

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

April 2025 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

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Section

TABLE OF CONTENTS

| 1.0 | Introduction and Background | 5 |
|-----|---|----|
| | 1.1 Installation Description and Organization | |
| | 1.2 MS4 Permit | 6 |
| | 1.3 MS4 Program and Legal Authorities | 7 |
| 2.0 | PCB Characteristics and Fate and Transport | 7 |
| 3.0 | Potomac Watershed PCB TMDL Applicability to JBM-HH MS4 Permit | 8 |
| 4.0 | JBM-HH PCB TMDL Action Plan for Small MS4 Permit | 9 |
| | 4.1 PCB TMDL Action Plan | 9 |
| | 4.2 PCB Historic Use Inventory Analysis | 9 |
| | 4.3 Summary of Site Analysis | 14 |
| | 4.4 Best Management Practices (BMPs) Analysis and Implementation Plan | 15 |
| | 4.4.1 BMP Evaluation | 16 |
| | 4.4.2 Site Specific BMP Analysis | 18 |
| | 4.4.3 BMP Recommendations Summary and Implementation Plan | 19 |
| 5.0 | Sampling and Analysis Plan | 23 |
| | 5.1 2016 Sampling Plan | |
| | 5.2 Sampling & Analysis Plan Implementation Progress | |
| 6.0 | Additional Investigation Plan | 25 |
| 7.0 | Plan Evaluation and Conclusions | 28 |
| 8.0 | References | 29 |

LIST OF TABLES

| Table 1. Eva | aluation and Recommendation of Existing BMPs at JBM-HH | 16 |
|--------------|--|----|
| Table 2. BM | IP Implementation Progress | 20 |

LIST OF FIGURES

| Figure 1: Site Location Map | 6 |
|--|----|
| Figure 2. Transformer Locations | 11 |
| Figure 3. Transformer at Building 270/273 and Outfall 021 Sampling Point | 23 |
| Figure 4. Area Surrounding Child Development Center and Outfalls 12 and 13 Sampling Points | |
| Figure 5. Outfall 012 Follow-up Investigation Sampling Points | 24 |

APPENDICES

- Appendix A JBM-HH 2019 Stormwater Policy
- Appendix B Transformer Inventory
- Appendix C Detailed Historical Use Site Analysis
- Appendix D Long Branch Detention Basin Drainage Area Facility Inspection Form
- Appendix E The Pentagram PCB Article
- Appendix F Stormwater Pollution Prevention Awareness Brochure
- Appendix G The Pentagram Recognizing and Reporting Pollution Concerns Article
- Appendix H August 2022 Monitoring Event Laboratory Results
- Appendix I November 2023 Monitoring Event Laboratory Results

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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.





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.

Joint Base Myer – Henderson Hall PCB TMDL Action Plan 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. The 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. This 2025 version was prepared to add BMPs for the current permit term and to add status updates for BMPs.

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, 2021, 2023, and 2024 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 25 September 2024 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 | |
|---|---|--|
| Structu | ral 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-struc | tural 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 Stormwater Pollution Prevention Plan (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 2025 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 Reporting Schedule | Progress as of 2025 | | | | |
|---|---|---|--|--|--|--|
| 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 Steps one should take if they observe oil leaking from a transformer Make fact sheet available through housing occupant orientation, annual training on the SWPPP installation operations and maintenance training materials. | 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 Pentagram</i> . The article was published on March 7, 2017 and is included as Appendix E . 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. JBM-HH DPW has also established a BMP maintenance contract to maintain all structural BMPs on base that require maintenance, based on the most recent inspections. | | | | |
| 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 | 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 continues to be provided on an annual basis. | | | | |

Table 2. BMP Implementation Progress

| | implementation will be summarized in Annual Reports. | | | | | |
|--|--|--|--|--|--|--|
| 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 <i>The Pentagram</i> 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 established a Stormwater Management Facility (SMF) Maintenance Contract through a contractor to conduct routine and non-routine maintenance on the majority of JBM-HH's BMPs. The maintenance activities will be conducted throughout CY2025. 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 were conducted on April 13, 2024. | | | | |

| | 2023-2028 Permit Term BMPs | | | | | | |
|---|--|--|--|--|--|--|--|
| 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 established a Stormwater Management Facility (SMF) Maintenance Contract through a contractor to conduct routine and non-routine maintenance on the majority of JBM-HH's BMPs. The maintenance activities will be conducted throughout CY2025. This contract will help to ensure proper routine maintenance of BMPs, as well as prompt addressing of issues noted during annual BMP inspections. | | | | | |
| Clean out stormdrain inlets in the Commissary parking lot and resample from sampling points in the Long Branch Detention Basin. | JBM-HH DPW to continue working to establish a contract to clean out the inlets. | JBM-HH is in the process of coordinating the clean out of the inlets prior to an additional sampling event. 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 next training sessions scheduled for April 24 and 29. | | | | | |

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:

| Date | Dura | ation Rainfall | | Preceding Event | |
|-----------|------|----------------|-------------|-----------------|-----|
| Date | 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 | Rainfall Preceding Ever | |
|-----------|----------|-----|-------------|-------------------------|-----|
| | 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 2024 Stormwater Policy

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AMIM-MHP

25 September 2024

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 23, Expiration Date: 31 Oct 28).

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 23, effective 12 Jul 23.

e. Executive Order 13990; Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis, 20 Jan 21.

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

g. Chesapeake Bay Preservation Area Designation and Management Regulations, 9VAC25-830, 31 Aug 22.

h. Virginia Erosion and Sediment Control Regulations, 9VAC25-840, 8 Nov 23.

i. EPA NPDES General Permit for Discharges from Construction Activity, 17 Feb 22, as amended 18 Jan 23.

j. Virginia Stormwater Management Program Regulation, 9VAC25-870, as amended 31 Aug 22.

k. Virginia General Permit for Discharges of Stormwater from Construction Activities, 9VAC25-880, 9 Nov 22.

I. Virginia General VPDES Permit for Discharges from Small Municipal Separate Storm Sewer Systems, 9VAC25-890, 1 Nov 23.

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

m. District of Columbia Municipal Regulations (DCMR) 2013 Rule on Stormwater Management and Soil Erosion and Sediment Control, Chapter 5 of Title 21, §§ 546, 547, and 552, 31 Jan 20.

n. Department of Defense Directive 4715.1E: Environment, Safety, and Occupational Health, 30 Dec 19.

o. Army Regulation 200-1: Environmental Protection and Enhancement, 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.

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.

6. DELGATION OF SIGNATORY AUTHORITY. All reports required by JBM-HH's MS4 Permit, and other information requested by the Virginia Department of Environmental Quality (VADEQ), shall be signed by a principal executive officer of the installation or a duly authorized representative of that person. The Garrison Commander, as the principal executive officer for the MS4 permit, may delegate signature authority to the Director of Public Works or the Environmental Management Division Chief, provided that a written authorization of the delegation of signatory authority is provided to the VADEQ. The Delegation of Signature Authority remains valid until a new Garrison Commander is appointed. At such time, a new Delegation of Signature Authority must be filed. Signature Authority from the current Garrison Commander was delegated to the Chief of the Environmental Management Division via Memorandum dated May 2024.

> LOWERY.TASHAN ICOLE.1233503270 Digitally signed by LOWERY.TASHA.NICOLE.12335 03270 Date: 2024.09.25 14:23:50 -04'00' Date: 2024.09.25 14:23:50 -04'00'

Encl

TASHA N. LOWERY COL, AG Commanding

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

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 2023, Expiration Date: 31 October 2028).

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 13990 Climate Crisis; Efforts to Protect Public Health and Environmental and Restore Science.

(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.

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

(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, as amended 31 Jan 2020.

(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-Henderson Hall and Fort McNair are subject to different sets of regulations due to being located in different regulatory jurisdictions (i.e. Commonwealth of Virginia and District of Columbia).

(1) 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 municipal separate storm sewer system (MS4) under the VPDES permit.

(2) 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 District of Columbia 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.

Encl 1

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

(3) These permits and the Commonwealth of Virginia's and 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:

<u>1.</u> Any flow observed 72 hours or more after the last rain event.

2. Muddy runoff or tracked sediment, especially near a construction site.

<u>3.</u> Washwater from vehicle and equipment washing (other than residents' personal vehicles and EMD-authorized car wash fundraisers as described in Section 2.b.2.b.).

<u>4.</u> 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 flushing's; irrigation water from landscape

Encl 1

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

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) Noncommercial fundraising car washes are allowed in certain locations on the Installation, provided that they are pre-approved by EMD; only biodegradable, phosphate-free, water-based cleaners are used; and nearby downgradient stormwater inlets are protected with booms/absorbent socks.

(c) 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.
- 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.

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

(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) Energy Independence and Security Act (EISA) Section 438.

<u>1.</u> If the footprint of a construction project is greater than 5,000 gross square feet or expands the footprint of existing facilities by more than 5,000 gross square feet, strategies must be employed to maintain or restore the predevelopment hydrology of the property. If the 5,000-square foot threshold is crossed, green infrastructure (i.e. rain gardens, bioretention areas, rain catchment systems, etc.) must be incorporated into the project design to retain the appropriate amount of stormwater onsite.

<u>2.</u> The project "footprint" consists of all horizontal hard surfaces and disturbed areas associated with the project development, including both building area and pavements (such as roads, parking, and sidewalks).

<u>3.</u> "Predevelopment hydrology" is defined as the pre-project hydrologic conditions of temperature, rate, volume, and duration of stormwater flow from the project site.

(b) 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. Contractors for 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

Encl 1

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

Preservation Act) must submit an Erosion and Sediment Control (ESC) 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 (CGP). Contractors are responsible for obtaining the required approvals and permit coverage, including closure of the permit upon completion of construction. Virginia DEQ must approve Erosion and Sediment Control Plans, Stormwater Management (SWM) 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. These inspections do not take the place of inspections required to be performed by the contractor in accordance with the project's CGP, ESC Plan, and SWM Plan, as applicable. 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.

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

<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.

(c) 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 (ESC) 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 (SWM) 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.

<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 ESC 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.

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

<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) Facilities at Fort Myer with higher potential of discharging pollutants include the following:

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 Landscaping Contractor Storage Yard Building 233 & 236 – TOG Caisson Stables & Paddocks

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

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

(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, 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 | DF10023164 | Atlantic Power System | 157 | 1000 | None |
| AC Pit (between Buildings 251 and 410) | 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-BI21 | 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-Al22 | CP1650000271 | Cooper | - | - | <50 ppm |
| Building 280 | - | C1018-Al20 | 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 4 | - | - | 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-EI27 | 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 | - | - | - | - | <50 ppm |
| Building 400 | TV-11 | C1018-BD56 | RHK-0597 | Standard | 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 | 21209347861 | ERMCO | 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 | 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. | 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 | - | 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) | 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- El27 | 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 – 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-Cy-(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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Appendix E – 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 F – 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.



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Appendix G – August 2022 Monitoring Event Laboratory Results

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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

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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

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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.

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

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Debra Bryan

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

Table of Contents

| Cover Page | 1 |
|--------------------------|----|
| Table of Contents | 3 |
| Definitions/Glossary | 4 |
| Case Narrative | 5 |
| Detection Summary | 6 |
| Client Sample Results | 8 |
| Isotope Dilution Summary | 17 |
| QC Sample Results | 20 |
| QC Association Summary | 26 |
| Lab Chronicle | 27 |
| Certification Summary | 28 |
| Method Summary | 29 |
| Sample Summary | 30 |
| Chain of Custody | 31 |
| Receipt Checklists | 32 |
| | |

Definitions/Glossary

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

Qualifiers

| Dioxin | | - 2 |
|-----------|--|-----|
| 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 | Λ |
| B | 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. | 3 |
| 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 | |
| 1C | Result is from the primary column on a dual-column method. | ð |
| 2C | Result is from the confirmation column on a dual-column method. | |
| 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) | 13 |
| 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 Actor (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

| |) ID: 410-96341-1 | Jo | | |
|----|-------------------|----------|----|-----|
| |): 410-96341-1 | Sample I | ab | La |
| | Prep Type | Method | D | Fac |
| | Total/NA | 1668A | _ | 1 |
| | Total/NA | 1668A | | 1 |
| 5 | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |
| 8 | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |
| 0 | Total/NA | 1668A | | 1 |
| 3 | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |
| 13 | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |
| | Total/NA | 1668A | | 1 |

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D 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 | | pg/L | 1 | 1668A | Total/NA |
| PCB-106 | 69 | JIB | 79 | | pg/L | 1 | 1668A | Total/NA |
| PCB-110/115 | 120 | JB | 160 | 26 | pg/L | 1 | 1668A | Total/NA |
| PCB-118 | 120 | В | 79 | | pg/L | 1 | 1668A | Total/NA |
| PCB-122 | 91 | IB | 79 | | 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 | | pg/L | 1 | 1668A | Total/NA |
| PCB-132 | 41 | J | 79 | | pg/L | 1 | 1668A | Total/NA |
| PCB-141 | 21 | JI | 79 | | pg/L | 1 | 1668A | Total/NA |
| PCB-146 | 18 | J | 79 | | pg/L | 1 | 1668A | Total/NA |
| PCB-147/149 | 70 | J | 160 | | pg/L | 1 | 1668A | Total/NA |
| PCB-153/168 | 100 | JB | 160 | | pg/L | 1 | 1668A | Total/NA |
| PCB-158 | 19 | J | 79 | 11 | pg/L | 1 | 1668A | Total/NA |
| PCB-164 | 9.0 | J | 79 | | pg/L | 1 | 1668A | Total/NA |
| PCB-167 | 11 | J | 79 | | pg/L | 1 | 1668A | Total/NA |
| PCB-170 | 24 | J | 79 | | pg/L | 1 | 1668A | Total/NA |
| PCB-174 | 20 | | 79 | | pg/L | 1 | 1668A | Total/NA |
| PCB-177 | 13 | J | 79 | | pg/L | 1 | 1668A | Total/NA |
| PCB-180/193 | 54 | | 160 | | pg/L | 1 | 1668A | Total/NA |
| PCB-187 | 28 | | 79 | | pg/L | 1 | 1668A | Total/NA |
| PCB-194 | 15 | | 120 | | 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)

| PCB-77 PCB-82 PCB-83 PCB-84 PCB-85/116/117 PCB-90/101/113 PCB-91 PCB-92 PCB-95 | 58 68 23 73 70 400 29 | 1 11 1 | 83 83 83 83 | 13 | pg/L pg/L | 1 1 | 1668A 1668A | Total/NA Total/NA |
|--|---|--------------|----------------------|-----|--------------|--------|----------------|----------------------|
| PCB-83 PCB-84 PCB-85/116/117 PCB-90/101/113 PCB-91 PCB-92 | 23 73 70 400 | J I | 83 83 | | | 1 | 1668A | Total/NA |
| PCB-84 PCB-85/116/117 PCB-90/101/113 PCB-91 PCB-92 | 73 70 400 | J | 83 | 16 | | | | |
| PCB-85/116/117 PCB-90/101/113 PCB-91 PCB-92 | 70 400 | | | | pg/L | 1 | 1668A | Total/NA |
| PCB-90/101/113 PCB-91 PCB-92 | 400 | J | | 26 | pg/L | 1 | 1668A | Total/NA |
| PCB-91 PCB-92 | | | 250 | 35 | pg/L | 1 | 1668A | Total/NA |
| PCB-92 | 29 | | 250 | 41 | pg/L | 1 | 1668A | Total/NA |
| | | J | 83 | 16 | pg/L | 1 | 1668A | Total/NA |
| PCB-95 | 54 | J | 83 | | pg/L | 1 | 1668A | Total/NA |
| | 170 | В | 83 | 12 | pg/L | 1 | 1668A | Total/NA |
| PCB-99 | 130 | В | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-105 | 350 | В | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-107 | 50 | J | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-108/124 | 36 | | 170 | | pg/L | 1 | 1668A | Total/NA |
| PCB-110/115 | 680 | | 170 | | pg/L | 1 | 1668A | Total/NA |
| PCB-114 | 20 | | 83 | | pg/L | | 1668A | Total/NA |
| PCB-118 | 700 | | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-122 | | JB | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-128/166 | 200 | 5 D | 170 | | pg/L | 1 | 1668A | Total/NA |
| PCB-129/138/163 | 1100 | R | 250 | | pg/L | 1 | 1668A | Total/NA |
| PCB-129/136/103 | 79 | | 83 | | | 1 | 1668A | Total/NA |
| | | | | | pg/L | | | |
| PCB-131 | 13 | J | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-132 | 320 | | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-134 | 44 | | 83 | | pg/L " | 1 | 1668A | Total/NA |
| PCB-135/151 | 120 | | 170 | | pg/L | 1 | 1668A | Total/NA |
| PCB-136 | 37 | | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-137 | 74 | J | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-141 | 140 | | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-146 | 100 | | 83 | 10 | pg/L | 1 | 1668A | Total/NA |
| PCB-153/168 | 640 | В | 170 | 19 | pg/L | 1 | 1668A | Total/NA |
| PCB-156/157 | 210 | | 170 | 30 | pg/L | 1 | 1668A | Total/NA |
| PCB-158 | 120 | | 83 | 11 | pg/L | 1 | 1668A | Total/NA |
| PCB-164 | 73 | J | 83 | 7.2 | pg/L | 1 | 1668A | Total/NA |
| PCB-167 | 65 | J | 83 | 11 | pg/L | 1 | 1668A | Total/NA |
| PCB-170 | 130 | | 83 | 11 | pg/L | 1 | 1668A | Total/NA |
| PCB-171/173 | 39 | J | 170 | 17 | pg/L | 1 | 1668A | Total/NA |
| PCB-172 | 23 | J | 83 | 9.3 | pg/L | 1 | 1668A | Total/NA |
| PCB-174 | 88 | | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-176 | 10 | J | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-177 | 51 | J | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-179 | 23 | | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-180/193 | 210 | | 170 | | pg/L | 1 | 1668A | Total/NA |
| PCB-187 | 75 | J | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-190 | 23 | | 83 | | pg/L | 1 | 1668A | Total/NA |
| PCB-194 | 32 | | 120 | | pg/L | 1 | 1668A | Total/NA |
| PCB-196 | 17 | | 120 | | pg/L | | 1668A | Total/NA |
| PCB-198/199 | 36 | | 250 | | pg/L | 1 | 1668A | Total/NA |
| PCB-203 | 20 | | 120 | | pg/L pg/L | 1 | 1668A | Total/NA |

