-156/157 2000 1650 pg/L 82 78 - 137 0 20 PCB-167 1000 883 pg/L 88 78 - 143 2 20 PCB-169 1000 831 pg/L 83 71 - 123 1 20 PCB-188 1000 938 pg/L 94 76 - 115 1 20 PCB-189 1000 905 pg/L 90 81 - 124 1 20 2 20 PCB-19 1000 895 pg/L 89 79 - 118 PCB-202 1000 1050 105 2 20 pg/L 77 - 114 PCB-205 1000 972 pg/L 97 69 - 122 1 20 PCB-206 1000 844 pg/L 84 74 - 113 3 20 PCB-208 1000 874 pg/L 87 79 - 118 0 20 DCB Decachlorobiphenyl 1000 977 J pg/L 98 80 - 128 20 1 PCB-3 1000 826 83 64 - 123 20 pg/L 2 PCB-37 1000 850 85 2 20 60 - 134 pg/L PCB-4 1000 933 pg/L 93 62 - 128 20 1 PCB-54 1000 886 89 67 - 123 20 pg/L 1 PCB-77 90 20 1000 900 pg/L 75 - 113 0 PCB-81 1000 963 pg/L 96 77 - 125 1 20 LCSD LCSD Isotope Dilution %Recovery Qualifier Limits PCB-1L 15 - 145 31 PCB-104L 55 40 - 145 PCB-105L 59 15 - 145 PCB-114L 58 40 - 145 PCB-118L 55 40 - 145PCB-123L 59 40 - 145 PCB-126L 59 40 - 145 PCB-127L 58 40 - 145 PCB-155L 70 40 - 145

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QC Sample Results

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 41 Matrix: Water Analysis Batch: 454840	0-454387/3-A			Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Prep Batch: 454387	
Analysis Baten: 404040	I CSD	LCSD		Top Baton. 404007	5
Isotope Dilution	%Recoverv	Qualifier	Limits		5
PCB-189L	63		40 - 145		
PCB-19L	46		15 - 145		
PCB-202L	73		40 - 145		
PCB-205L	77		40 - 145		
PCB-206L	82		40 - 145		0
PCB-208L	75		40 - 145		ŏ
PCB-209L	81		40 - 145		
PCB-3L	38		15 - 145		9
PCB-31L	47		15 - 145		
PCB-32L	50		15 - 145		
PCB-37L	57		15 - 145		
PCB-4L	37		15 - 145		
PCB-54L	54		15 - 145		
PCB-77L	70		40 - 145		
PCB-8L	36		15 - 145		_
PCB-81L	69		40 - 145		13
PCB-95L	63		40 - 145		
PCB-15L	46		15_145		
PCB-128L	74		40 - 145		
PCB-133L	73		40 - 145		
PCB-141L	74		40 - 145		
PCB-162L	57		40 - 145		
PCB-47L	54		15 - 145		
PCB-60L	63		40 - 145		
PCB-70L	59		40 - 145		
PCB-85L	74		40 - 145		

QC Association Summary

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

Specialty Organics

Prep Batch: 454387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-151123-1	MP-1	Total/NA	Water	1668C	
410-151123-2	MP-2	Total/NA	Water	1668C	
410-151123-3	MP-3	Total/NA	Water	1668C	
410-151123-4	MP-4	Total/NA	Water	1668C	
410-151123-5	MP-5	Total/NA	Water	1668C	
410-151123-6	Field Blank	Total/NA	Water	1668C	
MB 410-454387/1-A	Method Blank	Total/NA	Water	1668C	
LCS 410-454387/2-A	Lab Control Sample	Total/NA	Water	1668C	
LCSD 410-454387/3-A	Lab Control Sample Dup	Total/NA	Water	1668C	

Analysis Batch: 454840

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
410-151123-1	MP-1	Total/NA	Water	1668C	454387
410-151123-2	MP-2	Total/NA	Water	1668C	454387
410-151123-3	MP-3	Total/NA	Water	1668C	454387
410-151123-4	MP-4	Total/NA	Water	1668C	454387
410-151123-5	MP-5	Total/NA	Water	1668C	454387
410-151123-6	Field Blank	Total/NA	Water	1668C	454387
MB 410-454387/1-A	Method Blank	Total/NA	Water	1668C	454387
LCS 410-454387/2-A	Lab Control Sample	Total/NA	Water	1668C	454387
LCSD 410-454387/3-A	Lab Control Sample Dup	Total/NA	Water	1668C	454387