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

| | j | |
|--|---|---|
| | | |
| | 9 | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | 6 |
| | | |
| | | |

| FCB-2 | ND | 200 | TO PG/L | 09/14/22 09.32 09/15/22 09.25 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 | |
| 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 | | | | 09/14/22 09:32 09/15/22 09:25 1 |
| | ND | 79 | 14 pg/L | 00/17/22 00.02 00/10/22 00.20 I |

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

| nalyte | Result Qual | | MDL | | D | Prepared | Analyzed | Dil Fac |
|-------------------------|-------------|----------|-----|--------------|---|----------------|----------------|---------|
| PCB-57 | ND | 79 | 12 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-58 | ND | 79 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-59/62/75 | ND | 240 | 25 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-60 | ND | 79 | 8.9 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-61/70/74/76 | 52 J | 310 | 30 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-63 | ND | 79 | 13 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-64 | 11 J I | 79 | 9.8 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-66 | 22 J | 79 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-67 | ND | 79 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-68 | ND | 79 | 9.8 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-72 | ND | 79 | 8.9 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-73 | ND | 79 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-77 | ND | 79 | 19 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-78 | ND | 79 | 15 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-79 | ND | 79 | 9.8 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-80 | ND | 79 | 9.8 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-81 | ND | 79 | 9.8 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-82 | 15 JI | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-83 | ND | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-84 | ND | 79 | 25 | | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-85/116/117 | ND | 240 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-86/87/97/109/119/125 | ND | 470 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| | | | 150 | pg/L | | | | |
| CB-88 | ND | 79 | 17 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-89 | ND | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-90/101/113 | 90 J | 240 | 39 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-91 | ND | 79 | 15 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-92 | 15 J | 79 | | | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-93/100 | ND | 160 | 25 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-94 | ND | 79 | 13 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-95 | 57 J B | 79 | 12 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-96 | ND | 79 | 18 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-98/102 | ND | 200 | 29 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-99 | 42 J B | 79 | 12 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-103 | ND | 79 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-104 | ND | 79 | 17 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-105 | 54 J B | 79 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-106 | 69 JIB | 79 | 19 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-107 | ND | 79 | 14 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-108/124 | ND | 160 | 26 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-110/115 | 120 J B | 160 | 26 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-111 | ND | 79 | 13 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-112 | ND | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-114 | ND | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-118 | 120 B | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-120 | ND | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-121 | ND | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-122 | 91 I B | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-123 | ND | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-125 | ND | 79 79 | | pg/L pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |

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5

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

ix: Water

5

6

| nalyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fa |
|----------------------|----------|-----------|-----------|-----|--------------|---|----------------------------------|----------------|--------|
| PCB-127 | ND | | 79 | 6.9 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| PCB-128/166 | 24 | JI | 160 | 18 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-129/138/163 | 150 | | 240 | 29 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| 2CB-130 | ND | | 79 | 11 | | | 09/14/22 09:32 | 09/15/22 09:25 | |
| PCB-131 | ND | | 79 | 12 | | | 09/14/22 09:32 | 09/15/22 09:25 | |
| PCB-132 | 41 | Ъ | 79 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| PCB-133 | ND | - | 79 | 9.8 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| °CB-134 | ND | | 79 | 17 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| PCB-135/151 | ND | | 160 | 31 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| PCB-136 | ND | | 79 | 15 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| °CB-137 | ND | | 79 | | | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-137 CB-139/140 | | | | | | | | | |
| | ND | | 160 | 19 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-141 | 21 | JI | 79 | 5.9 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-142 | ND | | 79 | 8.9 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| PCB-143 | ND | | 79 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-144 | ND | | 79 | 21 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-145 | ND | | 79 | 23 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-146 | 18 | J | 79 | 9.8 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-147/149 | 70 | J | 160 | 20 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-148 | ND | | 79 | 16 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-150 | ND | | 79 | 19 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-152 | ND | | 79 | 14 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-153/168 | 100 | JB | 160 | 18 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-154 | ND | | 200 | 44 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-155 | ND | | 79 | 20 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-156/157 | ND | | 160 | 29 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-158 | 19 | J | 79 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-159 | ND | | 79 | 14 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-160 | ND | | 79 | 12 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-161 | ND | | 79 | 9.8 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-162 | ND | | 79 | 8.9 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-164 | 9.0 | J | 79 | 6.9 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-165 | ND | | 79 | 9.8 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-167 | 11 | J | 79 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-169 | ND | | 79 | 18 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-170 | 24 | J | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-171/173 | ND | - | 160 | 16 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-172 | ND | | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-174 | 20 | л | 79 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-175 | ND | • | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-176 | ND | | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| | | 1 C | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-177 | 13 ND | | | | | | | 09/15/22 09:25 | |
| CB-178 | | | 79 70 | | pg/L | | 09/14/22 09:32 09/14/22 09:32 | | |
| CB-179 | ND | | 79 160 | | pg/L | | | 09/15/22 09:25 | |
| CB-180/193 | 54 | J | 160 | 19 | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-181 | ND | | 79 | 7.9 | | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-182 | ND | | 79 | | pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |
| CB-183/185 | ND | | 160 | 22 | pg/L pg/L | | 09/14/22 09:32 | 09/15/22 09:25 | |

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

| Method: 1668A - Chlorinated Analyte | | Qualifier | RL | MDL | Unit | D Prepared | Analyzed | Dil Fac |
|--|-----------------|-----------|--|-----|------|----------------------------|----------------------------|---------|
| PCB-186 | ND | | 79 | 11 | pg/L | 09/14/22 09:32 | | 1 |
| PCB-187 | 28 | J | 79 | 11 | pg/L | 09/14/22 09:32 | 09/15/22 09:25 | 1 |
| PCB-188 | ND | | 200 | | pg/L | 09/14/22 09:32 | 09/15/22 09:25 | 1 |
| PCB-189 | ND | | 79 | 15 | pg/L | 09/14/22 09:32 | 09/15/22 09:25 | 1 |
| PCB-190 | ND | | 79 | 16 | pg/L | 09/14/22 09:32 | 09/15/22 09:25 | 1 |
| PCB-191 | ND | | 79 | 9.8 | pg/L | 09/14/22 09:32 | 09/15/22 09:25 | 1 |
| PCB-192 | ND | | 79 | | pg/L | 09/14/22 09:32 | 09/15/22 09:25 | 1 |
| PCB-194 | 15 | J | 120 | 12 | pg/L | 09/14/22 09:32 | 09/15/22 09:25 | 1 |
| PCB-195 | ND | | 120 | | pg/L | 09/14/22 09:32 | 09/15/22 09:25 | 1 |
| PCB-196 | ND | | 120 | | pg/L | 09/14/22 09:32 | | 1 |
| PCB-197/200 | ND | | 240 | | pg/L | 09/14/22 09:32 | | 1 |
| PCB-198/199 | ND | | 240 | | pg/L | 09/14/22 09:32 | | 1 |
| PCB-201 | ND | | 390 | | pg/L | 09/14/22 09:32 | | |
| PCB-202 | ND | | 120 | | | 09/14/22 09:32 | | 1 |
| PCB-203 | ND | | 120 | | pg/L | 09/14/22 09:32 | | 1 |
| PCB-204 | ND | | 120 | | pg/L | 09/14/22 09:32 | | |
| PCB-205 | ND | | 120 | 6.9 | pg/L | 09/14/22 09:32 | | 1 |
| PCB-206 | ND | | 120 | | pg/L | 09/14/22 09:32 | | 1 |
| PCB-207 | ND | | 120 | | pg/L | 09/14/22 09:32 | | |
| PCB(C) 208 | ND | | 120 | | pg/L | 09/14/22 09:32 | | 1 |
| DCB Decachlorobiphenyl | ND | | 980 | | pg/L | 09/14/22 09:32 | | 1 |
| | | Qualifier | | | | | | |
| sotope Dilution PCB-1L | %Recovery 40 | Qualifier | Limits 15 - 150 | | | Prepared 09/14/22 09:32 | Analyzed 09/15/22 09:25 | Dil Fac |
| PCB-3L | 40 42 | | 15 - 150 15 - 150 | | | 09/14/22 09:32 | | 1 |
| PCB-4L | 42 37 | | 15 - 150 25 - 150 | | | 09/14/22 09:32 | | 1 |
| -СВ-4L РСВ-8L | 37 40 | | 25 - 150 25 - 150 | | | 09/14/22 09:32 | | 1 |
| PCB-0L PCB-15L | 40 43 | | 25 - 150 25 - 150 | | | | | 1 |
| PCB-13L PCB-19L | 43 40 | | 25 - 150 25 - 150 | | | 09/14/22 09:32 | | 1 |
| PCB-19L PCB-31L | | | | | | 09/14/22 09:32 | | |
| PCB-31L PCB-32L | 47 | | 25 - 150 25 - 150 | | | 09/14/22 09:32 | | 1 1 |
| | 46 | | 25 ₋ 150 25 ₋ 150 | | | 09/14/22 09:32 | | • |
| PCB-37L | 62 | | | | | 09/14/22 09:32 | | 1 |
| PCB-47L | 55 | | 25 - 150 | | | 09/14/22 09:32 | | 1 |
| PCB-54L | 44 | | 25 - 150 | | | 09/14/22 09:32 | | 1 |
| PCB-60L | 65 | | 25 - 150 | | | 09/14/22 09:32 | | 1 |
| PCB-70L | 66 | | 25 - 150 | | | 09/14/22 09:32 | | 1 |
| PCB-77L | 72 | | 25 - 150 | | | 09/14/22 09:32 | | 1 |
| PCB-81L | 70 | | 25 - 150 | | | 09/14/22 09:32 | | 1 |
| PCB-85L | 53 | | 25 - 150 | | | 09/14/22 09:32 | | 1 |
| PCB-95L | 59 | | 25 - 150 | | | 09/14/22 09:32 | | 1 |
| PCB-104L | 47 | | 25 _ 150 | | | 09/14/22 09:32 | | 1 |
| PCB-105L | 71 | | 25 - 150 | | | 09/14/22 09:32 | | 1 |
| PCB-114L | 71 | | 25 - 150 | | | 09/14/22 09:32 | | 1 |
| PCB-118L | 71 | | 25 _ 150 | | | 09/14/22 09:32 | | 1 |
| PCB-123L | 69 | | 25 - 150 | | | 09/14/22 09:32 | | 1 |
| PCB-126L | 67 | | 25 - 150 | | | 09/14/22 09:32 | | 1 |
| | | | 05 450 | | | 09/14/22 09:32 | 09/15/22 09:25 | 1 |
| PCB-127L | 68 | | 25 _ 150 | | | 09/14/22 09.32 | 03/13/22 03.23 | ' |
| PCB-127L PCB-155L | 68 59 | | 25 - 150 25 - 150 25 - 150 | | | 09/14/22 09:32 | | 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

| 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 | |
| PCB-2 | ND | | 210 | 17 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-3 | ND | | 210 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-4 | ND | | 47 | 23 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-5 | ND | | 47 | 21 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-6 | ND | | 41 | 19 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-7 | ND | | 41 | 17 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-8 | ND | | 41 | 17 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-9 | ND | | 41 | 18 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-10 | ND | | 47 | 23 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-11 | 210 | J | 310 | 110 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-12/13 | ND | | 83 | 35 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-14 | ND | | 47 | 21 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-15 | ND | | 47 | 21 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-16 | ND | | 41 | 14 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-17 | ND | | 41 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-18/30 | ND | | 83 | 25 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-19 | ND | | 41 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-20/28 | ND | | 83 | 29 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-21/33 | ND | | 83 | 30 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-22 | ND | | 41 | 14 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-23 | ND | | 41 | 16 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-24 | ND | | 41 | 18 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-25 | ND | | 41 | 13 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-26/29 | ND | | 83 | 37 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-27 | ND | | 41 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-31 | 16 | J | 41 | 14 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-32 | ND | | 41 | 8.3 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-34 | ND | | 41 | 18 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-35 | ND | | 41 | 20 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |

Eurofins Lancaster Laboratories Environment Testing, LLC

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

Lab Sample ID: 410-96341-2

Matrix: Water

er 4 - 4 iac 5

| Method: 1668A - Chlorinated Bip | henyl Congeners (HRGC/HI | RMS) (Continu | ed) | | | | |
|---------------------------------|--------------------------|---------------|-----|--------------|----------------|----------------|---------------------------------------|
| Analyte | Result Qualifier | RL | MDL | | D Prepared | Analyzed | Dil Fac |
| PCB-36 | ND | 41 | | 10 | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-37 | 12 J I | 41 | | 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 | pg/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 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-42 | ND | 83 | 12 | pg/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 JI | 250 | 25 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-45 | 25 J I | 83 | 19 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-46 | ND | 83 | 11 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-48 | ND | 83 | 9.3 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-49/69 | 19 J I | 170 | 19 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-50/53 | ND | 310 | 94 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-51 | ND | 83 | 13 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-52 | 34 JI | 83 | | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-54 | ND | 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 J | 83 | | | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-57 | ND | 83 | | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-58 | 11 JI | 83 | | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-59/62/75 | ND | 250 | | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | · · · · · · · · · · · · · · · · · · · |
| PCB-60 | 18 J I | 83 | | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| | | 330 | 3.5 | pg/L pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-61/70/74/76 PCB-63 | 150 J ND | 83 | 13 | | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| | | 83 | 10 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-64 | 21 J | 83 | | pg/L | | | 1 |
| PCB-66 | 44 J | | 11 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-67 | ND | 83 | 11 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-68 | ND | 83 | 10 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-72 | ND | 83 | | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-73 | ND | 83 | 11 | | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-77 | 58 JI | 83 | 20 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-78 | ND | 83 | | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-79 | ND | 83 | | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-80 | ND | 83 | | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-81 | ND | 83 | 10 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-82 | 68 J | 83 | | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-83 | 23 JI | 83 | 16 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-84 | 73 J | 83 | | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-85/116/117 | 70 J | 250 | 35 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-86/87/97/109/119/125 | ND | 500 | 160 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-88 | ND | 83 | 18 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-89 | ND | 83 | 16 | pg/L | 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 |
| PCB-91 | 29 J | 83 | 16 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-92 | 54 J | 83 | 12 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-93/100 | ND | 170 | | 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 B | 83 | 12 | pg/L | 09/14/22 09:32 | 09/15/22 00:57 | 1 |