Eurofins Lancaster Laboratories Environment Testing, LLC

Job ID: 410-151123-1

Client Samp									
Date Collected	I: 11/10/23 0	9:25							Matrix: Wate
ate Received	: 11/10/23 1	6:03							
-	Batch	Batch		Dilution	Batch			Prepared	
Pren Tyne	Type	Method	Run	Factor	Number	∆nalvst	lah	or Analyzed	
Total/NA	Prep				454387	SJ77	FILE	12/14/23 23:57	
Total/NA	Analysis	1668C		1	454840	AO46	FILE	12/17/23 08:15	
	7 maryolo	10000		•	101010	7100-10		12/11/20 00:10	
lient Samp	le ID: MP	-2					Lal	b Sample ID:	410-151123-2
ate Collected	l: 11/10/23 0	9:20							Matrix: Wate
ate Received	: 11/10/23 1	6:03							
	Batch	Batch		Dilution	Batch			Propared	
Pron Type	Type	Mothod	Pup	Eactor	Numbor	Analvet	lah	or Analyzed	
			Kuii		151207	C 177			
	Analysis	16680		1	40400/	331Z		12/17/22 23.31	
	Analysis	10000		I	404040	AQ40		12/17/23 09:32	
lient Samp	le ID: MP	-3					Lal	b Sample ID:	410-151123-3
ate Collected	I: 11/10/23 0	8:55						-	Matrix: Wate
ate Received	: 11/10/23 1	6:03							
	D-4 1	Datak		Dilati	- · ·			Day 1	
	Batch	Batch	_	Dilution	Batch			Prepared	
	To see a	Method	Run	Factor	Number	Analyst	Lab	or Analyzed	
Prep Type					45 100	0.17-		40/44/00 00 57	
Total/NA	Prep	1668C			454387	SJ7Z	ELLE	12/14/23 23:57	
Total/NA Total/NA Total/NA	Analysis			1	454387 454840	SJ7Z AQ46	ELLE ELLE Lal	12/14/23 23:57 12/17/23 10:49 b Sample ID:	410-151123-4
Prep Type Total/NA Total/NA Client Samp ate Collected pate Received	Iype Prep Analysis I: 11/10/23 0 : 11/10/23 1	-4 9:10 6:03		1	454387 454840	SJ7Z AQ46	ELLE ELLE Lal	12/14/23 23:57 12/17/23 10:49 b Sample ID:	410-151123-4 Matrix: Wate
Total/NA Total/NA Total/NA Client Samp Date Collected Date Received	Prep Analysis Analysis Analysis Analysis Analysis Analysis Analysis Analysis Analysis Analysis Analysis Analysis Analysis Batch	-4 9:10 6:03 Batch		Dilution	454387 454840 Batch	SJ7Z AQ46	ELLE ELLE Lal	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared	410-151123-4 Matrix: Wate
Prep Type Total/NA Total/NA Client Samp Date Collected Date Received: Prep Type	Iype Prep Analysis Ie ID: MP 1: 11/10/23 0 : 11/10/23 1 Batch Type	1668C 1668C -4 9:10 6:03 Batch Method	Run	Dilution	454387 454840 Batch Number	SJ7Z AQ46 Analyst	ELLE ELLE Lal	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared or Analyzed	410-151123-4 Matrix: Wate
Prep Type Total/NA Total/NA Client Samp Date Collected Date Received: Prep Type Total/NA	Iype Prep Analysis DIe ID: MP 1: 11/10/23 0 : 11/10/23 1 Batch Type Prep	Motiled 1668C 1668C -4 9:10 6:03 Batch Method 1668C	Run	Dilution Factor	454387 454840 Batch Number 454387	SJ7Z AQ46 Analyst SJ7Z	ELLE ELLE Lal	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared or Analyzed 12/14/23 23:57	410-151123-4 Matrix: Wate
Prep Type Total/NA Total/NA Client Samp ate Collected ate Received: Prep Type Total/NA Total/NA	Iype Prep Analysis DIE ID: MP 1: 11/10/23 0 : 11/10/23 1 Batch Type Prep Analysis	Method 1668C 1668C 9:10 6:03 Batch 1668C 1668C	Run	Dilution Factor	454387 454840 Batch Number 454387 454840	SJ7Z AQ46 Analyst SJ7Z AQ46	ELLE ELLE Lal ELLE ELLE ELLE	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06	410-151123-4 Matrix: Wate
Prep Type Total/NA Total/NA Client Samp Date Collected Date Received: Prep Type Total/NA Total/NA	i ype Prep Analysis Prep 1: 11/10/23 0 : 11/10/23 1 Batch Type Prep Analysis	Incurrent 1668C 1668C -4 9:10 6:03 Batch Method 1668C 1668C	Run	1 Dilution Factor 1	454387 454840 Batch Number 454387 454840	SJ7Z AQ46 Analyst SJ7Z AQ46	Lab ELLE Lab ELLE ELLE	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06	410-151123-4 Matrix: Wate
Prep Type Total/NA Total/NA Client Samp Date Collected Date Received: Prep Type Total/NA Total/NA Client Samp Date Collected	Batch Type Prep Analysis I: 11/10/23 0 : 11/10/23 1 Batch Type Prep Analysis	Incurrent 1668C 1668C -4 9:10 6:03 Batch Method 1668C 1668C -5 0:22	Run	1 Dilution Factor 1	454387 454840 Batch Number 454387 454840	SJ7Z AQ46 AQ46 SJ7Z AQ46	ELLE ELLE Lab ELLE ELLE Lal	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 b Sample ID:	410-151123-4 Matrix: Wate 410-151123-5
Prep Type Total/NA Total/NA Client Samp Pate Collected Prep Type Total/NA Total/NA Client Samp Pate Collected Pate Collected	Batch Type Prep Analysis I: 11/10/23 0 : 11/10/23 1 Batch Type Prep Analysis	Incurrent 1668C 1668C -4 9:10 6:03 Batch Method 1668C 1668C 9:32 6:03	Run	1 Dilution Factor 1	454387 454840 Batch Number 454387 454840	SJ7Z AQ46 Analyst SJ7Z AQ46	Lab ELLE Lab ELLE ELLE Lal	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 b Sample ID:	410-151123-4 Matrix: Wate 410-151123-5 Matrix: Wate
Prep Type Total/NA Total/NA Client Samp ate Collected ate Received: Prep Type Total/NA Total/NA Client Samp ate Collected ate Received:	Batch Type Prep Analysis I: 11/10/23 0 : 11/10/23 1 Batch Type Prep Analysis	Incurrent 1668C 1668C 9:10 6:03 Batch Method 1668C 1668C 9:32 6:03	Run	1 Dilution Factor 1	454387 454840 Batch Number 454387 454840	SJ7Z AQ46 Analyst SJ7Z AQ46	Lab ELLE Lab ELLE ELLE Lal	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 b Sample ID:	410-151123-4 Matrix: Wate 410-151123-4 Matrix: Wate
Prep Type Total/NA Total/NA Client Samp Pate Collected ate Received Prep Type Total/NA Total/NA Client Samp pate Collected ate Received	Batch Type Prep Analysis Ie ID: MP- I: 11/10/23 0 Batch Type Prep Analysis II: 11/10/23 0 I: 11/10/23 1 Batch	Incurrent 1668C 1668C -4 9:10 6:03 Batch Method 1668C 1668C 9:32 6:03 Batch	Run	Dilution Factor 1 Dilution	454387 454840 Batch Number 454387 454840 Batch	SJ7Z AQ46 Analyst SJ7Z AQ46	Lab ELLE Lab ELLE ELLE Lal	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 b Sample ID: Prepared	410-151123-4 Matrix: Wate 410-151123-4 Matrix: Wate
Prep Type Total/NA Total/NA Client Samp Pate Collected Prep Type Total/NA Total/NA Client Samp Pate Collected Pate Received: Prep Type	Type Prep Analysis Ie ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Prep Analysis Ie ID: MP- Prep Analysis Ie ID: MP- I: 11/10/23 0 I: 11/10/23 1 Batch Type	Incurrent 1668C 1668C -4 9:10 6:03 Batch Method 1668C 1668C 9:32 6:03 Batch Method	Run	1 Dilution Factor 1 Dilution Factor	454387 454840 Batch Number 454387 454840 Batch Number	SJ7Z AQ46 Analyst SJ7Z AQ46 Analyst	Lab Lab Lab	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared 0r Analyzed 12/14/23 23:57 12/17/23 12:06 b Sample ID: Prepared or Analyzed	410-151123-4 Matrix: Wate 410-151123-4 Matrix: Wate
Prep Type Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA	Type Prep Analysis Ie ID: MP 1: 11/10/23 0 : 11/10/23 1 Batch Type Prep Analysis Ie ID: MP Analysis III/10/23 1 I: 11/10/23 1 Batch Type Prep Analysis	Internet 1668C 1668C 9:10 6:03 Batch Method 1668C 9:32 6:03 Batch Method 1668C 9:32 6:03 Batch Method 1668C	Run	1 Dilution Factor 1 Dilution Factor	454387 454840 Batch Number 454387 454840 Batch Number 454387	SJ7Z AQ46 Analyst SJ7Z AQ46 AQ46 Analyst SJ7Z	Lab ELLE ELLE ELLE ELLE Lab ELLE	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared 0r Analyzed 12/14/23 23:57 12/17/23 12:06 b Sample ID: Prepared 0r Analyzed 12/14/23 23:57	410-151123-4 Matrix: Wate 410-151123-4 Matrix: Wate
Prep Type Total/NA Total/NA Collected Date Collected Date Received: Prep Type Total/NA Collected Total/NA Collected Date Collected Date Collected	Batch Type Prep Analysis II III/10/23 0 III/10/23 1 Batch Type Prep Analysis III/10/23 1 Batch Type Prep Analysis III/10/23 0 III/10/23 1 Batch Type Prep Analysis	Method 1668C 1668C 9:10 6:03 Batch Method 1668C 1668C 9:32 6:03 Batch Method 1668C 1668C 1668C 1668C 1668C 1668C	Run	1 Dilution Factor 1 Dilution Factor 1	454387 454840 Batch Number 454387 454840 Batch Number 454387 454840	SJ7Z AQ46 Analyst SJ7Z AQ46 Analyst SJ7Z AQ46	Lab ELLE ELLE ELLE ELLE ELLE ELLE ELLE E	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 b Sample ID: Prepared or Analyzed 12/14/23 23:57 12/17/23 13:22	410-151123-4 Matrix: Wate 410-151123-4 Matrix: Wate
Prep Type Total/NA Total/NA Collected Date Collected Date Received: Prep Type Total/NA Collected Date Collected Date Collected Date Received: Prep Type Total/NA Total/NA Total/NA Total/NA	Iype Prep Analysis Ie ID: MP 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis Ie ID: MP Analysis III/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis Ie Batch Type Prep Analysis III/10/23 1	Incurrent 1668C 1668C 9:10 6:03 Batch Method 1668C 1668C 9:32 6:03 Batch Method 1668C	Run	1 Dilution Factor 1 Dilution Factor 1	454387 454840 Batch Number 454387 454840 Batch Number 454387 454840	SJ7Z AQ46 Analyst SJ7Z AQ46 Analyst SJ7Z AQ46	Lab ELLE ELLE ELLE Lab ELLE ELLE ELLE EL	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared 0r Analyzed 12/14/23 23:57 12/17/23 12:06 b Sample ID: Prepared 0r Analyzed 12/14/23 23:57 12/17/23 13:22	410-151123-4 Matrix: Wate 410-151123-5 Matrix: Wate
Prep Type Total/NA Total/NA Client Samp ate Collected ate Received: Prep Type Total/NA Client Samp ate Collected ate Received: Prep Type Total/NA Total/NA Client Samp ate Collected	Iype Prep Analysis Ie ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis Ie ID: MP- Analysis III/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis Ie III/10/23 1 Batch Type Prep Analysis Ie ID: Fiel Analysis III/10/23 0	Incurrent 1668C 1668C 9:10 6:03 Batch Method 1668C 1668C 9:32 6:03 Batch Method 1668C	Run	1 Dilution Factor 1 Dilution Factor 1	454387 454840 Batch Number 454387 454840 Batch Number 454387 454840	SJ7Z AQ46 Analyst SJ7Z AQ46 Analyst SJ7Z AQ46	ELLE ELLE Lab ELLE ELLE ELLE ELLE ELLE E	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 b Sample ID: Prepared or Analyzed 12/14/23 23:57 12/17/23 13:22 b Sample ID:	410-151123-4 Matrix: Wate 410-151123-4 Matrix: Wate 410-151123-6 Matrix: Wate