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6

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

Page 13 of 32 Page 15 of 37

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

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| Analyte | Result | Qualifier | RL | MDL | | <u>D</u> | Prepared | Analyzed | Dil Fac |
|------------------|-----------|------------|----------|-----|--------------|----------|----------------------------------|----------------------------------|---------|
| PCB-96 | ND | | 83 | 19 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-98/102 | ND | | 210 | 30 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| °CB-99 | 130 | В | 83 | 12 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-103 | ND | | 83 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| CB-104 | ND | | 83 | 18 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| CB-105 | 350 | В | 83 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-106 | ND | | 83 | 20 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | 1 |
| PCB-107 | 50 | J | 83 | 14 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-108/124 | 36 | J | 170 | 27 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-110/115 | 680 | | 170 | 27 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-111 | ND | | 83 | 13 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-112 | ND | | 83 | | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-114 | 20 | | 83 | 19 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-118 | 700 | | 83 | 18 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-120 | ND | | 83 | | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-120 | ND | | 83 | | pg/L pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-121 | | JB | 83 | | pg/∟ pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-122 CB-123 | ND | J B | 83 | | | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-125 | ND | | | | pg/L | | | 09/15/22 00:57 | |
| | | | 83 | 30 | pg/L | | 09/14/22 09:32 | | |
| CB-127 | ND | | 83 | | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-128/166 | 200 | _ | 170 | 19 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-129/138/163 | 1100 | | 250 | 30 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-130 | 79 | | 83 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-131 | 13 | J | 83 | | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-132 | 320 | | 83 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-133 | ND | | 83 | 10 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-134 | 44 | J | 83 | 18 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-135/151 | 120 | J | 170 | 33 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-136 | 37 | J | 83 | 16 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-137 | 74 | J | 83 | 12 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-139/140 | ND | | 170 | 20 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-141 | 140 | | 83 | 6.2 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-142 | ND | | 83 | 9.3 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-143 | ND | | 83 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-144 | ND | | 83 | 22 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-145 | ND | | 83 | 24 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-146 | 100 | | 83 | | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-147/149 | ND | | 170 | 21 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-148 | ND | | 83 | | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-150 | ND | | 83 | | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-152 | ND | | 83 | | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-153/168 | 640 | B | 170 | | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-154 | ND | | 210 | | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-155 | ND | | 83 | | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-156/157 | 210 | | 170 | | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-158/157 | | | 83 | | pg/L pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| CB-158 CB-159 | 120 ND | | | | | | 09/14/22 09:32 | | |
| | | | 83 | | pg/L | | | 09/15/22 00:57 | |
| CB-160 CB-161 | ND ND | | 83 83 | 12 | pg/L pg/L | | 09/14/22 09:32 09/14/22 09:32 | 09/15/22 00:57 09/15/22 00:57 | |

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

| 5 | |
|----|--|
| 6 | |
| | |
| 8 | |
| 9 | |
| | |
| | |
| | |
| 13 | |
| | |
| | |

| 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 | |
| PCB-169 | ND | | 83 | 19 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-170 | 130 | | 83 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-171/173 | 39 | J | 170 | 17 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-172 | 23 | J | 83 | 9.3 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-174 | 88 | | 83 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-175 | ND | | 83 | 12 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-176 | 10 | J | 83 | 6.2 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-177 | 51 | J | 83 | 9.3 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-178 | ND | | 83 | 16 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-179 | 23 | J | 83 | 9.3 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-180/193 | 210 | | 170 | 20 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-181 | ND | | 83 | 8.3 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-182 | ND | | 83 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-183/185 | ND | | 170 | 23 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-184 | ND | | 83 | 14 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-186 | ND | | 83 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-187 | 75 | J | 83 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-188 | ND | | 210 | 49 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-189 | ND | | 83 | 16 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-190 | 23 | J | 83 | 17 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-191 | ND | | 83 | 10 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-192 | ND | | 83 | 9.3 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-194 | 32 | J | 120 | 12 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-195 | ND | | 120 | 14 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-196 | 17 | J | 120 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-197/200 | ND | | 250 | 14 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-198/199 | 36 | J | 250 | 19 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-201 | ND | | 410 | 51 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-202 | ND | | 120 | 9.3 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-203 | 20 | J | 120 | 13 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-204 | ND | | 120 | 10 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-205 | ND | | 120 | 7.2 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-206 | ND | | 120 | 7.2 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-207 | ND | | 120 | 10 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB(C) 208 | ND | | 120 | 57 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| DCB Decachlorobiphenyl | ND | | 1000 | 250 | pg/L | | 09/14/22 09:32 | 09/15/22 00:57 | |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fa |
| PCB-1L | 41 | | 15 - 150 | | | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-3L | 40 | | 15 - 150 | | | | 09/14/22 09:32 | 09/15/22 00:57 | - |
| PCB-4L | 32 | | 25 - 150 | | | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-8L | 42 | | 25 - 150 | | | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-15L | 45 | | 25 - 150 | | | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-19L | 40 | | 25 - 150 | | | | 09/14/22 09:32 | 09/15/22 00:57 | |
| PCB-31L | 52 | | 25 - 150 | | | | 09/14/22 09:32 | 09/15/22 00:57 | |
| | 02 | | | | | | | | |

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

25 - 150

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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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| Method: 1668A - Chlorinat | | • | | | | |
|---------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 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 | /NA |
|------|-------|-------|-----|
| | | | |

| | | | | ercent Isotop | | • • | • | | |
|--|--------------------------|----------------|----------|---------------|---------------|-------------|--------------|----------|---------|
| | | 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 |
| | | | Р | ercent Isotop | e Dilution Re | covery (Acc | eptance Limi | ts) | |
| | | PCB37L | PCB47L | PCB54L | PCB60L | PCB70L | PCB77L | PCB81L | PCB85I |
| 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 | 62 | 55 | 44 | 65 | 66 | 72 | 70 | 53 |
| 410-96341-2 | 22083107-002 Outfall DP | 79 | 66 | 47 | 86 | 84 | 90 | 87 | 80 |
| MB 410-295690/1-A | Method Blank | 71 | 63 | 54 | 72 | 71 | 73 | 71 | 57 |
| | | | | ercent Isotop | a Dilution De | | antonoo Limi | 4-1 | |
| | | PCB95L | PCB104L | PCB105L | PCB114L | PCB118L | PCB123L | PCB126L | PCB127 |
| | | | | | | | | | |
| 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 (Acc | eptance Limi | ts) | |
| | | PCB155L | 156157L | PCB167L | PCB169L | PCB180L | PCB188L | PCB189L | PCB202 |
| 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 | 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 |
| | | | Р | ercent Isotop | e Dilution Re | coverv (Acc | eptance Limi | ts) | |
| | | PCB205L | PCB206L | PCB208L | PCB209L | PCB128L | PCB133L | PCB141L | PCB162 |
| 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 | $\frac{1}{77}$ | 73 | 71 | 70 | 71 | 70 | 90 | 87 |
| 410-96341-2 | 22083107-002 Outfall DP | 93 | 83 | 76 | 103 | 81 | 87 | 112 | 116 |
| MB 410-295690/1-A | Method Blank | 96 | 92 | 91 | 98 | 87 | 83 | 107 | 109 |
| MD 410-200000/1-/(| Method Blank | 50 | 52 | 51 | 50 | 01 | 00 | 107 | 100 |
| Surrogate Legend | | | | | | | | | |
| 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 | | | | | | | | | |
| PCB47L = PCB-47L PCB54L = PCB-54L | | | | | | | | | |
| | | | | | | | | | |
| PCB54L = PCB-54L | | | | | | | | | |
| PCB54L = PCB-54L PCB60L = PCB-60L PCB70L = PCB-70L | | | | | | | | | |
| PCB54L = PCB-54L PCB60L = PCB-60L PCB70L = PCB-70L PCB77L = PCB-77L | | | | | | | | | |
| PCB54L = PCB-54L PCB60L = PCB-60L PCB70L = PCB-70L PCB77L = PCB-77L PCB81L = PCB-81L | | | | | | | | | |
| PCB54L = PCB-54L PCB60L = PCB-60L PCB70L = PCB-70L PCB77L = PCB-77L PCB81L = PCB-81L PCB85L = PCB-85L | | | | | | | | | |
| PCB54L = PCB-54L PCB60L = PCB-60L PCB70L = PCB-70L PCB77L = PCB-77L PCB81L = PCB-81L PCB85L = PCB-85L PCB95L = PCB-95L | | | | | | | | | |
| PCB54L = PCB-54L PCB60L = PCB-60L PCB70L = PCB-70L PCB77L = PCB-77L PCB81L = PCB-81L PCB85L = PCB-85L | | | | | | | | | |

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

| | | | | - | | covery (Acc | - | - | |
|--------------------|--------------------|----------|----------|---------------|---------------|-------------|--------------|----------|----------|
| | | PCB1L | PCB3L | PCB4L | PCB8L | PCB15L | PCB19L | PCB31L | PCB32L |
| _ab Sample ID | Client Sample ID | (15-140) | (15-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| _CS 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 |
| _ab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| _CS 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 |
| _ab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| _CS 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 |
| _ab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| _CS 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 |
| _ab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| _CS 410-295690/2-A | Lab Control Sample | 84 | 80 | 82 | 84 | 78 | 73 | 95 | 95 |
| Surrogate Legend | | | | | | | | | |

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

| A | | MB | | | 11 | _ | Dura | A | |
|-------------|----|-----------|-----|-----|--------------|---|----------------|----------------|-----|
| Analyte | | Qualifier | RL | MDL | | D | Prepared | Analyzed | Dil |
| CB-1 | ND | | 200 | 18 | | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-2 | ND | | 200 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-3 | ND | | 200 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-4 | ND | | 45 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-5 | ND | | 45 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-6 | ND | | 40 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-7 | ND | | 40 | 16 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-8 | ND | | 40 | 16 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-9 | ND | | 40 | 17 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-10 | ND | | 45 | 22 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-11 | ND | | 300 | 110 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-12/13 | ND | | 80 | 34 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-14 | ND | | 45 | 20 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-15 | ND | | 45 | 20 | | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-16 | ND | | 40 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-17 | ND | | 40 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-18/30 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-19 | ND | | 40 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-20/28 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-21/33 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-22 | ND | | 40 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-22 | | | | | | | | | |
| | ND | | 40 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-24 | ND | | 40 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-25 | ND | | 40 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-26/29 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-27 | ND | | 40 | 11 | | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-31 | ND | | 40 | 14 | | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-32 | ND | | 40 | 8.0 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-34 | ND | | 40 | 17 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-35 | ND | | 40 | 19 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-36 | ND | | 40 | 14 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-37 | ND | | 40 | 8.0 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-38 | ND | | 40 | 17 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-39 | ND | | 40 | 18 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-40/71 | ND | | 160 | 16 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-41 | ND | | 80 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-42 | ND | | 80 | 12 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-43 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-44/47/65 | ND | | 240 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-45 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-46 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-48 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-49/69 | ND | | 160 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| CB-50/53 | ND | | 300 | | pg/L pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| | ND | | | | | | | | |
| CB-51 | | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| PCB-52 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| PCB-54 | ND | | 80 | 18 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |

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-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 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-79 | ND | | 80 | 10 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-80 | ND | | 80 | 10 | pg/L | | 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 | 1 |
| PCB-83 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-84 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-85/116/117 | ND | | 240 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-86/87/97/109/119/125 | ND | | 480 | 150 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-88 | ND | | 80 | 17 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-89 | ND | | 80 | 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 | | 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 | | 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 | | 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 | | | 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 | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-107 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-108/124 | ND | | 160 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-110/115 | 32.3 | J | 160 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-111 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-112 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-114 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-118 | 60.4 | J | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-120 | ND | - | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| PCB-121 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-121 | 52.8 | .11 | 80 | | pg/L pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-123 | ND | ~ 1 | 80 | | 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 | МВ | | | | | | | |
|--------------------|--------|-----------|----------|-----|--------------|---|----------------|----------------|---------------------------------------|
| Analyte | Result | Qualifier | RL | MDL | | 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 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-136 | ND | | 80 | 15 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-137 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-139/140 | ND | | 160 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-141 | ND | | 80 | 6.0 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-142 | ND | | 80 | 9.0 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-143 | ND | | 80 | 11 | | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-144 | ND | | 80 | 21 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-145 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-146 | ND | | 80 | 10 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-147/149 | ND | | 160 | 20 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-148 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| PCB-150 | ND | | 80 | 19 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-152 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-153/168 | 33.6 | | 160 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| PCB-154 | ND | Ū | 200 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-155 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-156/157 | ND | | 160 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| PCB-158 | ND | | 80 | 11 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-159 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-160 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| PCB-161 | ND | | 80 | 12 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-162 | ND | | 80 | | 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 | |
| PCB-165 | ND | | 80 | 10 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-167 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-169 | ND | | 80 | | pg/L pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| PCB-109 | | | | | | | | | 1 |
| PCB-171/173 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| | ND | | 160 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | · · · · · · · · · · · · · · · · · · · |
| PCB-172 PCB-174 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-174 PCB-175 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| PCB-176 | ND | | 80 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-177 | ND | | 80 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | T A |
| PCB-178 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-179 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-180/193 | ND | | 160 | 19 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-181 | ND | | 80 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-182 | ND | | 80 | | 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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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-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 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-198/199 | ND | | 240 | 18 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-201 | ND | | 400 | 49 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-202 | ND | | 120 | 9.0 | | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-203 | ND | | 120 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-204 | ND | | 120 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | |
| PCB-205 | ND | | 120 | 7.0 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-206 | ND | | 120 | 7.0 | | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-207 | ND | | 120 | 10 | | | 09/14/22 09:32 | 09/15/22 02:28 | |
| PCB(C) 208 | ND | | 120 | 55 | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| DCB Decachlorobiphenyl | ND | | 1000 | | pg/L | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| | | МВ | 1000 | 240 | pg/L | | 09/14/22 09.32 | 09/13/22 02.20 | 1 |
| Isotope Dilution | %Recovery | | Limits | | | | Prepared | Analyzed | Dil Fac |
| PCB-1L | <u>////////////////////////////////</u> | quanter | 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 | |
| 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 25 - 150 | | | | 09/14/22 09:32 | 09/15/22 02:28 | |
| PCB-31L PCB-32L | 58 | | 25 - 150 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 09/15/22 02:28 | 1 |
| PCB-54L | 54 | | 25 - 150 | | | | 09/14/22 09:32 | | 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-123L | 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 02:28 | 1 |
| DCD 1071 | 75 | | 25 150 | | | | 09/14/22 09:32 | 09/15/22 02:28 | 1 |
| PCB-127L | 75 | | 25 - 150 | | | | 03/14/22 03:02 | 00/10/22 02.20 | |

Eurofins Lancaster Laboratories Environment Testing, LLC

8

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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 295690

3 4 5 6 7

LCS LCS

| | LCS | |
|------------------|---------------------------------------|----------------------|
| | Qualifier | Limits |
| PCB-1L 4 | | 15 - 140 |
| PCB-3L 5. | 8 | 15 - 140 |
| PCB-4L 44 | ! | 30 - 140 |
| PCB-8L 4 | } | 30 - 140 |
| PCB-15L 5 | | 30 - 140 |
| PCB-19L 40 | i | 30 - 140 |
| PCB-31L 5. | · · · · · · · · · · · · · · · · · · · | 30 - 140 |
| PCB-32L 50 |) | 30 - 140 |
| PCB-37L 65 | i | 30 - 140 |
| PCB-47L 50 | ; | 30 - 140 |
| PCB-54L 4 | | 30 - 140 |
| PCB-60L 6 | | 30 - 140 |
| PCB-70L 64 | | 30 - 140 |
| PCB-77L 65 | | 30 - 140 30 - 140 |
| PCB-81L 6 | | 30 - 140 30 - 140 |
| PCB-87L 00 | | 30 - 140 30 - 140 |
| | | |
| | | 30 - 140 30 - 140 |
| PCB-104L 55 | | 30 - 140 |
| PCB-105L 7 | | 30 - 140 |
| PCB-114L 70 | | 30 - 140 |
| PCB-118L 66 | | 30 - 140 |
| PCB-123L 60 | | 30 - 140 |
| PCB-126L 65 | ī | 30 - 140 |
| PCB-127L 6 | ; | 30 - 140 |
| PCB-155L 63 | 5 | 30 - 140 |
| PCB-156L/157L 82 | ? | 30 - 140 |
| PCB-167L 80 |) | 30 - 140 |
| PCB-169L 76 | } | 30 - 140 |
| PCB-180L 10- | r | 30 - 140 |
| PCB-188L 70 | ; | 30 - 140 |
| PCB-189L 8 | | 30 - 140 |
| PCB-202L 7 | | 30 - 140 |
| PCB-205L 84 | | 30 - 140 |
| PCB-206L 80 | | 30 - 140 30 - 140 |
| PCB-208L 88 | | 30 - 140 30 - 140 |
| PCB-209L 84 | | 30 - 140 30 - 140 |
| | | |
| PCB-128L 76 | | 30 - 140 |
| PCB-133L 7: | | 30 - 140 |
| PCB-141L 9: | | 30 - 140 |
| PCB-162L 9: | 5 | 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 Wa | | 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: 29599 - Lab Sample ID 410-96341-1 | 4 Client Sample ID 22083107-001 Outfall 012 | Prep Type Total/NA | Matrix Water | Method | Prep Batch 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 |
| LCS 410-295690/2-A - Analysis Batch: 29600 | · | Total/NA | Water | 1668A | 295690 |
| - | · | Total/NA Prep Type | Water Matrix | 1668A Method | 295690 Prep Batch |

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

| 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 | 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.