Prep Type Total/NA Total/NA Collected ate Collected ate Received: Prep Type Total/NA Collected ate Received: Prep Type Total/NA Total/NA Collected ate Collected ate Collected ate Collected ate Collected ate Received:	Iype Prep Analysis Ie ID: MP- 1: 11/10/23 0 : 11/10/23 1 Batch Type Prep Analysis Ie ID: MP- Analysis III/10/23 0 : 11/10/23 1 Batch Type Prep Analysis Ie ID: MP- Analysis III/10/23 0 : 11/10/23 0 : 11/10/23 0 : 11/10/23 1	Incurrent 1668C 1668C 9:10 6:03 Batch Method 1668C 9:32 6:03 Batch Method 1668C 9:32 6:03 Batch Method 1668C 1668C 1668C 1668C 1668C 1668C 1800 9:38 6:03	Run	1 Dilution Factor 1 Dilution Factor 1	454387 454840 Batch Number 454387 454840 Batch Number 454387 454840	SJ7Z AQ46 SJ7Z AQ46 AQ46 SJ7Z AQ46	Lab ELLE ELLE ELLE ELLE ELLE ELLE ELLE E	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared 0r Analyzed 12/14/23 23:57 12/17/23 12:06 b Sample ID: Prepared 0r Analyzed 12/14/23 23:57 12/17/23 13:22 b Sample ID:	410-151123-4 Matrix: Wate 410-151123-4 Matrix: Wate 410-151123-4 Matrix: Wate
Prep Type Total/NA Total/NA Client Samp Pate Collected Prep Type Total/NA Total/NA Client Samp Prep Type Total/NA Total/NA Total/NA Total/NA Client Samp Pate Collected Prep Type	Iype Prep Analysis Ie ID: MP- 1: 11/10/23 0 : 11/10/23 1 Batch Type Prep Analysis Ie ID: MP- Prep Analysis Ie ID: MP- I: 11/10/23 0 : 11/10/23 1 Batch Type Prep Analysis Ie ID: MP- Prep Analysis Ie ID: Fiel I: 11/10/23 1 Batch I: 11/10/23 1 Batch	Incurrent 1668C 1668C 9:10 6:03 Batch Method 1668C 1668C 1668C 9:32 6:03 Batch Method 1668C 1608C 1608C	Run	1 Dilution Factor 1 Dilution Factor 1 Dilution Tactor 1 Dilution	454387 454840 Batch Number 454387 454840 Batch Batch Batch	SJ7Z AQ46 Analyst SJ7Z AQ46 Analyst SJ7Z AQ46	ELLE ELLE ELLE ELLE Lal ELLE ELLE ELLE Lal	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared 0r Analyzed 12/14/23 23:57 12/17/23 12:06 b Sample ID: Prepared 0r Analyzed 12/14/23 23:57 12/17/23 13:22 b Sample ID: Prepared	410-151123-4 Matrix: Wate 410-151123-4 Matrix: Wate 410-151123-4 Matrix: Wate
Prep Type Total/NA Total/NA Client Samp Date Collected Date Received: Prep Type Total/NA Client Samp Date Collected Date Received: Prep Type Total/NA Total/NA Client Samp Date Collected Date Collected	Iype Prep Analysis Ie ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis Ie ID: MP- Analysis Ie ID: MP- I: 11/10/23 0 : 11/10/23 1 Batch Type Prep Analysis Ie ID: MP- Prep Analysis Ie ID: MP- 11/10/23 1 Batch Type Prep Analysis Ie ID: Fiel I: 11/10/23 1 Batch Type	Incurrent 1668C 1668C 9:10 6:03 Batch Method 1668C 1668C 9:32 6:03 Batch Method 1668C Batch 9:38 6:03 Batch Method	Run Run	1 Dilution Factor 1 Dilution Factor 1 Dilution Factor 1 Dilution Factor	454387 454840 Batch Number 454387 454840 Batch Number 454387 454840 Batch Number	SJ7Z AQ46 Analyst SJ7Z AQ46 Analyst SJ7Z AQ46 AQ46	ELLE ELLE ELLE ELLE ELLE ELLE ELLE ELL	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared 0r Analyzed 12/14/23 23:57 12/17/23 12:06 b Sample ID: Prepared 12/14/23 23:57 12/17/23 13:22 b Sample ID: Prepared or Analyzed	410-151123-4 Matrix: Wate 410-151123-4 Matrix: Wate 410-151123-4 Matrix: Wate
Prep Type Total/NA Total/NA Client Samp Date Collected Date Received: Prep Type Total/NA Client Samp Date Collected Date Received: Prep Type Total/NA Collected Date Collected Date Collected	Iype Prep Analysis Ie ID: MP- 1: 11/10/23 0 : 11/10/23 1 Batch Type Prep Analysis Ie ID: MP- Analysis Ie ID: MP- Analysis Ie ID: MP- Analysis Ie Batch Type Prep Analysis Ie ID: Fiel Analysis Ie II: 11/10/23 0 I: 11/10/23 1 Batch Type Prep Analysis	Method 1668C 1668C 9:10 6:03 Batch Method 1668C 1668C 1668C 5 9:32 6:03 Batch Method 1668C Batch 9:38 6:03 Batch Method 1668C	Run Run Run Run	1 Dilution Factor 1 Dilution Factor 1 Dilution Factor 1 Dilution Factor 1	454387 454840 Batch Number 454387 454840 Batch Number 454387 454840 Batch Number 454387	SJ7Z AQ46 Analyst SJ7Z AQ46 Analyst SJ7Z AQ46 Analyst SJ7Z	ELLE ELLE ELLE ELLE ELLE ELLE ELLE ELL	12/14/23 23:57 12/17/23 10:49 b Sample ID: Prepared 0r Analyzed 12/14/23 23:57 12/17/23 12:06 b Sample ID: Prepared 0r Analyzed 12/14/23 23:57 12/17/23 13:22 b Sample ID: Prepared 0r Analyzed 12/14/23 23:57	410-151123-4 Matrix: Wate 410-151123-4 Matrix: Wate 410-151123-4 Matrix: Wate

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

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Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

hority	Progr	am	Identification Number	Expiration Date
A	Dept.	of Defense ELAP	0001.01	11-30-24
The following analytes for which the agency	s are included in this repo does not offer certificatior	ort, but the laboratory is no n.	t certified by the governing authori	ity. This list may include analyte
Analysis Method	Prep Method	Matrix	Analyte	
1668C	1668C	Water	Polychlorinated biphenyls	s, Total
1668C	1668C	Water	Total Dichlorobiphenyls	
1668C	1668C	Water	Total Heptachlorobipheny	/ls
1668C	1668C	Water	Total Hexachlorobiphenyl	ls
1668C	1668C	Water	Total Monochlorobipheny	ls
1668C	1668C	Water	Total Nonachlorobipheny	ls
1668C	1668C	Water	Total Octachlorobiphenyls	s
1668C	1668C	Water	Total Pentachlorobipheny	/ls
1668C	1668C	Water	Total Tetrachlorobiphenyl	S
1668C	1668C	Water	Total Trichlorobiphenyls	
lia	NELA	Р	460182	06-14-25
The following analyte	s are included in this repo	ort, but the laboratory is no	t certified by the governing authori	ity. This list may include analyl
for which the agency	does not offer certificatior	۱.		
Analysis Method	Prep Method	Matrix	Analyte	
16680	16680	Water	DCP Descehlershiphopy	

Analysis Method	r rep metrioù	Matrix	Analyte
1668C	1668C	Water	DCB Decachlorobiphenyl
1668C	1668C	Water	PCB-1
1668C	1668C	Water	PCB-10
1668C	1668C	Water	PCB-103
1668C	1668C	Water	PCB-104
1668C	1668C	Water	PCB-105
1668C	1668C	Water	PCB-106
1668C	1668C	Water	PCB-107
1668C	1668C	Water	PCB-108/124
1668C	1668C	Water	PCB-11
1668C	1668C	Water	PCB-110/115
1668C	1668C	Water	PCB-111
1668C	1668C	Water	PCB-112
1668C	1668C	Water	PCB-114
1668C	1668C	Water	PCB-118
1668C	1668C	Water	PCB-12/13
1668C	1668C	Water	PCB-120
1668C	1668C	Water	PCB-121
1668C	1668C	Water	PCB-122
1668C	1668C	Water	PCB-123
1668C	1668C	Water	PCB-126
1668C	1668C	Water	PCB-127
1668C	1668C	Water	PCB-128/166
1668C	1668C	Water	PCB-129/138/163
1668C	1668C	Water	PCB-130
1668C	1668C	Water	PCB-131
1668C	1668C	Water	PCB-132
1668C	1668C	Water	PCB-133
1668C	1668C	Water	PCB-134
1668C	1668C	Water	PCB-135/151
1668C	1668C	Water	PCB-136