| uthority irginia | | Program | Identification Number | Expiration Date |
|---|----------------------|-----------------------------------|---|-------------------------------|
| | | NELAP | 460182 | 06-15-23 |
| The following analytes the agency does not of | | out the laboratory is not certifi | ed by the governing authority. This list ma | ay include analytes for whicl |
| 0, | | Matrix | Analyte | |
| Analysis Method 1668A | Prep Method 1668C | Matrix Water | Analyte PCB-129/138/163 | |
| Analysis Method | Prep Method | | | |

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

Client: Phase Separation Science, Inc

Job Number: 410-96341-1

| Login Number: 96341 | List Source: Eu | rofins Lancaster Laboratories Environment Testing, LLC |
|---------------------------|-----------------|--|
| List Number: 1 | | |
| Creator: Kanagy, Nicholas | | |
| Question | Answer | Comment |

| | Answei | 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 | |
| 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? | False | Received project as a subcontract. |
| Sample custody seals are intact. | True | |
| VOA sample vials do not have headspace >6mm in diameter (none, if from WV)? | N/A | |



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 | AECOM | OFFICE | LOCATION: | berman | town | PSS Wo | ork Order | #: 7 | 22 | 08 | 310 | 7 | | | | | PA | GE | 1OF | |
|-----|--|---------------------|--|-----------------|-------------|---|----------------------|-----------------------------|------------------------------|------------------|---------|---------------------|------------------------|---------------------|-------------|----------------|---------------|--------------|--------|----------------------|---|
| | | different): AELOM | | # 571- | | and the second se | Matrix C SW=Surfa | | DW=Dri | inking V | Vater (| GW=Gro | und Wat | er WV | V=Waste | Water | 0 =0il | S =S0 | il SOL | =Solid A =Air | WI=Wipe |
| | CONTACT: | Jenny Tolbert | EMAIL: | jenny.to | iber+@a | ecom.com | - | AB | Preserv Use C | vatives Codes | NIA | - | | - | - | | | | - | - | Preservative Codes |
| | | IAME: FT MYER PCB | campling | PROJECT #: | 600385 | 596 | ş | G=GRAB | Analysi Methoo Require | d | 000 | / | / | / | / | / | / | / | / | | 1 - HCL 2 - H ₂ SO ₄ 3 - HNO ₂ |
| | | TION: 606385910 FOR | | P.O. #: | | | OF CONTAINERS | SAMPLE TYPE: C=COMPOSITE | | A | | / | / | / | / | / | / | 1 | / | /// | 4 - NaOH 5 - E624KIT |
| | | »: Agrima Poudel | | DW CERT #: | | | CONT | PLE T OMPO | | her | / | / | / | / | / | / | / | / | / | / | 6 - ICE 7 - Sodium Thiosulfate |
| 2 | PSS ID | SAMPLE IDENTIFIC | CATION | DATE SAMPLED | TIME | MATRIX Use Codes | # OF | SAM | the | Pourtan | / | / | / | / | / | | / | / | / | | 8 - Ascorbic Acid 9 - TerraCore Kit |
| | 1 | outfall 012 | | 813012022 | 1710 | SW | 1 | 6 | X | | | | | | | | | | | NIA | Ches |
| | 2 | outfall DP | | 813012022 | 1715 | SW | 1 | 6 | X | | | | | | | | | | | NIA | |
| | | | | | 11.25 | | | | | | | | | | | | | | | | 52 T |
| | | | and the | | | 1 | | | | | | | | | | | | | | | 1 |
| 162 | | | der en | 12 3-1 | | | | | | | | | here | | 1 | | | | | | 1 |
| | 1. | Summer and | 1 | and a star | | | | | | | | | | | | | | | | | |
| | | 1997 - 1987 - 1988 | personal de la constante | | | | 2.12 | | | | | | | | | | | | | 1 | |
| | - And - | and the second | | | | 12 | | | | 19 | | | | | | | | | | | |
| | | | 1 | | | | | | | | | | 2 | | | - | 12 | | | A. | |
| | | Contraction of the | | | a alla | 1 | | | | | | | | 1.11 | | | 1 | | | 8.14 | |
| 5 | Relinquishe | | Date | Time | Received By | y: | | (| 4) Requ | ested Dav | | One TAT 3-Day | | :OC) 2-Da | IV | | resent: | | onE | 5 | |
| | | mor | 8131122 | 1018 | The Bar | | | 19 | O Ne | xt Day | ā | Emerge | ency [| Othe | | Custo # Coo | ody Se | al: \/ | | T-CONN | |
| | Relinquishe | ed By: (2) | Date 8/3/ | Time 1200 | Received By | | Ge | 4 | | | | PA | | | | Tun - | biers: | urrier: | T | Femp: 2.3- | 9.800 |
| | Relinquishe | ed By: (3) | Date | Time | Received By | y: | | | | | 172 | Speci CV6 SIG | al Instr TOD neD | uction: | s: HLB C | m ce | OCCR | . INT | | NOT DATE | oor |
| | Relinquishe | əd By: (4) | Date | Time | Received By | y: | | 110 | EDD FC | ORMAT | TYPE | | | | 1 | 100 | | | | | |

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. | | Poc | eived By | Amber | Confer |
|-----------------|--------------------------------------|----------|-------|--------------|------------|----------------------|
| | | | | • | | |
| Disposal Date | 10/05/2022 | | | Received | | 2022 12:00:00 PM |
| | | | Deliv | vered By | Trans T | Fime Express |
| | | | Trac | king No | Not App | licable |
| | | | Log | ged In By | Jillian (| Chapman |
| Shipping Contai | ner(s) | | - | | | |
| No. of Coolers | 1 | | | | | |
| | | | - | lce | | Present |
| Custody Seal(s | • | N/A | | Temp (deg (| | 4.8 |
| Seal(s) Signed | / Dated? | N/A | _ | Temp Blank | Present | t No |
| Documentation | | | | Sampler Nai | | <u>Agrima Poudel</u> |
| - | th sample labels? | Yes | I | MD DW Cer | t. No. | N/A |
| Chain of Custo | dy | Yes | | | | |
| Sample Contain | er | | (| Custody Sea | al(s) Inta | ct? Yes |
| | Specified Analysis? | Yes | | Seal(s) Sign | ed / Dat | ed Yes |
| Intact? | | Yes | | () 0 | | |
| Labeled and La | bels Legible? | Yes | | | | |
| Holding Time | | | - | Total No. of | Samples | s Received 2 |
| All Samples Re | ceived Within Holding Time(s)? | Yes | - | Total No. of | Contain | ers Received 2 |
| Preservation | | | | | | |
| Total Metals | | | | (p⊢ | l<2) | N/A |
| Dissolved Meta | ls, filtered within 15 minutes of co | ollectio | n | (p⊢ | l<2) | N/A |
| | us, filtered within 15 minutes of c | ollectic | on | | | N/A |
| Cyanides | | | | | l>12) | N/A |
| Sulfide | | | | | l>9) | N/A |
| | d filtered), COD, Phenols | | | | l<2) | N/A |
| TOX, TKN, NH | • | | | | l<2) | N/A |
| | OA Vials Rcvd Preserved) | | | (p⊢ | l<2) | N/A |
| | ave zero headspace? | · - N | | | | N/A |
| • | d at least one unpreserved VOA v | vial) | | 11 | L-0) | N/A |
| 524 VUU (RCVC | d with trip blanks) | | | (pF | l<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

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Appendix H – 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

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

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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.

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Table of Contents

| Cover Page | 1 |
|--------------------------|----|
| Table of Contents | 4 |
| Definitions/Glossary | 5 |
| Case Narrative | 6 |
| Detection Summary | 7 |
| Client Sample Results | 15 |
| Isotope Dilution Summary | 43 |
| QC Sample Results | 47 |
| QC Association Summary | 55 |
| Lab Chronicle | 56 |
| Certification Summary | 57 |
| Method Summary | 62 |
| Sample Summary | 63 |
| Chain of Custody | 64 |
| Receipt Checklists | 65 |
| | |

Definitions/Glossary

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

Job ID: 410-151123-1

3

Qualifiers

Dioxin

| Dioxin | | |
|----------------|---|----|
| Qualifier | Qualifier Description | 4 |
| cn | Refer to Case Narrative for further detail | |
| I | 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 | | 7 |
| 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 | 0 |
| %R | Percent Recovery | 0 |
| 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) | 13 |
| 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) | |

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

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Lab Sample ID: 410-151123-1

| Analyte | | Qualifier | LOQ | LOD | DL | Unit | Dil Fac | D Method | Prep Type |
|------------------|-----------|-----------|----------|----------|-----|------|---------|----------|-----------|
| PCB-103 | 12 | J | 75 | 38 | 10 | pg/L | 1 | 1668C | Total/NA |
| PCB-105 | 65 | J | 75 | 38 | 10 | pg/L | 1 | 1668C | Total/NA |
| PCB-107 | 15 | J | 75 | 38 | 13 | pg/L | 1 | 1668C | Total/NA |
| CB-11 | 160 | J | 280 | 260 | 100 | pg/L | 1 | 1668C | Total/NA |
| CB-110/115 | 540 | | 150 | 94 | | pg/L | 1 | 1668C | Total/NA |
| CB-118 | 220 | | 75 | 38 | | pg/L | 1 | 1668C | Total/NA |
| CB-128/166 | 190 | | 150 | 66 | | pg/L | 1 | 1668C | Total/NA |
| CB-129/138/163 | 3500 | | 230 | 100 | 27 | | 1 | 1668C | Total/NA |
| CB-130 | 130 | | 75 | 38 | | pg/L | 1 | 1668C | Total/NA |
| CB-132 | 860 | | 75 | 38 | | pg/L | 1 | 1668C | Total/NA |
| CB-133 | 35 | J | 75 | 38 | 9.4 | | 1 | 1668C | Total/NA |
| CB-134 | 110 | • | 75 | 38 | | pg/L | 1 | 1668C | Total/NA |
| CB-135/151 | 1700 | | 150 | 94 | 30 | | 1 | 1668C | Total/NA |
| CB-136 | 440 | cn | 75 | 38 | 14 | pg/L | 1 | 1668C | Total/NA |
| CB-141 | 810 | | 75 | 19 | | pg/L | 1 | 1668C | Total/NA |
| CB-144 | 200 | cn | 75 | 47 | 20 | | 1 | 1668C | Total/NA |
| CB-146 | 490 | | 75 | 38 | 9.4 | 10 | 1 | 1668C | Total/NA |
| CB-147/149 | 3000 | | 150 | 75 | | pg/L | 1 | 1668C | Total/NA |
| CB-153/168 | 3500 | | 150 | 75 | | | 1 | 1668C | Total/NA |
| CB-156/157 | 170 | | 150 | 75 | 27 | pg/L | 1 | 1668C | Total/NA |
| CB-158 | 260 | | 75 | 38 | | pg/L | 1 | 1668C | Total/NA |
| CB-150 | 42 | | 75 | 47 | | pg/L | 1 | 1668C | Total/NA |
| CB-159 CB-16 | 15 | | 38 | 28 | | pg/L | 1 | 1668C | Total/NA |
| CB-164 | 270 | J | 38 75 | 20 19 | | pg/L | 1 | 1668C | Total/NA |
| CB-164 CB-167 | 270 69 | | 75 75 | 38 | | | 1 | 1668C | Total/NA |
| | | | | | | pg/L | | | |
| CB-17 | 19 | J | 38 | 28 | 10 | pg/L | 1 | 1668C | Total/NA |
| CB-170 | 1500 | | 75 | 38 | 10 | pg/L | 1 | 1668C | Total/NA |
| CB-171/173 | 440 | | 150 | 47 | | pg/L | 1 | 1668C | Total/NA |
| CB-172 | 290 | | 75 | 28 | 8.4 | pg/L | 1 | 1668C | Total/NA |
| CB-174 | 1600 | | 75 | 38 | | pg/L | 1 | 1668C | Total/NA |
| CB-175 | 61 | J | 75 | 38 | | 10 | 1 | 1668C | Total/NA |
| CB-176 | 220 | | 75 | 19 | | pg/L | 1 | 1668C | Total/NA |
| CB-177 | 880 | | 75 | 28 | | pg/L | 1 | 1668C | Total/NA |
| CB-178 | 380 | | 75 | 56 | | pg/L | 1 | 1668C | Total/NA |
| CB-179 | 690 | | 75 | 28 | | | 1 | 1668C | Total/NA |
| CB-18/30 | 27 | J | 75 | 47 | | pg/L | 1 | 1668C | Total/NA |
| CB-180/193 | 3200 | | 150 | 66 | | pg/L | 1 | 1668C | Total/NA |
| CB-183/185 | 1100 | | 150 | 75 | | pg/L | 1 | 1668C | Total/NA |
| CB-187 | 2100 | | 75 | 38 | | pg/L | 1 | 1668C | Total/NA |
| CB-189 | 52 | J | 75 | 38 | | pg/L | 1 | 1668C | Total/NA |
| CB-190 | 340 | | 75 | 38 | | pg/L | 1 | 1668C | Total/NA |
| CB-191 | 62 | J | 75 | 28 | | pg/L | 1 | 1668C | Total/NA |
| CB-194 | 710 | | 110 | 38 | | pg/L | 1 | 1668C | Total/NA |
| CB-195 | 330 | | 110 | 47 | | pg/L | 1 | 1668C | Total/NA |
| CB-196 | 410 | | 110 | 38 | | pg/L | 1 | 1668C | Total/NA |
| CB-198/199 | 840 | | 230 | 47 | | pg/L | 1 | 1668C | Total/NA |
| CB-20/28 | 42 | | 75 | 56 | | pg/L | 1 | 1668C | Total/NA |
| CB-201 | 97 | J | 380 | 180 | | pg/L | 1 | 1668C | Total/NA |
| CB-202 | 140 | | 110 | 28 | | pg/L | 1 | 1668C | Total/NA |
| CB-203 | 510 | | 110 | 47 | 12 | pg/L | 1 | 1668C | Total/NA |
| CB-205 | 51 | J | 110 | 19 | 6.6 | pg/L | 1 | 1668C | Total/NA |

This Detection Summary does not include radiochemical test results.

Client Sample ID: MP-1 (Continued)

Lab Sample ID: 410-151123-1

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| 13 |
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| 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 | pg/L | 1 | | 1668C | Total/NA |
| PCB-40/71 | 28 | JM | 150 | 56 | | pg/L | 1 | | 1668C | Total/NA |
| PCB-42 | 19 | JIM | 75 | 38 | 11 | pg/L | 1 | | 1668C | Total/NA |
| PCB-44/47/65 | 150 | JM | 230 | 84 | 23 | pg/L | 1 | | 1668C | Total/NA |
| PCB-48 | 11 | J | 75 | 28 | | pg/L | 1 | | 1668C | Total/NA |
| PCB-49/69 | 56 | J | 150 | 66 | 17 | pg/L | 1 | | 1668C | Total/NA |
| PCB-51 | 58 | J | 75 | 47 | 12 | pg/L | 1 | | 1668C | Total/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 | | 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 | pg/L | 1 | | 1668C | Total/NA |
| PCB-83 | 23 | JIM | 75 | 38 | | pg/L | 1 | | 1668C | Total/NA |
| PCB-84 | 50 | J | 75 | 56 | 23 | pg/L | 1 | | 1668C | Total/NA |
| PCB-85/116/117 | 37 | J | 230 | 120 | 32 | pg/L | 1 | | 1668C | Total/NA |
| PCB-86/87/97/109/119/1 | 210 | JM | 450 | 280 | | pg/L | 1 | | 1668C | Total/NA |
| 25 PCB-90/101/113 | 890 | | 230 | 110 | 38 | pg/L | 1 | | 1668C | Total/NA |
| PCB-91 | 48 | | 75 | 38 | | pg/L pg/L | 1 | | 1668C | Total/NA |
| PCB-92 | 130 | J | 75 | 38 | | pg/L | 1 | | 1668C | Total/NA |
| PCB-92/100 | 26 | | 150 | 36 75 | 23 | pg/L pg/L | 1 | | 1668C | Total/NA |
| PCB-95 | 560 | 5 | 75 | 38 | 11 | pg/L pg/L | 1 | | 1668C | Total/NA |
| PCB-93 PCB-99 | 110 | M | 75 | 38 | 11 | pg/L pg/L | 1 | | 1668C | Total/NA |
| Total Dichlorobiphenyls | 180 | | 38 | 30 | 15 | pg/L pg/L | 1 | | 1668C | Total/NA |
| Total Trichlorobiphenyls | 190 | | 38 | 30 19 | 7.5 | | 1 | | 1668C | Total/NA |
| Total | 570 | | 75 | 28 | | pg/L pg/L | 1 | | 1668C | Total/NA |
| Tetrachlorobiphenyls | 570 | | 10 | 20 | 0.4 | P9/⊏ | | | 10000 | |
| Total | 3000 | I | 75 | 19 | 6.6 | pg/L | 1 | | 1668C | Total/NA |
| Pentachlorobiphenyls | | | | | | | | | | |
| Total | 16000 | I | 75 | 19 | 5.6 | pg/L | 1 | | 1668C | Total/NA |
| Hexachlorobiphenyls | | | <u></u> | | | | | | | |
| Total | 13000 | | 75 | 19 | 5.6 | pg/L | 1 | | 1668C | Total/NA |
| Heptachlorobiphenyls Total | 3200 | | 110 | 19 | 66 | pg/L | 1 | | 1668C | Total/NA |
| Octachlorobiphenyls | 5200 | | 110 | 15 | 0.0 | P9/⊏ | | | 10000 | |
| Total | 200 | | 110 | 19 | 6.6 | pg/L | 1 | | 1668C | Total/NA |
| Nonachlorobiphenyls | | | | | | | | | | |
| Polychlorinated | 36000 | I | 38 | 19 | 5.6 | pg/L | 1 | | 1668C | Total/NA |
| biphenyls, Total | | | ~~~~ | | | | | | 10000 | T (1011 |
| 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 | | Qualifier | LOQ | LOD | DL | Unit | Dil Fac D | Method | Prep Type |
|-------------------------------|-----|-----------|-----|-----|-----|--------|-----------|--------|-----------|
| PCB-105 | 17 | J | 80 | 40 | 11 | pg/L | | 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 | pg/L | 1 | 1668C | Total/NA |
| PCB-194 | 22 | J | 120 | 40 | 12 | pg/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 | pg/L | 1 | 1668C | Total/NA |
| PCB-44/47/65 | 24 | J | 240 | 90 | 24 | | 1 | 1668C | Total/NA |
| PCB-52 | 21 | J | 80 | 40 | 12 | pg/L | 1 | 1668C | Total/NA |
| PCB-66 | 11 | J | 80 | 40 | 11 | pg/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 | | pg/L | 1 | 1668C | Total/NA |
| Total Dichlorobiphenyls | 160 | I | 40 | 32 | 16 | pg/L | 1 | 1668C | Total/NA |
| Total | 56 | | 80 | 30 | 9.0 | pg/L | 1 | 1668C | Total/NA |
| Tetrachlorobiphenyls | | | | | | 1.5 | | | |
| 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 | n.e./l | 1 | 16690 | |
| Total Heptachlorobiphenyls | 140 | I | 80 | 20 | 6.0 | pg/L | 1 | 1668C | Total/NA |
| Total | 47 | JI | 120 | 20 | 70 | pg/L | 1 | 1668C | Total/NA |
| Octachlorobiphenyls | 71 | | 120 | 20 | 7.0 | P9'- | • | | |
| 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 | Ргер Туре |
|-----------------|--------|-----------|-----|-----|-----|------|---------|---|--------|-----------|
| 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 | LOQ | LOD | DL | Unit | Dil Fac | D Method | Prep Typ |
|-----------------------------|--------|-----------|-----|----------|-----|--------------|---------|----------|----------|
| PCB-136 | 33 | J cn | 75 | 37 | 14 | pg/L | 1 | 1668C | Total/NA |
| CB-137 | 11 | J | 75 | 37 | 11 | pg/L | 1 | 1668C | Total/NA |
| PCB-141 | 49 | J | 75 | 19 | 5.6 | pg/L | 1 | 1668C | Total/NA |
| PCB-146 | 35 | J | 75 | 37 | 9.4 | pg/L | 1 | 1668C | Total/NA |
| PCB-147/149 | 190 | | 150 | 75 | 19 | pg/L | 1 | 1668C | Total/NA |
| PCB-153/168 | 230 | | 150 | 75 | 17 | pg/L | 1 | 1668C | Total/NA |
| PCB-158 | 26 | J | 75 | 37 | | pg/L | 1 | 1668C | Total/NA |
| PCB-164 | 20 | J | 75 | 19 | | pg/L | 1 | 1668C | Total/NA |
| PCB-170 | 68 | | 75 | 37 | 10 | | 1 | 1668C | Total/NA |
| PCB-171/173 | 23 | | 150 | 47 | | pg/L | 1 | 1668C | Total/NA |
| PCB-172 | 16 | | 75 | 28 | | pg/L | 1 | 1668C | Total/NA |
| PCB-174 | 86 | | 75 | 37 | | pg/L | 1 | 1668C | Total/NA |
| CB-176 | 12 | | 75 | 19 | | pg/L | 1 | 1668C | Total/NA |
| CB-177 | 44 | | 75 | 28 | | pg/L | 1 | 1668C | Total/NA |
| PCB-178 | 24 | | 75 | 56 | | pg/L | 1 | 1668C | Total/NA |
| °CB-179 | 37 | | 75 | 28 | | pg/L | | 1668C | Total/NA |
| CB-179 CB-180/193 | 160 | 0 | 150 | 20 66 | | pg/L pg/L | 1 | 1668C | Total/NA |
| CB-183/185 | 61 | 1 | 150 | 75 | 21 | | 1 | 1668C | Total/NA |
| CB-183/183 CB-187 | 130 | J | 75 | 37 | | pg/L | | 1668C | Total/NA |
| CB-187 CB-190 | 150 | | 75 | 37 | 15 | | 1 | 1668C | Total/NA |
| | | | | | | pg/L | | | |
| CB-194 | 51 | | 110 | 37 | 11 | | 1 | 1668C | Total/NA |
| PCB-195 | | JM | 110 | 47 | 13 | | 1 | 1668C | Total/NA |
| PCB-196 | 30 | | 110 | 37 | 10 | pg/L | 1 | 1668C | Total/NA |
| PCB-198/199 | 73 | | 220 | 47 | 17 | | 1 | 1668C | Total/NA |
| PCB-202 | | JIM | 110 | 28 | | pg/L | 1 | 1668C | Total/NA |
| PCB-203 | 35 | | 110 | 47 | | pg/L | 1 | 1668C | Total/NA |
| PCB-206 | | JM | 110 | 19 | | pg/L | 1 | 1668C | Total/NA |
| PCB-31 | 19 | | 37 | 28 | | pg/L | 1 | 1668C | Total/NA |
| PCB-37 | 12 | | 37 | 19 | | pg/L | 1 | 1668C | Total/NA |
| PCB-44/47/65 | 40 | J | 220 | 84 | 22 | pg/L | 1 | 1668C | Total/NA |
| PCB-52 | 56 | | 75 | 37 | 11 | 10 | 1 | 1668C | Total/NA |
| PCB-56 | 14 | J | 75 | 37 | 13 | pg/L | 1 | 1668C | Total/NA |
| CB-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 |
| otal Dichlorobiphenyls | 450 | | 37 | 30 | | pg/L | 1 | 1668C | Total/NA |
| otal Trichlorobiphenyls | 31 | | 37 | 19 | | pg/L | 1 | 1668C | Total/NA |
| otal | 220 | | 75 | 28 | | pg/L | 1 | 1668C | Total/NA |
| etrachlorobiphenyls | | | | | | | | | |
| otal | 720 | I | 75 | 19 | 6.6 | pg/L | 1 | 1668C | Total/NA |
| Pentachlorobiphenyls | 4400 | | 76 | 10 | FC | ng/l | A | 16690 | |
| otal Iexachlorobiphenyls | 1100 | I | 75 | 19 | 0.0 | pg/L | 1 | 1668C | Total/NA |
| otal | 680 | I | 75 | 19 | 5.6 | pg/L | 1 | 1668C | Total/NA |
| leptachlorobiphenyls | | | | | | | | | |

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 | | 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

| PCB-110/115 | | | | LOD | DL | | Dil Fac D | | Prep Type |
|-----------------|--------|------|-----|-----|-----|------|-----------|-------|-----------|
| | 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 | | 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 | | 1 | 1668C | Total/NA |
| PCB-195 | 45 | | 110 | 47 | 13 | pg/L | 1 | 1668C | Total/NA |
| PCB-196 | 65 | | 110 | 38 | 10 | pg/L | 1 | 1668C | Total/NA |
| PCB-198/199 | 120 | | 230 | 47 | 17 | pg/L | 1 | 1668C | Total/NA |
| PCB-202 | 20 | | 110 | 28 | | | 1 | 1668C | Total/NA |
| PCB-203 | 69 | | 110 | 47 | | pg/L | 1 | 1668C | Total/NA |
| PCB-205 | 7.6 | | 110 | 19 | 6.6 | pg/L | 1 | 1668C | Total/NA |
| PCB-206 | | JM | 110 | 19 | | pg/L | 1 | 1668C | Total/NA |
| PCB-52 | 21 | | 75 | 38 | | 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 Metho | od Prep Type |
|-------------------------------------|--------|-----------|-----|-----|-----|------|---------|---------|--------------|
| PCB-90/101/113 | 260 | | 230 | 110 | 38 | pg/L | 1 | 16680 | C Total/NA |
| PCB-92 | 41 | J | 75 | 38 | 11 | pg/L | 1 | 16680 | C Total/NA |
| PCB-95 | 170 | | 75 | 38 | 11 | pg/L | 1 | 16680 | C Total/NA |
| PCB-99 | 33 | J | 75 | 38 | 11 | pg/L | 1 | 16680 | C Total/NA |
| Total Tetrachlorobiphenyls | 21 | JI | 75 | 28 | 8.5 | pg/L | 1 | 16680 | C Total/NA |
| Total Pentachlorobiphenyls | 660 | I | 75 | 19 | 6.6 | pg/L | 1 | 16680 | C Total/NA |
| Total Hexachlorobiphenyls | 3900 | I | 75 | 19 | 5.6 | pg/L | 1 | 16680 | C Total/NA |
| Total Heptachlorobiphenyls | 2400 | | 75 | 19 | 5.6 | pg/L | 1 | 16680 | C Total/NA |
| Total Octachlorobiphenyls | 450 | | 110 | 19 | 6.6 | pg/L | 1 | 16680 | C Total/NA |
| Total Nonachlorobiphenyls | 23 | J | 110 | 19 | 6.6 | pg/L | 1 | 16680 | C Total/NA |
| Polychlorinated biphenyls, Total | 7400 | I | 38 | 19 | 5.6 | pg/L | 1 | 16680 | C Total/NA |
| PCB-197/200 | 22 | J | 230 | 47 | 13 | pg/L | 1 | 16680 | C Total/NA |

Client Sample ID: MP-5

Lab Sample ID: 410-151123-5

| Analyte | Result | Qualifier | LOQ | LOD | DL | Unit | Dil Fac D | Method | Ргер Туре |
|-----------------|--------|-----------|-----|-----|-----|------|-----------|--------|-----------|
| 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 | | pg/L | 1 | 1668C | Total/NA |
| PCB-170 | 1900 | | 75 | 38 | | pg/L | 1 | 1668C | Total/NA |
| PCB-171/173 | 580 | | 150 | 47 | | pg/L | 1 | 1668C | Total/NA |
| PCB-172 | 370 | | 75 | 28 | | pg/L | 1 | 1668C | Total/NA |
| PCB-174 | 2200 | | 75 | 38 | | pg/L | 1 | 1668C | Total/NA |

This Detection Summary does not include radiochemical test results.

Client Sample ID: MP-5 (Continued)

| | | | | | | | | •••• | |
|------------------------------|------|-----------|------------|------------|-----|--------------|---------------------------------------|----------------|-----------|
| Analyte | | Qualifier | LOQ | LOD | | Unit | Dil Fac D | | Prep Type |
| PCB-175 | 84 | | 75 | 38 | 11 | pg/L | | 1668C | Total/NA |
| PCB-176 | 290 | | 75 | 19 | 5.6 | pg/L | 1 | 1668C | Total/NA |
| PCB-177 | 1200 | | 75 | 28 | 8.4 | | 1 | 1668C | Total/NA |
| PCB-178 | 530 | | 75 | 56 | 14 | 10 | 1 | 1668C | Total/NA |
| PCB-179 | 930 | | 75 | 28 | 8.4 | pg/L | 1 | 1668C | Total/NA |
| PCB-18/30 | 31 | J | 75 | 47 | 23 | pg/L | 1 | 1668C | Total/NA |
| PCB-180/193 | 4200 | | 150 | 66 | 18 | pg/L | 1 | 1668C | Total/NA |
| PCB-183/185 | 1500 | | 150 | 75 | 21 | pg/L | 1 | 1668C | Total/NA |
| PCB-187 | 2800 | | 75 | 38 | 10 | pg/L | 1 | 1668C | Total/NA |
| PCB-189 | 71 | JM | 75 | 38 | 14 | pg/L | 1 | 1668C | Total/NA |
| PCB-190 | 430 | | 75 | 38 | 15 | pg/L | 1 | 1668C | Total/NA |
| PCB-191 | 71 | J | 75 | 28 | 9.4 | pg/L | 1 | 1668C | Total/NA |
| PCB-194 | 970 | | 110 | 38 | 11 | pg/L | 1 | 1668C | Total/NA |
| PCB-195 | 440 | | 110 | 47 | 13 | pg/L | 1 | 1668C | Total/NA |
| PCB-196 | 560 | | 110 | 38 | 10 | pg/L | 1 | 1668C | Total/NA |
| PCB-198/199 | 1100 | | 230 | 47 | 17 | pg/L | 1 | 1668C | Total/NA |
| PCB-20/28 | 54 | J | 75 | 56 | 26 | pg/L | 1 | 1668C | Total/NA |
| PCB-201 | 130 | J | 380 | 180 | 46 | pg/L | 1 | 1668C | Total/NA |
| PCB-202 | 190 | | 110 | 28 | 8.4 | pg/L | 1 | 1668C | Total/NA |
| PCB-203 | 690 | | 110 | 47 | 12 | pg/L | 1 | 1668C | Total/NA |
| PCB-205 | 66 | J | 110 | 19 | 6.6 | pg/L | 1 | 1668C | Total/NA |
| PCB-206 | 260 | | 110 | 19 | 6.6 | pg/L | 1 | 1668C | Total/NA |
| PCB-207 | 34 | J | 110 | 38 | 9.4 | pg/L | 1 | 1668C | Total/NA |
| PCB-21/33 | 29 | J | 75 | 56 | 27 | pg/L | 1 | 1668C | Total/NA |
| PCB-22 | 19 | | 38 | 28 | 13 | | 1 | 1668C | Total/NA |
| PCB-31 | 49 | | 38 | 28 | 13 | pg/L | 1 | 1668C | Total/NA |
| PCB-32 | 23 | J | 38 | 19 | 7.5 | pg/L | 1 | 1668C | Total/NA |
| PCB-37 | 18 | | 38 | 19 | | pg/L | 1 | 1668C | Total/NA |
| PCB-40/71 | 32 | | 150 | 56 | 15 | | 1 | 1668C | Total/NA |
| PCB-42 | 17 | | 75 | 38 | 11 | | 1 | 1668C | Total/NA |
| PCB-44/47/65 | 190 | | 230 | 84 | 23 | | 1 | 1668C | Total/NA |
| PCB-48 | 12 | | 75 | 28 | 8.4 | pg/L | 1 | 1668C | Total/NA |
| PCB-49/69 | 69 | J | 150 | 66 | 17 | | 1 | 1668C | Total/NA |
| PCB-51 | 76 | | 75 | 47 | 12 | | 1 | 1668C | Total/NA |
| PCB-52 | 100 | | 75 | 38 | 11 | pg/L | 1 | 1668C | Total/NA |
| PCB-56 | 15 | .1 | 75 | 38 | 13 | | 1 | 1668C | Total/NA |
| PCB-58 | | JM | 75 | 38 | | pg/L | · · · · · · · · · · · · · · · · · · · | 1668C | Total/NA |
| PCB-60 | 8.5 | | 75 | 28 | | pg/L | 1 | 1668C | Total/NA |
| PCB-61/70/74/76 | 79 | | 300 | 110 | | pg/L | 1 | 1668C | Total/NA |
| PCB-64 | 31 | | 75 | 38 | | pg/L | · · · · · · · · · · · · · · · · · · · | 1668C | Total/NA |
| PCB-66 | 37 | | 75 | 38 | | | 1 | 1668C | Total/NA |
| PCB-8 | 24 | | 38 | 31 | | pg/L | 1 | 1668C | Total/NA |
| PCB-82 | 24 | | 75 | 38 | | pg/L pg/L | · · · · · · · · · · · · · · · · · · · | 1668C | Total/NA |
| PCB-83 | | JIM | 75 | 38 | | pg/L pg/L | 1 | 1668C | Total/NA |
| PCB-83 PCB-84 | 60 | | 75 | 56 | 23 | | 1 | 1668C | Total/NA |
| PCB-85/116/117 | | | | | | | | | Total/NA |
| | 43 | | 230 450 | 120 280 | | pg/L | 1 | 1668C 1668C | Total/NA |
| PCB-86/87/97/109/119/1 25 | 240 | JM | 400 | 200 | 140 | pg/L | 1 | 10000 | TOTAI/INA |
| PCB-90/101/113 | 1000 | | 230 | 110 | 38 | pg/L | 1 | 1668C | Total/NA |
| PCB-91 | 61 | J | 75 | 38 | | pg/L | · · · · · · · · · · · · · · · · · · · | 1668C | Total/NA |
| PCB-92 | 150 | J. | 75 | 38 | | pg/L | 1 | 1668C | Total/NA |
| | 150 | | 15 | 50 | 11 | P9′⊏ | I | 10000 | |