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

Job ID: 410-151123-1

ority	Progr	am	Identification Number	Expiration Date
The following analytes for which the agency of	s are included in this repo does not offer certificatior	rt, but the laboratory is n.	not certified by the governing author	ity. This list may include analyte
Analysis Method	Prep Method	Matrix	Analyte	
1668C	1668C	Water	PCB-137	
1668C	1668C	Water	PCB-139/140	
1668C	1668C	Water	PCB-14	
1668C	1668C	Water	PCB-141	
1668C	1668C	Water	PCB-142	
1668C	1668C	Water	PCB-143	
1668C	1668C	Water	PCB-144	
1668C	1668C	Water	PCB-145	
1668C	1668C	Water	PCB-146	
1668C	1668C	Water	PCB-147/149	
1668C	1668C	Water	PCB-148	
1668C	1668C	Water	PCB-15	
1668C	1668C	Water	PCB-150	
1668C	1668C	Water	PCB-152	
1668C	1668C	Water	PCB-153/168	
1668C	1668C	Water	PCB-154	
1668C	1668C	Water	PCB-155	
1668C	1668C	Water	PCB-156/157	
1668C	1668C	Water	PCB-158	
1668C	1668C	Water	PCB-159	
1668C	1668C	Water	PCB-16	
1668C	1668C	Water	PCB-160	
1668C	1668C	Water	PCB-161	
1668C	1668C	Water	PCB-162	
1668C	1668C	Water	PCB-164	
1668C	1668C	Water	PCB-165	
1668C	1668C	Water	PCB-167	
1668C	1668C	Water	PCB-169	
1668C	1668C	Water	PCB-17	
1668C	1668C	Water	PCB-170	
1668C	1668C	Water	PCB-171/173	
1668C	1668C	Water	PCB-172	
1668C	1668C	Water	PCB-174	
1668C	1668C	Water	PCB-175	
1668C	1668C	Water	PCB-176	
1668C	1668C	Water	PCB-177	
1668C	1668C	Water	PCB-178	
1668C	1668C	Water	PCB-179	
1668C	1668C	Water	PCB-18/30	
1668C	1668C	Water	PCB-180/193	
1668C	1668C	Water	PCB-181	
1668C	1668C	Water	PCB-182	
1668C	1668C	Water	PCB-183/185	
1668C	1668C	Water	PCB-184	
1668C	1668C	Water	PCB-186	
1668C	1668C	Water	PCB-187	
1668C	16680	Water	PCB-188	

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

Job ID: 410-151123-1

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ority	Progr	am	Identification Number Expiration Date	
The following analyte for which the agency	s are included in this repo does not offer certificatior	ort, but the laboratory is i n.	not certified by the governing authority. This list may include anal	/tes
Analysis Method	Prep Method	Matrix	Analyte	
1668C	1668C	Water	PCB-189	
1668C	1668C	Water	PCB-19	
1668C	1668C	Water	PCB-190	
1668C	1668C	Water	PCB-191	
1668C	1668C	Water	PCB-192	
1668C	1668C	Water	PCB-194	
1668C	1668C	Water	PCB-195	
1668C	1668C	Water	PCB-196	
1668C	1668C	Water	PCB-197/200	
1668C	1668C	Water	PCB-198/199	
1668C	1668C	Water	PCB-2	
1668C	1668C	Water	PCB-20/28	
1668C	1668C	Water	PCB-201	
1668C	1668C	Water	PCB-202	
1668C	1668C	Water	PCB-203	
1668C	1668C	Water	PCB-204	
1668C	1668C	Water	PCB-205	
1668C	1668C	Water	PCB-206	
1668C	1668C	Water	PCB-207	
1668C	1668C	Water	PCB-208	
1668C	1668C	Water	PCB-21/33	
1668C	1668C	Water	PCB-22	
1668C	1668C	Water	PCB-23	
1668C	1668C	Water	PCB-24	
1668C	1668C	Water	PCB-25	
1668C	1668C	Water	PCB-26/29	
1668C	1668C	Water	PCB-27	
1668C	1668C	Water	PCB-3	
1668C	1668C	Water	PCB-31	
1668C	1668C	Water	PCB-32	
1668C	1668C	Water	PCB-34	
1668C	1668C	Water	PCB-35	
1668C	1668C	Water	PCB-36	
1668C	1668C	Water	PCB-37	
1668C	1668C	Water	PCB-38	
1668C	1668C	Water	PCB-39	
1668C	1668C	Water	PCB-4	
1668C	1668C	Water	PCB-40/71	
1668C	1668C	Water	PCB-41	
1668C	1668C	Water	PCB-42	
1668C	1668C	Water	PCB-43	
1668C	1668C	Water	PCB-44/47/65	
1668C	1668C	Water	PCB-45	
1668C	1668C	Water	PCB-46	
1668C	1668C	Water	PCB-48	
1668C	1668C	Water	PCB-49/69	
16690	16680	Water	PCB-5	

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

1668C

1668C

Job ID: 410-151123-1

ority	Progra	am	Identification Number Expiration Date
The following analyte for which the agency	s are included in this repo does not offer certification	rt, but the laboratory is ı ı.	not certified by the governing authority. This list may include analyte
Analysis Method	Prep Method	Matrix	Analyte
1668C	1668C	Water	PCB-50/53
1668C	1668C	Water	PCB-51
1668C	1668C	Water	PCB-52
1668C	1668C	Water	PCB-54
1668C	1668C	Water	PCB-55
1668C	1668C	Water	PCB-56
1668C	1668C	Water	PCB-57
1668C	1668C	Water	PCB-58
1668C	1668C	Water	PCB-59/62/75
1668C	1668C	Water	PCB-6
1668C	1668C	Water	PCB-60
1668C	1668C	Water	PCB-61/70/74/76
1668C	1668C	Water	PCB-63
1668C	1668C	Water	PCB-64
1668C	1668C	Water	PCB-66
1668C	1668C	Water	PCB-67
1668C	1668C	Water	PCB-68
1668C	1668C	Water	PCB-7
1668C	1668C	Water	PCB-72
1668C	1668C	Water	PCB-73
1668C	1668C	Water	PCB-77
1668C	1668C	Water	PCB-78
1668C	1668C	Water	PCB-79
1668C	1668C	Water	PCB-8
1668C	1668C	Water	PCB-80
1668C	1668C	Water	PCB-81
1668C	1668C	Water	PCB-82
1668C	1668C	Water	PCB-83
1668C	1668C	Water	PCB-84
1668C	1668C	Water	PCB-85/116/117
1668C	1668C	Water	PCB-86/87/97/109/119/125
1668C	1668C	Water	PCB-88
1668C	1668C	Water	PCB-89
1668C	1668C	Water	PCB-9
1668C	1668C	Water	PCB-90/101/113
1668C	1668C	Water	PCB-91
1668C	1668C	Water	PCB-92
1668C	1668C	Water	PCB-93/100
1668C	1668C	Water	PCB-94
1668C	1668C	Water	PCB-95
1668C	1668C	Water	PCB-96
1668C	1668C	Water	PCB-98/102
1668C	1668C	Water	PCB-99
1668C	1668C	Water	Polychlorinated biphenyls Total
1668C	1668C	Water	Total Dichlorobinhenvls

Eurofins Lancaster Laboratories Environment Testing, LLC

Total Hexachlorobiphenyls

Water

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling Job ID: 410-151123-1

ority	Progra	am	Identification Number Expiration Date	
The following analyte for which the agency	s are included in this repo does not offer certification	rt, but the laboratory is r	not certified by the governing authority. This list may ir	clude analytes
Analysis Method	Prep Method	Matrix	Analyte	
1668C	1668C	Water	Total Monochlorobiphenyls	_
	16680	Water	Total Nonachlorobiphenvls	
1668C	10000	Tator	retain reenacements is priority to	
1668C 1668C	1668C	Water	Total Octachlorobiphenyls	
1668C 1668C 1668C	1668C 1668C	Water Water	Total Octachlorobiphenyls Total Pentachlorobiphenyls	
1668C 1668C 1668C 1668C	1668C 1668C 1668C	Water Water Water	Total Octachlorobiphenyls Total Pentachlorobiphenyls Total Tetrachlorobiphenyls	

Method Summary

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

Method	Method Description	Protocol	Laboratory
1668C	Chlorinated Biphenyl Congeners (HRGC/HRMS)	EPA	ELLE
1668C	Separatory Funnel (Liquid-Liquid) Extraction	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: U.S. Army Corps of Engineers Project/Site: JBMHH Supplemental PCB sampling

Job ID: 410-151123-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
410-151123-1	MP-1	Water	11/10/23 09:25	11/10/23 16:03	
410-151123-2	MP-2	Water	11/10/23 09:20	11/10/23 16:03	
410-151123-3	MP-3	Water	11/10/23 08:55	11/10/23 16:03	
410-151123-4	MP-4	Water	11/10/23 09:10	11/10/23 16:03	
410-151123-5	MP-5	Water	11/10/23 09:32	11/10/23 16:03	
410-151123-6	Field Blank	Water	11/10/23 09:38	11/10/23 16:03	