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

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1668C

1668C

1668C

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| 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 | I | 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 | 1 | 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 | | | 440 | 10 | | | | 40000 | T. 1. 1/N 1 A |
| Total | 290 | | 110 | 19 | 6.6 | pg/L | 1 | 1668C | Total/NA |
| Nonachlorobiphenyls | 46000 | 1 | 38 | 19 | 5.6 | ng/l | 1 | 1668C | Total/NA |
| Polychlorinated biphenyls, Total | 40000 | I | 30 | 19 | 5.0 | pg/L | I | 10000 | TOtal/INA |
| PCB-197/200 | 180 | .1 | 230 | 47 | 13 | pg/L | 1 | 1668C | Total/NA |
| | 100 | 0 | 200 | | 10 | P9/- | | 10000 | |
| Client Sample ID: F | ield Bla | nk | | | | | Lab San | nple ID: 4 | 10-151123-6 |
| Analyte | Result | Qualifier | LOQ | LOD | DL | Unit | Dil Fac D | Method | Prep Type |
| PCB-194 | 17 | | 110 | 38 | 11 | | | 1668C | Total/NA |
| PCB-198/199 | 17 | | 230 | 47 | 17 | 10 | 1 | 1668C | Total/NA |
| PCB-206 | | JMI | 110 | 19 | | pg/L | 1 | 1668C | Total/NA |
| | | | | 19 | 0.0 6.6 | | | 1668C | |
| Total | 34 | JI | 110 | 19 | 0.0 | pg/L | 1 | 10000 | Total/NA |
| Octachlorobiphenyls | | | | | | | | | |

19

19

6.6 pg/L

5.7 pg/L

biphenyls, Total

Polychlorinated

Nonachlorobiphenyls

Total

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

| | UM | 190 | 66 | 17 | | 10/17/00 00 15 | |
|------|---|--|---|---|--|---|---|
| 41 | | 100 | 00 | 17 | pg/L | 12/17/23 08:15 | |
| | U | 42 | 41 | 21 | pg/L | 12/17/23 08:15 | |
| 12 | J | 75 | 38 | 10 | pg/L | 12/17/23 08:15 | |
| 38 | U | 75 | 38 | 16 | pg/L | 12/17/23 08:15 | |
| 65 | J | 75 | 38 | 10 | pg/L | 12/17/23 08:15 | |
| 38 | U | 75 | 38 | 18 | pg/L | 12/17/23 08:15 | |
| 15 | J | 75 | 38 | 13 | pg/L | 12/17/23 08:15 | |
| 75 | U | 150 | 75 | 24 | pg/L | 12/17/23 08:15 | |
| 160 | J | 280 | 260 | 100 | pg/L | 12/17/23 08:15 | |
| 540 | | 150 | 94 | 24 | pg/L | 12/17/23 08:15 | |
| 38 | U | 75 | 38 | 12 | pg/L | 12/17/23 08:15 | |
| 38 | U | 75 | 38 | | | 12/17/23 08:15 | |
| 38 | U | | | | | 12/17/23 08:15 | |
| | | 75 | 38 | | | 12/17/23 08:15 | |
| | U | 75 | 66 | | | 12/17/23 08:15 | |
| | | 75 | 38 | | | 12/17/23 08:15 | |
| | | 75 | | | | 12/17/23 08:15 | |
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| | U | | | | | 12/17/23 08:15 | |
| 3500 | | 150 | 75 | | | 12/17/23 08:15 | |
| | | 190 | 94 | | | 12/17/23 08:15 | |
| 38 | U | 75 | 38 | | | 12/17/23 08:15 | |
| 170 | | 150 | 75 | 27 | pg/L | 12/17/23 08:15 | |
| | 38 15 75 160 540 38 38 38 38 38 220 66 38 38 38 66 66 66 19 190 3500 130 38 860 35 110 1700 440 38 860 35 110 1700 440 38 88 80 35 110 1700 440 38 88 80 35 110 1700 440 38 88 80 35 110 1700 440 38 88 88 80 35 110 1700 440 38 88 88 88 88 88 88 88 88 88 | 38 U 38 U 38 U 220 66 U 38 U 38 U 38 U 38 U 38 U 66 U 66 U 19 U 190 3500 130 35 U 860 35 J 110 1700 440 cn 38 U 860 35 J 110 1700 440 cn 38 U 810 28 U 38 U 38 U 810 28 U 38 U | 38 U 75 15 J 75 75 U 150 160 J 280 540 150 38 U 75 66 U 75 38 U 75 38 U 75 66 U 75 190 150 3500 3500 230 130 130 75 36 38 U 75 38 U 75 <td< td=""><td>38 U 75 38 15 J 75 38 75 U 150 75 160 J 280 260 540 150 94 38 U 75 38 38 U 75 38 38 U 75 38 38 U 75 38 20 75 38 210 75 38 220 75 38 38 U 75 38 39 J 75 38 36 J 75 38 37 J 75 38 38<td>38 U 75 38 18 15 J 75 38 13 75 U 150 75 24 160 J 280 260 100 540 150 94 24 38 U 75 38 12 38 U 75 38 17 220 75 38 16 66 U 75 38 13 38 U 75 38 13 38 U 75 38 13 38 U 75 38 11 360 75 38 10 27 3500 230 100 27 38 10 38 U 75 38 11 30 27 38 U 7</td><td>38 U 75 38 18 pg/L 15 J 75 38 13 pg/L 75 U 150 75 24 pg/L 160 J 280 260 100 pg/L 540 150 94 24 pg/L 38 U 75 38 12 pg/L 38 U 75 38 17 pg/L 38 U 75 38 11 pg/L 38 U 75 38 11 pg/L 38 U 75 38 11 pg/L 38 U 75 66 27 pg/L 190 150 66 17 pg/L 350 J 75 38 10 pg/L</td><td>38 U 75 38 18 pg/L 12/17/23 08:15 75 U 150 75 24 pg/L 12/17/23 08:15 60 J 280 260 100 pg/L 12/17/23 08:15 540 150 94 24 pg/L 12/17/23 08:15 38 U 75 38 12 pg/L 12/17/23 08:15 38 U 75 38 17 pg/L 12/17/23 08:15 38 U 75 38 17 pg/L 12/17/23 08:15 38 U 75 38 11 pg/L 12/17/23 08:15 38 U 75 38 11 pg/L 12/17/23 08:15 38 U 75 66 27 pg/L 12/17/23 08:15 38 U 75 66 27 pg/L 12/17/23 08:15 360 230 100 27 pg/L 12/17/23 08:15 360 230 100 27 pg/L 12/17/23 08:15</td></td></td<> | 38 U 75 38 15 J 75 38 75 U 150 75 160 J 280 260 540 150 94 38 U 75 38 38 U 75 38 38 U 75 38 38 U 75 38 20 75 38 210 75 38 220 75 38 38 U 75 38 39 J 75 38 36 J 75 38 37 J 75 38 38 <td>38 U 75 38 18 15 J 75 38 13 75 U 150 75 24 160 J 280 260 100 540 150 94 24 38 U 75 38 12 38 U 75 38 17 220 75 38 16 66 U 75 38 13 38 U 75 38 13 38 U 75 38 13 38 U 75 38 11 360 75 38 10 27 3500 230 100 27 38 10 38 U 75 38 11 30 27 38 U 7</td> <td>38 U 75 38 18 pg/L 15 J 75 38 13 pg/L 75 U 150 75 24 pg/L 160 J 280 260 100 pg/L 540 150 94 24 pg/L 38 U 75 38 12 pg/L 38 U 75 38 17 pg/L 38 U 75 38 11 pg/L 38 U 75 38 11 pg/L 38 U 75 38 11 pg/L 38 U 75 66 27 pg/L 190 150 66 17 pg/L 350 J 75 38 10 pg/L</td> <td>38 U 75 38 18 pg/L 12/17/23 08:15 75 U 150 75 24 pg/L 12/17/23 08:15 60 J 280 260 100 pg/L 12/17/23 08:15 540 150 94 24 pg/L 12/17/23 08:15 38 U 75 38 12 pg/L 12/17/23 08:15 38 U 75 38 17 pg/L 12/17/23 08:15 38 U 75 38 17 pg/L 12/17/23 08:15 38 U 75 38 11 pg/L 12/17/23 08:15 38 U 75 38 11 pg/L 12/17/23 08:15 38 U 75 66 27 pg/L 12/17/23 08:15 38 U 75 66 27 pg/L 12/17/23 08:15 360 230 100 27 pg/L 12/17/23 08:15 360 230 100 27 pg/L 12/17/23 08:15</td> | 38 U 75 38 18 15 J 75 38 13 75 U 150 75 24 160 J 280 260 100 540 150 94 24 38 U 75 38 12 38 U 75 38 17 220 75 38 16 66 U 75 38 13 38 U 75 38 13 38 U 75 38 13 38 U 75 38 11 360 75 38 10 27 3500 230 100 27 38 10 38 U 75 38 11 30 27 38 U 7 | 38 U 75 38 18 pg/L 15 J 75 38 13 pg/L 75 U 150 75 24 pg/L 160 J 280 260 100 pg/L 540 150 94 24 pg/L 38 U 75 38 12 pg/L 38 U 75 38 17 pg/L 38 U 75 38 11 pg/L 38 U 75 38 11 pg/L 38 U 75 38 11 pg/L 38 U 75 66 27 pg/L 190 150 66 17 pg/L 350 J 75 38 10 pg/L | 38 U 75 38 18 pg/L 12/17/23 08:15 75 U 150 75 24 pg/L 12/17/23 08:15 60 J 280 260 100 pg/L 12/17/23 08:15 540 150 94 24 pg/L 12/17/23 08:15 38 U 75 38 12 pg/L 12/17/23 08:15 38 U 75 38 17 pg/L 12/17/23 08:15 38 U 75 38 17 pg/L 12/17/23 08:15 38 U 75 38 11 pg/L 12/17/23 08:15 38 U 75 38 11 pg/L 12/17/23 08:15 38 U 75 66 27 pg/L 12/17/23 08:15 38 U 75 66 27 pg/L 12/17/23 08:15 360 230 100 27 pg/L 12/17/23 08:15 360 230 100 27 pg/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

| Analyte | Result | Qualifier | LOQ | LOD | DL | Unit | D | Analyzed | Dil Fac |
|-------------------------------------|------------------|-----------|-----------|-----------|-----|--------------|---|----------------------------------|-----------------|
| PCB-159 | 42 | | 75 | 47 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-16 | 15 | | 38 | 28 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-160 | 38 | | 75 | 38 | | pg/L | | 12/17/23 08:15 | |
| PCB-161 | 38 | | 75 | 38 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-162 | | U M | 75 | 28 | | pg/L | | 12/17/23 08:15 | 1 |
| °CB-164 | 270 | | 75 | 19 | | pg/L | | 12/17/23 08:15 | |
| PCB-165 | 38 | | 75 | 38 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-167 | 69 | | 75 | 38 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-169 | 38 | | 75 | 38 | | pg/L | | 12/17/23 08:15 | |
| PCB-103 | 19 | | 38 | 28 | | pg/L pg/L | | 12/17/23 08:15 | 1 |
| PCB-17 PCB-170 | 1500 | 3 | 50 75 | 38 | | | | 12/17/23 08:15 | 1 |
| | | | | 30 47 | | pg/L | | 12/17/23 08:15 | |
| PCB-171/173 | 440 | | 150 75 | 28 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-172 | 290 | | | | | pg/L | | | 1 |
| PCB-174 | 1600 | | 75 | 38 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-175 | 61 | J | 75 | 38 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-176 | 220 | | 75 | 19 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-177 | 880 | | 75 | 28 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-178 | 380 | | 75 | 56 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-179 | 690 | | 75 | 28 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-18/30 | 27 | J | 75 | 47 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-180/193 | 3200 | | 150 | 66 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-181 | 28 | | 75 | 28 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-182 | 38 | U | 75 | 38 | 10 | pg/L | | 12/17/23 08:15 | 1 |
| PCB-183/185 | 1100 | | 150 | 75 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-184 | 38 | U | 75 | 38 | | 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 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-195 | 330 | | 110 | 47 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-196 | 410 | | 110 | 38 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-198/199 | 840 | | 230 | 47 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-2 | | UМ | 190 | 47 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-20/28 | 42 | | 75 | 56 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-201 | 97 | | 380 | 180 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-202 | 140 | - | 110 | 28 | | pg/L | | 12/17/23 08:15 | 1 |
| °CB-203 | 510 | | 110 | 47 | | pg/L | | 12/17/23 08:15 | |
| PCB-204 | 38 | U | 110 | 38 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-205 | 50 51 | | 110 | 19 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-205 | 180 | • | 110 | 19 | | pg/L | | 12/17/23 08:15 | · · · · · · · 1 |
| PCB-200 | | | 110 | 38 | | | | 12/17/23 08:15 | 1 |
| PCB-208 | 22 100 | | 110 | 100 | | pg/L pg/L | | 12/17/23 08:15 | 1 |
| | | | | | | | | | |
| DCB Decachlorobiphenyl PCB-21/33 | 700 56 | | 940 75 | 700 56 | | pg/L pg/L | | 12/17/23 08:15 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 |

Matrix: Water

5

6

| Analyte | | Qualifier | | | | Unit | <u>D</u> | Analyzed | Dil Fac |
|----------------|----------|-----------|----------|-------------|-----|------|----------|----------------|-----------------|
| PCB-22 | 16 | | 38 | 28 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-23 | 28 | | 38 | 28 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-24 | 33 | | 38 | 33 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-25 | 28 | | 38 | 28 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-26/29 | 68 | | 75 | 68 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-27 | 23 | | 38 | 23 | | 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 | | 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 | pg/L | | 12/17/23 08:15 | 1 |
| PCB-36 | 28 | U | 38 | 28 | 13 | pg/L | | 12/17/23 08:15 | 1 |
| PCB-37 | 13 | J | 38 | 19 | 7.5 | pg/L | | 12/17/23 08:15 | 1 |
| PCB-38 | 33 | U | 38 | 33 | 16 | pg/L | | 12/17/23 08:15 | 1 |
| PCB-39 | 34 | U | 38 | 34 | 17 | pg/L | | 12/17/23 08:15 | 1 |
| PCB-4 | 41 | UM | 42 | 41 | 21 | pg/L | | 12/17/23 08:15 | 1 |
| PCB-40/71 | 28 | JM | 150 | 56 | 15 | pg/L | | 12/17/23 08:15 | 1 |
| PCB-41 | 38 | UM | 75 | 38 | 10 | | | 12/17/23 08:15 | 1 |
| PCB-42 | 19 | JIM | 75 | 38 | 11 | | | 12/17/23 08:15 | 1 |
| PCB-43 | 38 | UM | 75 | 38 | 10 | pg/L | | 12/17/23 08:15 | 1 |
| CB-44/47/65 | 150 | ЈМ | 230 | 84 | | pg/L | | 12/17/23 08:15 | 1 |
| 2CB-45 | | UM | 75 | 38 | | pg/L | | 12/17/23 08:15 | 1 |
| CB-46 | 38 | | 75 | 38 | | pg/L | | 12/17/23 08:15 | |
| CB-48 | 11 | | 75 | 28 | | pg/L | | 12/17/23 08:15 | 1 |
| °CB-49/69 | 56 | | 150 | <u>-</u> 66 | 17 | | | 12/17/23 08:15 | 1 |
| CB-5 | 38 | | 42 | 38 | | pg/L | | 12/17/23 08:15 | · · · · · · · 1 |
| PCB-50/53 | 190 | | 280 | 190 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-51 | 58 | | 75 | 47 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-52 | | J | 75 | 38 | 11 | | | 12/17/23 08:15 | |
| РСВ-54 | 86 38 | | 75 75 | 38 | | | | | |
| РСВ-55 | | | | | | pg/L | | 12/17/23 08:15 | 1 |
| | 38 | | 75 | 38 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-56 | 14 | | 75 | 38 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-57 | 38 | | 75 | 38 | 11 | | | 12/17/23 08:15 | 1 |
| PCB-58 | 15 | | 75 | 38 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-59/62/75 | | UM | 230 | 94 | | pg/L | | 12/17/23 08:15 | 1 |
| CB-6 | | UM | 38 | 34 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-60 | 8.4 | | 75 | 28 | | pg/L | | 12/17/23 08:15 | 1 |
| CB-61/70/74/76 | 65 | | 300 | 110 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-63 | 38 | U | 75 | 38 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-64 | 31 | JM | 75 | 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 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-77 | | UM | 75 | 38 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-78 | 38 | | 75 | 38 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-79 | 38 | | 75 | 38 | | 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

| Analyte | | Qualifier | _ <u>LOQ</u> _ | | | Unit | D | Analyzed | Dil Fac |
|---------------------------------|-------------|------------|----------------------|-----|-----|---------|---------|----------------|-----------------|
| PCB-8 | | JI | 38 | 31 | 15 | pg/L | | 12/17/23 08:15 | 1 |
| PCB-80 | | U | 75 | 38 | 9.4 | 10 | | 12/17/23 08:15 | 1 |
| PCB-81 | | U | 75 | 38 | 9.4 | | | 12/17/23 08:15 | 1 |
| CB-82 | | JI | 75 | 38 | | pg/L | | 12/17/23 08:15 | 1 |
| PCB-83 | | JIM | 75 | 38 | 14 | pg/L | | 12/17/23 08:15 | |
| PCB-84 | |) J | 75 | 56 | 23 | | | 12/17/23 08:15 | • • • • • • • • |
| PCB-85/116/117 | | J | 230 | 120 | | pg/L | | 12/17/23 08:15 | |
| PCB-86/87/97/109/119/125 | | JM | 450 | 280 | 140 | pg/L | | 12/17/23 08:15 | |
| CB-88 | | UM | 75 | 38 | | pg/L | | 12/17/23 08:15 | |
| CB-89 | | U | 75 | 38 | | pg/L | | 12/17/23 08:15 | |
| CB-9 | | U | 38 | 33 | 16 | 10 | | 12/17/23 08:15 | |
| PCB-90/101/113 | 890 | | 230 | 110 | | pg/L | | 12/17/23 08:15 | |
| CB-91 | | J | 75 | 38 | | pg/L | | 12/17/23 08:15 | |
| CB-92 | 130 | | 75 | 38 | 11 | pg/L | | 12/17/23 08:15 | |
| CB-93/100 | | J | 150 | 75 | | pg/L | | 12/17/23 08:15 | |
| CB-94 | 38 | U | 75 | 38 | 12 | pg/L | | 12/17/23 08:15 | |
| CB-95 | 560 | | 75 | 38 | 11 | 10 | | 12/17/23 08:15 | |
| CB-96 | 38 | UM | 75 | 38 | 17 | pg/L | | 12/17/23 08:15 | |
| CB-98/102 | 94 | UM | 190 | 94 | 27 | pg/L | | 12/17/23 08:15 | |
| СВ-99 | 110 | M | 75 | 38 | 11 | pg/L | | 12/17/23 08:15 | |
| otal Monochlorobiphenyls | 38 | U | 190 | 38 | 10 | pg/L | | 12/17/23 08:15 | |
| otal Dichlorobiphenyls | 180 | • | 38 | 30 | 15 | pg/L | | 12/17/23 08:15 | |
| otal Trichlorobiphenyls | 190 | 1 | 38 | 19 | 7.5 | pg/L | | 12/17/23 08:15 | |
| otal Tetrachlorobiphenyls | 570 | 1 | 75 | 28 | 8.4 | pg/L | | 12/17/23 08:15 | |
| otal Pentachlorobiphenyls | 3000 | | 75 | 19 | 6.6 | pg/L | | 12/17/23 08:15 | |
| otal Hexachlorobiphenyls | 16000 | 1 | 75 | 19 | 5.6 | pg/L | | 12/17/23 08:15 | |
| otal Heptachlorobiphenyls | 13000 | | 75 | 19 | 5.6 | pg/L | | 12/17/23 08:15 | |
| otal Octachlorobiphenyls | 3200 | | 110 | 19 | 6.6 | pg/L | | 12/17/23 08:15 | |
| otal Nonachlorobiphenyls | 200 | | 110 | 19 | | pg/L | | 12/17/23 08:15 | |
| olychlorinated biphenyls, Total | 36000 | 1 | 38 | 19 | | pg/L | | 12/17/23 08:15 | |
| CB-197/200 | 140 | J | 230 | 47 | 13 | pg/L | | 12/17/23 08:15 | |
| otope Dilution | %Recovery G | ualifier | Limits | | | Prep | ared | Analyzed | Dil Fa |
| CB-1L | 34 | · | 5 - 145 | | | | | 12/17/23 08:15 | |
| CB-104L | 45 | | 10 - 145 | | | 12/14/2 | 3 23:57 | 12/17/23 08:15 | |
| CB-105L | 57 | | 10 - 145 | | | | | 12/17/23 08:15 | |
| CB-114L | 55 | | 10 - 145 | | | 12/14/2 | 3 23:57 | 12/17/23 08:15 | |
| CB-118L | 51 | | 10 - 145 | | | | | 12/17/23 08:15 | |
| CB-123L | 54 | | 10 - 145 | | | | | 12/17/23 08:15 | |
| CB-126L | 54 | | 10_145 | | | | | 12/17/23 08:15 | |
| CB-127L | 53 | | 10 - 145 | | | | | 12/17/23 08:15 | |
| CB-155L | 60 | | 10 - 145 | | | | | 12/17/23 08:15 | |
| CB-156L/157L | 59 | | 10 - 145 | | | | | 12/17/23 08:15 | |
| CB-167L | 57 | | 10 - 145 | | | | | 12/17/23 08:15 | |
| CB-169L | 59 | | 10 - 145 10 - 145 | | | | | 12/17/23 08:15 | |
| CB-189L CB-180L | | | | | | | | 12/17/23 08:15 | |
| | 61 | | 10 - 145 10 - 145 | | | | | 12/17/23 08:15 | |
| CB-188L | 63 50 | | 10 - 145 10 - 145 | | | | | | |
| CB-189L | 59 | | 10-145 | | | | | 12/17/23 08:15 | |
| PCB-19L | 43 | | 5 - 145 | | | 12/14/2 | 5 23:57 | 12/17/23 08:15 | |

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

| Isotope Dilution | %Recovery | Qualifier Limits | Prepared Anal | lyzed | Dil Fac |
|------------------|-----------|------------------|------------------------|---------|---------|
| PCB-205L | 68 | 10 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-206L | 68 | 10 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-208L | 67 | 10 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-209L | 68 | 10 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-3L | 40 | 5 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-31L | 43 | 5 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-32L | 46 | 5 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-37L | 48 | 5 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-4L | 38 | 5 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-54L | 47 | 5 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-77L | 64 | 10 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-8L | 36 | 5 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-81L | 63 | 10 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-95L | 54 | 10 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-15L | 43 | 5 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-128L | 66 | 10 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-133L | 65 | 10 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-141L | 66 | 10 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-162L | 52 | 10 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-47L | 46 | 5 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-60L | 55 | 10 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-70L | 52 | 10 - 145 | 12/14/23 23:57 12/17/2 | 3 08:15 | 1 |
| PCB-85L | 65 | 10 - 145 | 12/14/23 23:57 12/17/2 | 3 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

| Analyte | Result | Qualifier | LOQ | 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 | | 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

| Analyte | | Qualifier | LOQ | LOD | DL | Unit | D Analyzed | Dil Fac |
|-------------------|-----------------|-----------|-----------|----------|-----|--------------|----------------|---------|
| PCB-127 | 20 | U | 80 | 20 | 7.0 | pg/L | 12/17/23 09:32 | 1 |
| PCB-128/166 | 70 | UM | 160 | 70 | | pg/L | 12/17/23 09:32 | 1 |
| 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 | | 80 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-132 | 27 | J | 80 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-133 | | UM | 80 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-134 | 40 | | 80 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-135/151 | | UM | 160 | 100 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-136 | | Ucn | 80 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-137 | | UM | 80 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-139/140 | 70 | | 160 | 70 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-14 | 40 | | 45 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-141 | 14 | | 80 | 20 | | pg/L | 12/17/23 09:32 | |
| PCB-142 | 30 | | 80 | 30 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-143 | | UM | 80 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-144 | | Ucn | 80 | 40 50 | | pg/L | 12/17/23 09:32 | |
| PCB-145 | 50 | | 80 | 50 50 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-146 | 11 | | 80 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-146 | 55 | | 160 | 40 80 | | pg/∟ pg/L | 12/17/23 09:32 | |
| PCB-147/149 | 55 40 | | 80 | 40 | | pg/∟ pg/L | 12/17/23 09:32 | 1 |
| PCB-140 | | UM | 80 45 | 40 40 | | pg/∟ pg/L | 12/17/23 09:32 | 1 |
| РСВ-15 РСВ-150 | 40 | | 45 80 | 40 40 | | pg/∟ pg/L | 12/17/23 09:32 | |
| СВ-150 РСВ-152 | 40 40 | | 80 80 | 40 40 | | pg/∟ pg/L | | 1 |
| | | | 80 160 | 40 80 | | pg/∟ pg/L | 12/17/23 09:32 | 1 |
| PCB-153/168 | <mark>63</mark> | | | | | | 12/17/23 09:32 | |
| PCB-154 | 100 40 | | 200 | 100 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-155 | | | 80 | 40 | 20 | pg/L | 12/17/23 09:32 | 1 |
| PCB-156/157 | | UM | 160 | 80 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-158 | 40 | | 80 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-159 | 50 | | 80 | 50 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-16 | 30 | | 40 | 30 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-160 | 40 | | 80 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-161 | 40 | | 80 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-162 | 30 | | 80 | 30 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-164 | 20 | | 80 | 20 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-165 | 40 | | 80 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-167 | 40 | | 80 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-169 | 40 | | 80 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-17 | 30 | | 40 | 30 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-170 | 17 | | 80 | 40 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-171/173 | 50 | | 160 | 50 | | pg/L | 12/17/23 09:32 | 1 |
| CB-172 | 30 | U | 80 | 30 | 9.0 | pg/L | 12/17/23 09:32 | 1 |
| PCB-174 | 22 | | 80 | 40 | | 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 | | pg/L | 12/17/23 09:32 | 1 |
| PCB-18/30 | | UM | 80 | 50 | | 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

| Analyte | Result | Qualifier | LOQ | LOD | DL | Unit | D | Analyzed | Dil Fac |
|------------------------|----------|-----------|----------|----------|-----|--------------|---|----------------------------------|---------------------------------------|
| PCB-180/193 | 46 | | 160 | 70 | 19 | pg/L | | 12/17/23 09:32 | 1 |
| PCB-181 | 30 | U | 80 | 30 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-182 | 40 | U | 80 | 40 | | 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 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-186 | 40 | U | 80 | 40 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-187 | 35 | | 80 | 40 | 11 | | | 12/17/23 09:32 | 1 |
| PCB-188 | 180 | | 200 | 180 | 47 | | | 12/17/23 09:32 | 1 |
| PCB-189 | | UM | 80 | 40 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-19 | 30 | | 40 | 30 | 11 | | | 12/17/23 09:32 | 1 |
| PCB-190 | 40 | | 80 | 40 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-191 | 30 | | 80 | 30 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-192 | 30 | | 80 | 30 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-194 | 22 | | 120 | 40 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-194 | 50 | | 120 | 40 50 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-195 | 40 | | 120 | | | | | 12/17/23 09:32 | |
| | | | | 40 | | pg/L | | | 1 |
| PCB-198/199 | 25 | | 240 | 50 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-2 | | UM | 200 | 50 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-20/28 | 60 | | 80 | 60 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-201 | 190 | | 400 | 190 | 49 | | | 12/17/23 09:32 | 1 |
| PCB-202 | | UM | 120 | 30 | | pg/L | | 12/17/23 09:32 | |
| PCB-203 | 50 | | 120 | 50 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-204 | 40 | | 120 | 40 | 10 | 10 | | 12/17/23 09:32 | 1 |
| PCB-205 | 20 | | 120 | 20 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-206 | 17 | JM | 120 | 20 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-207 | | UM | 120 | 40 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-208 | 110 | UM | 120 | 110 | 55 | pg/L | | 12/17/23 09:32 | 1 |
| OCB Decachlorobiphenyl | 750 | U | 1000 | 750 | 240 | pg/L | | 12/17/23 09:32 | 1 |
| PCB-21/33 | 60 | U | 80 | 60 | 29 | pg/L | | 12/17/23 09:32 | 1 |
| PCB-22 | 30 | U | 40 | 30 | 14 | pg/L | | 12/17/23 09:32 | 1 |
| PCB-23 | 30 | U | 40 | 30 | 15 | pg/L | | 12/17/23 09:32 | 1 |
| PCB-24 | 35 | U | 40 | 35 | 17 | pg/L | | 12/17/23 09:32 | 1 |
| PCB-25 | 30 | U | 40 | 30 | 13 | pg/L | | 12/17/23 09:32 | 1 |
| PCB-26/29 | 72 | U | 80 | 72 | 36 | pg/L | | 12/17/23 09:32 | 1 |
| PCB-27 | 25 | U | 40 | 25 | 11 | pg/L | | 12/17/23 09:32 | 1 |
| CB-3 | 40 | U | 200 | 40 | 11 | pg/L | | 12/17/23 09:32 | 1 |
| PCB-31 | 30 | | 40 | 30 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-32 | 20 | UM | 40 | 20 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-34 | 35 | | 40 | 35 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-35 | 39 | | 40 | 39 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-36 | 30 | | 40 | 30 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-37 | 20 | | 40 | 20 | | pg/L | | 12/17/23 09:32 | 1 |
| °CB-38 | 35 | | 40 | 35 | | pg/L | | 12/17/23 09:32 | · · · · · · · 1 |
| °CB-39 | 36 | | 40 40 | 36 | | pg/L | | 12/17/23 09:32 | 1 |
| 2CB-4 | | UM | 40 45 | 44 | | pg/L | | 12/17/23 09:32 | 1 |
| | | | | | | | | | · · · · · · · · · · · · · · · · · · · |
| PCB-40/71 | 60 | | 160 | 60 40 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-41 | 40 | | 80 | 40 | | pg/L | | 12/17/23 09:32 | 1 |
| PCB-42 PCB-43 | 40 40 | UM | 80 | 40 | | pg/L pg/L | | 12/17/23 09:32 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

| Analyte | Result | Qualifier | LOQ | LOD | nued) DL | Unit | D | Analyzed | Dil Fac |
|--------------------------|-----------------|-----------|-----------|-----------|-------------|--------------|---|----------------|---------|
| PCB-44/47/65 | 24 | | 240 | 90 | | pg/L | | 12/17/23 09:32 | |
| PCB-45 | | UМ | 80 | 40 | | pg/L | | 12/17/23 09:32 | |
| PCB-46 | 40 | | 80 | 40 | | pg/L | | 12/17/23 09:32 | , |
| 2CB-48 | 30 | | 80 | 30 | | pg/L | | 12/17/23 09:32 | |
| PCB-49/69 | 70 | | 160 | 70 | | pg/L | | 12/17/23 09:32 | |
| 2CB-5 | 40 | | 45 | 40 | | pg/L | | 12/17/23 09:32 | |
| PCB-50/53 | 200 | | 300 | 200 | | pg/L | | 12/17/23 09:32 | |
| PCB-51 | 50 | | 80 | 50 | | pg/L | | 12/17/23 09:32 | |
| PCB-52 | 21 | | 80 | 40 | | pg/L | | 12/17/23 09:32 | |
| СВ-52 РСВ-54 | 40 | | 80 | 40 | | pg/∟ pg/L | | 12/17/23 09:32 | |
| CB-55 | 40 | | 80 | 40 40 | | | | 12/17/23 09:32 | |
| PCB-56 | 40 40 | | | | 11 | | | | |
| PCB-57 | | | 80 | 40 | | pg/L | | 12/17/23 09:32 | |
| | 40 | | 80 | 40 | | pg/L | | 12/17/23 09:32 | |
| PCB-58 | 40 | | 80 | 40 | | pg/L | | 12/17/23 09:32 | |
| PCB-59/62/75 | | UM | 240 | 100 | | pg/L | | 12/17/23 09:32 | |
| PCB-6 | 36 | | 40 | 36 | | pg/L | | 12/17/23 09:32 | |
| PCB-60 | 30 | | 80 | 30 | | pg/L | | 12/17/23 09:32 | |
| PCB-61/70/74/76 | 120 | | 320 | 120 | | pg/L | | 12/17/23 09:32 | |
| PCB-63 | 40 | | 80 | 40 | | pg/L | | 12/17/23 09:32 | |
| PCB-64 | 40 | U | 80 | 40 | | pg/L | | 12/17/23 09:32 | |
| PCB-66 | 11 | | 80 | 40 | | pg/L | | 12/17/23 09:32 | |
| PCB-67 | 40 | | 80 | 40 | | pg/L | | 12/17/23 09:32 | |
| PCB-68 | | UM | 80 | 40 | 10 | pg/L | | 12/17/23 09:32 | |
| PCB-7 | 35 | | 40 | 35 | | pg/L | | 12/17/23 09:32 | |
| PCB-72 | 30 | U | 80 | 30 | | pg/L | | 12/17/23 09:32 | |
| PCB-73 | 40 | U | 80 | 40 | 11 | pg/L | | 12/17/23 09:32 | |
| PCB-77 | 40 | U | 80 | 40 | 19 | pg/L | | 12/17/23 09:32 | |
| PCB-78 | 40 | U | 80 | 40 | 15 | pg/L | | 12/17/23 09:32 | |
| PCB-79 | 40 | U | 80 | 40 | 10 | pg/L | | 12/17/23 09:32 | |
| PCB-8 | 33 | UM | 40 | 33 | 16 | pg/L | | 12/17/23 09:32 | |
| PCB-80 | 40 | U | 80 | 40 | 10 | pg/L | | 12/17/23 09:32 | |
| PCB-81 | 40 | U | 80 | 40 | 10 | pg/L | | 12/17/23 09:32 | |
| PCB-82 | 40 | U | 80 | 40 | 13 | pg/L | | 12/17/23 09:32 | |
| PCB-83 | 40 | U | 80 | 40 | 15 | pg/L | | 12/17/23 09:32 | |
| PCB-84 | 60 | U | 80 | 60 | | pg/L | | 12/17/23 09:32 | |
| PCB-85/116/117 | 130 | U | 240 | 130 | | pg/L | | 12/17/23 09:32 | |
| PCB-86/87/97/109/119/125 | | UM | 480 | 300 | | pg/L | | 12/17/23 09:32 | |
| PCB-88 | 40 | UM | 80 | 40 | | pg/L | | 12/17/23 09:32 | |
| PCB-89 | 40 | U | 80 | 40 | | pg/L | | 12/17/23 09:32 | |
| PCB-9 | 35 | | 40 | 35 | | pg/L | | 12/17/23 09:32 | |
| PCB-90/101/113 | 55 | | 240 | 120 | | pg/L | | 12/17/23 09:32 | |
| °CB-91 | 40 | | 80 | 40 | | pg/L | | 12/17/23 09:32 | |
| 2CB-92 | 40 | | 80 | 40 | | pg/L | | 12/17/23 09:32 | |
| PCB-93/100 | | UM | 160 | 80 | | pg/L | | 12/17/23 09:32 | |
| 2CB-94 | 40 | | 80 | 40 | | pg/L | | 12/17/23 09:32 | |
| °CB-95 | | JM | 80 | 40 | | pg/∟ pg/L | | 12/17/23 09:32 | |
| PCB-96 | 34 40 | | 80 | 40 | | pg/∟ pg/L | | 12/17/23 09:32 | |
| PCB-98/102 | | UM | | 40 100 | | | | 12/17/23 09:32 | |
| PCB-99 | 100 19 | | 200 80 | 40 | | pg/L pg/L | | 12/17/23 09:32 | |