Eurofins Lancaster Laboratories Environme

2425 New Holland Pike Lancaster, PA 17601

Chain of Custody Record



🔅 eurofins

Environment Testing

Client Information	Sampler	Sampler Tolbert and Choice with F			PM: wn-Niz	ole		410-151123 Chain of Custody						COC No 410-04732-26	844 1		
Client Contact	Phone	Phone E			Mail					Page:							
Kiera Hearn	301-9	301-992-4573			Nicole Brown@et eurofinsu:			s com VA					Page 1 of 1				
Company U.S. Army Corps of Engineers			PWSID						Anaiy	sis R	eauest	ted				Job #	
Address	Due Date Request	ed:			1 T	T	ТТ		T				TT		1	Preservation C	odes:
Attn: CENAB-EN_HI PO BOX 1715	747.0															A - HCL	M - Hexane
Baltimore		ays):			13 88											B - NaOH C - Zn Acetate	O - AsNaO2
State, Zip																D - Nitric Acid	P - Na2O4S Q - Na2SO3
MD, 21203-1715	Compliance Project	Compliance Project: A Yes A No													E - NaHSO4 F - MeOH	R - Na2S2O3	
rione.	W912DR23A 0	003 / Req: V	V81W3G 32	124133	2											G - Amchlor H - Ascorbic Aci	T - TSP Dodecat
Email:	WO #	WO#														I - Ice U - Acetone V - MCAA	
kiera m hearn@usace army mil	DO/Call No. W	DO/Call No. W912DR23F0260				Leu									5	K - EDTA	W - pH 4-5
JBMHH Supplemental PCB sampling	41016190	41016190				bu						1		1	tain	L - EDA	Z - other (specify
Site	SSOW#	SSOW#			amp SD (Y										cor	Other:	
Joint Dase Much - Hondonson Holl					d Sa	- PC									er of		
			Sample	Matrix	MS	005									qui		
		Samolo	Type	(W=water, S=solid,	d Fil										IN		
Sample Identification	Sample Date	Time	G=grab)	Orwesteroll, BT=Tissue, A=Air) Le d	1660									Tota	Special	Instructions/No
	\sim	\geq	Preserva	tion Code:	XX	N									X		
MP-1	11/10/23	09:25	G	Water	N	V											
MP-2	11/10/23	09:20	G	Water	N	V											
MP-3	11/10/23	08:55	G	Water	N	V	1										
MP-4	11/10/23	09-10	G	Water	N	~											
MP-5	11/10/23	07:32	G	Water	W	V											
F: A RIANK	11/0/23	09:38	G	Water	M	V											
				Water		1			-								
				Mater	++	-	+		-	$\left \right $	-+-+		+	_			
				vvaler	++	-	+ +	_	_			_	\downarrow				
				Water													
				Water													
						1											
Possible Hazard Identification	1	1			- Si	ampi	le Disp	osal (A fee	may b	asses	sed if s	ample	s are r	etaine	ed longer that	1 month)
Non-Hazard Flammable Skin Irritant	Poison B 🛄 Unki	nown	Radiologica	1			Return	To Cli	ient		Dispos	sal By L	ab .		Arch	ive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)					S	pecia	al Instru	ctions	/QC R	equiren	nents						
Empty Kit Relinguished by		Date:			Time	6						Method a	Shipme	int			
Relinquished by	Date/Time	Date/Time Company			Received by					Date/Time					Company		
Colin Hernend	8/9/23	3 10	:35			1											_
Relinquished by Chris Willy	Date/Time 11/10/2	3 12	:40	Company A	FLON	n_	ceived by						Date	ime			Company
Relinquished by	Date/Time			Company		Rec	ceived by	20	6	2			Date	imel -	5	31.0	Company
Custadu Saals Intent: Custadu Saal No - 1 // 1	adl	10				100	<u> </u>	Z	101 00		Damaster	_	114	Old	5	, 110.0	5 200
LUSIDON JEANS ITTALL ICUSIOUV JEAN NO.		11 100	T 1			000	oner rem	perature	13) L B	na Utner	REINBIRS	2			NI	1 0	110

Login Sample Receipt Checklist

Client: U.S. Army Corps of Engineers

Login Sample Receipt Checklist							
Client: U.S. Army Corps of Engineers		Job Number: 410-151123-1					
Login Number: 151123 List Number: 1	ist Source: Eurofins L	ancaster Laboratories Environment Testing, LLC	4				
Creator: Wrye, Shaun			5				
Question	Answer	Comment					
The cooler's custody seal is intact.	True						
The cooler or samples do not appear to have been compromised of tampered with.	or True		7				
Samples were received on ice.	True		8				
Cooler Temperature acceptable, where thermal pres is required (- frozen).</td <td>=6C, not True</td> <td></td> <td>9</td>	=6C, not True		9				
Cooler Temperature is recorded.	True						
WV:Container Temp acceptable, where thermal pres is required (< frozen).	/=6C, not N/A						
WV: Container Temperature is recorded.	N/A						
COC is present.	True						
COC is filled out in ink and legible.	True						
COC is filled out with all pertinent information.	True						
There are no discrepancies between the containers received and	the COC. True		13				
Sample containers have legible labels.	True						
Containers are not broken or leaking.	True						
Sample collection date/times are provided.	True		15				
• • · · · · ·	-						

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required (=6C, not frozen).</td <td>True</td> <td></td>	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable, where thermal pres is required (=6C, not frozen).</td <td>N/A</td> <td></td>	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	