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

| Analyte | | Qualifier | | 00 | 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 | I. | | 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 | UM | | 240 | 50 | 14 | pg/L | | 12/17/23 09:32 | 1 |
| sotope Dilution | %Recovery Qu | ualifier | Limits | | | | Pr | repared | Analyzed | Dil Fac |
| PCB-1L | 24 | | 5 - 145 | - | | | | • | 12/17/23 09:32 | 1 |
| PCB-104L | 58 | | 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-105L | 61 | | 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-114L | 60 | | 10 - 145 | | | | | | 12/17/23 09:32 | |
| PCB-118L | 57 | | 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-123L | 61 | | 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-126L | 56 | | 10 - 145 | | | | | | 12/17/23 09:32 | |
| PCB-127L | 55 | | 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-155L | 80 | | 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-156L/157L | 53 | | 10 - 145 | | | | | | 12/17/23 09:32 | |
| PCB-167L | 56 | | 10 - 145 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-169L | 51 | | 10 - 145 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-180L | 70 | | 10 - 145 | | | | | | 12/17/23 09:32 | |
| PCB-188L | 94 | | 10 - 145 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-189L | 64 | | 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-19L | 48 | | 5 - 145 | | | | | | 12/17/23 09:32 | |
| PCB-202L | 40 86 | | 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-205L | 78 | | 10 - 145 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-206L | 81 | | 10 - 145 10 - 145 | | | | | | 12/17/23 09:32 | |
| PCB-208L | 80 | | 10 - 145 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-209L | 80 | | 10 - 145 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| -CB-209L PCB-3L | 35 | | | | | | | | 12/17/23 09:32 | |
| | 35 55 | | 5-145 | | | | | | | 1 |
| PCB-31L | | | 5-145 5-145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-32L | 56 | | 5-145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-37L | 67 | | 5-145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-4L | 33 | | 5-145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-54L | 59 | | 5 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-77L | 75 | | 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-8L | 38 | | 5 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-81L | 77 | | 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-95L | 66 | | 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-15L | 54 | | 5 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-128L | 72 | | 10 - 145 | | | | | | 12/17/23 09:32 | 1 |
| PCB-133L | 74 | | 10 - 145 | | | | 12/14 | 4/23 23:57 | 12/17/23 09:32 | 1 |
| PCB-141L | 75 | | 10 - 145 | | | | 12/14 | 4/23 23:57 | 12/17/23 09:32 | 1 |
| PCB-162L | 53 | | 10 - 145 | | | | 12/14 | 4/23 23:57 | 12/17/23 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 - Chlorina | ated Biphenyl Conger | ners (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

| Analyte | Result | Qualifier | LOQ | LOD | | Unit | D | Analyzed | Dil Fac |
|-----------------|--------|-----------|-----|-----|-----|------|---|----------------|---------|
| PCB-1 | 66 | U | 190 | 66 | 17 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-10 | 41 | U | 42 | 41 | 21 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-103 | 37 | U | 75 | 37 | 10 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-104 | 37 | U | 75 | 37 | 16 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-105 | 46 | J | 75 | 37 | 10 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-106 | 37 | U | 75 | 37 | 18 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-107 | 37 | U | 75 | 37 | 13 | pg/L | | 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 | UМ | 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 | | 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 | | 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 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-143 | 37 | UM | 75 | 37 | 10 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-144 | 47 | U M cn | 75 | 47 | 20 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-145 | 47 | U | 75 | 47 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-146 | 35 | J | 75 | 37 | 9.4 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-147/149 | 190 | | 150 | 75 | | pg/L | | 12/17/23 10:49 | 1 |

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

| Analyte | Result | Congeners Qualifier | LOQ | LOD | | Unit | D | Analyzed | Dil Fac |
|------------------------|-----------|------------------------|-----------|----------|-----|--------------|---|----------------|---------------------------------------|
| PCB-148 | 37 | | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-15 | | UM | 42 | 37 | | pg/L pg/L | | 12/17/23 10:49 | 1 |
| PCB-150 | 37 | | 75 | 37 | | pg/∟ pg/L | | 12/17/23 10:49 | 1 |
| PCB-152 | 37 | | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-152 PCB-153/168 | 230 | 5 | 150 | 75 | | pg/∟ pg/L | | 12/17/23 10:49 | 1 |
| PCB-153/168 PCB-154 | | UM | 190 | 73 94 | | pg/∟ pg/L | | 12/17/23 10:49 | |
| PCB-154 PCB-155 | | UM | 75 | 94 37 | | pg/∟ pg/L | | 12/17/23 10:49 | 1 |
| PCB-155 PCB-156/157 | 57 75 | | 75 150 | 37 75 | | pg/∟ pg/L | | 12/17/23 10:49 | 1 |
| | | | | | | | | 12/17/23 10:49 | ا ۲ |
| PCB-158 PCB-159 | 26 | | 75 75 | 37 47 | | pg/L | | | 1 |
| | | UM | 75 | | | pg/L | | 12/17/23 10:49 | |
| PCB-16 | 28 | | 37 | 28 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-160 | 37 | | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-161 | 37 | | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-162 | | UM | 75 | 28 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-164 | 20 | | 75 | 19 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-165 | 37 | | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-167 | 37 | | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-169 | 37 | | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-17 | | UM | 37 | 28 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-170 | 68 | J | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-171/173 | 23 | J | 150 | 47 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-172 | 16 | J | 75 | 28 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-174 | 86 | | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-175 | 37 | U | 75 | 37 | 11 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-176 | 12 | J | 75 | 19 | 5.6 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-177 | 44 | J | 75 | 28 | 8.4 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-178 | 24 | J | 75 | 56 | 14 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-179 | 37 | J | 75 | 28 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-18/30 | 47 | UM | 75 | 47 | 22 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-180/193 | 160 | | 150 | 66 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-181 | 28 | U | 75 | 28 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-182 | 37 | U | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-183/185 | 61 | J | 150 | 75 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-184 | 37 | | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-186 | 37 | | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-187 | 130 | | 75 | 37 | | pg/L | | 12/17/23 10:49 | · · · · · · · · · · · · · · · · · · · |
| PCB-188 | 170 | U | 190 | 170 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-189 | | UM | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-19 | 28 | | 37 | 28 | | pg/L | | 12/17/23 10:49 | · · · · · · 1 |
| PCB-190 | 15 | | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-191 | 28 | | 75 | 28 | | pg/∟ pg/L | | 12/17/23 10:49 | 1 |
| PCB-191 | 28 | | 75 | 28 | | | | 12/17/23 10:49 | |
| | | | | | | pg/L | | | |
| PCB-194 | 51 | | 110 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-195 | | JM | 110 | 47 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-196 | 30 | | 110 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-198/199 | 73 | | 220 | 47 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-2 | 47 | | 190 | 47 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-20/28 | 56 | U | 75 | 56 | 26 | 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 - Chlor Analyte | Result | Qualifier | LOQ | LOD | DL | Unit | D | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|-----|-----|-----|------|---|----------------|---------|
| PCB-202 | | JIM | 110 | 28 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-203 | 35 | | 110 | 47 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-204 | 37 | | 110 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-205 | 19 | | 110 | 19 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-206 | | JM | 110 | 19 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-207 | | UM | 110 | 37 | | 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 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-25 | 28 | U | 37 | 28 | 12 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-26/29 | 67 | U | 75 | 67 | 34 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-27 | 23 | U | 37 | 23 | 10 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-3 | 37 | U | 190 | 37 | 10 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-31 | 19 | J | 37 | 28 | 13 | pg/L | | 12/17/23 10:49 | 1 |
| PCB-32 | 19 | U | 37 | 19 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-34 | 33 | U | 37 | 33 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-35 | 37 | UM | 37 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-36 | 28 | | 37 | 28 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-37 | 12 | | 37 | 19 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-38 | 33 | | 37 | 33 | | pg/L | | 12/17/23 10:49 | |
| PCB-39 | 34 | | 37 | 34 | 17 | | | 12/17/23 10:49 | 1 |
| PCB-4 | | UM | 42 | 41 | 21 | | | 12/17/23 10:49 | 1 |
| PCB-40/71 | 56 | | 150 | 56 | | pg/L | | 12/17/23 10:49 | |
| PCB-41 | | UM | 75 | 37 | 10 | | | 12/17/23 10:49 | 1 |
| PCB-42 | | UM | 75 | 37 | 10 | | | 12/17/23 10:49 | 1 |
| PCB-42 | 37 | | 75 | 37 | | | | 12/17/23 10:49 | |
| | | | 220 | 84 | | pg/L | | | 1 |
| PCB-44/47/65 | 40 | | | | | pg/L | | 12/17/23 10:49 | |
| PCB-45 | | UM | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-46 | 37 | | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-48 | 28 | | 75 | 28 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-49/69 | 66 | | 150 | 66 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-5 | 37 | | 42 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-50/53 | | UM | 280 | 190 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-51 | | UM | 75 | 47 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-52 | 56 | | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-54 | 37 | | 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 | UМ | 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 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-61/70/74/76 | 66 | | 300 | 110 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-63 | 37 | | 75 | 37 | | pg/L | | 12/17/23 10:49 | 1 |
| PCB-64 | 13 | | 75 | 37 | | 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

| 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 | |
| PCB-67 | 37 | U | 75 | 37 | 10 | pg/L | 12/17/23 10:49 | |
| PCB-68 | 37 | U | 75 | 37 | 9.4 | pg/L | 12/17/23 10:49 | |
| PCB-7 | 33 | U | 37 | 33 | 15 | pg/L | 12/17/23 10:49 | |
| PCB-72 | 28 | U | 75 | 28 | 8.4 | pg/L | 12/17/23 10:49 | |
| PCB-73 | 37 | U | 75 | 37 | 10 | pg/L | 12/17/23 10:49 | |
| PCB-77 | 37 | U | 75 | 37 | 18 | pg/L | 12/17/23 10:49 | |
| PCB-78 | 37 | U | 75 | 37 | 14 | pg/L | 12/17/23 10:49 | |
| PCB-79 | 37 | U | 75 | 37 | 9.4 | pg/L | 12/17/23 10:49 | |
| PCB-8 | 31 | U | 37 | 31 | 15 | pg/L | 12/17/23 10:49 | |
| PCB-80 | 37 | U | 75 | 37 | | pg/L | 12/17/23 10:49 | |
| PCB-81 | 37 | U | 75 | 37 | | pg/L | 12/17/23 10:49 | |
| PCB-82 | 16 | J | 75 | 37 | | pg/L | 12/17/23 10:49 | |
| PCB-83 | 37 | | 75 | 37 | | pg/L | 12/17/23 10:49 | |
| PCB-84 | 37 | | 75 | 56 | | pg/L | 12/17/23 10:49 | |
| PCB-85/116/117 | 120 | | 220 | 120 | | pg/L | 12/17/23 10:49 | |
| PCB-86/87/97/109/119/125 | 280 | | 450 | 280 | | pg/L | 12/17/23 10:49 | |
| PCB-88 | 37 | | 75 | 37 | | pg/L | 12/17/23 10:49 | |
| 2CB-89 | 37 | | 75 | 37 | | pg/L | 12/17/23 10:49 | |
| 2CB-9 | 33 | | 37 | 33 | | pg/L | 12/17/23 10:49 | |
| PCB-90/101/113 | 150 | | 220 | 110 | | pg/L | 12/17/23 10:49 | |
| PCB-91 | 130 | | 75 | 37 | | pg/L | 12/17/23 10:49 | |
| PCB-92 | 24 | | 75 | 37 | 11 | pg/L | 12/17/23 10:49 | |
| PCB-93/100 | | U M | 150 | 75 | | pg/L | 12/17/23 10:49 | |
| 2CB-94 | 37 | | 75 | 37 | | pg/L | 12/17/23 10:49 | |
| PCB-95 | 99 | 0 | 75 | 37 | 11 | | 12/17/23 10:49 | |
| PCB-96 | 37 | II M | 75 | 37 | | pg/L | 12/17/23 10:49 | |
| PCB-98/102 | 94 | | 190 | 94 | | | 12/17/23 10:49 | |
| | | | 75 | 94 37 | | pg/L | 12/17/23 10:49 | |
| PCB-99 Total Monochlorobiphenyls | 48 37 | | 190 | 37 | 11 10 | pg/L pg/L | 12/17/23 10:49 | |
| otal Dichlorobiphenyls | | | | | | | 12/17/23 10:49 | |
| · · · · | 450 | | 37 | 30 | 15 | pg/L | | |
| fotal Trichlorobiphenyls | 31 | | 37 | 19 | 7.5 | pg/L | 12/17/23 10:49 | |
| otal Tetrachlorobiphenyls | 220 | | 75 | 28 | | pg/L | 12/17/23 10:49 | |
| Total Pentachlorobiphenyls | 720 | | 75 | 19 | | pg/L | 12/17/23 10:49 | |
| fotal Hexachlorobiphenyls | 1100 | | 75 | 19 | | pg/L | 12/17/23 10:49 | |
| otal Heptachlorobiphenyls | 680 | | 75 | 19 | | pg/L | 12/17/23 10:49 | |
| otal Octachlorobiphenyls | 210 | | 110 | 19 | | pg/L | 12/17/23 10:49 | |
| otal Nonachlorobiphenyls | 35 | | 110 | 19 | | pg/L | 12/17/23 10:49 | |
| Polychlorinated biphenyls, Total | 3500 | | 37 | 19 | | pg/L | 12/17/23 10:49 | |
| PCB-197/200 | 47 | UM | 220 | 47 | 13 | pg/L | 12/17/23 10:49 | |
| sotope Dilution | %Recovery Qu | alifier | Limits | | | Prepared | Analyzed | Dil Fa |
| PCB-1L | 40 | | 5 - 145 | | | 12/14/23 23:57 | 12/17/23 10:49 | |
| PCB-104L | 61 | | 10 - 145 | | | 12/14/23 23:57 | 12/17/23 10:49 | |
| PCB-105L | 70 | | 10 - 145 | | | 12/14/23 23:57 | 12/17/23 10:49 | |
| PCB-114L | 67 | | 10_145 | | | 12/14/23 23:57 | 12/17/23 10:49 | |
| PCB-118L | 63 | | 10 - 145 | | | 12/14/23 23:57 | 12/17/23 10:49 | |
| PCB-123L | 67 | | 10 - 145 | | | 12/14/23 23:57 | 12/17/23 10:49 | |
| PCB-126L | 62 | | 10_145 | | | | 12/17/23 10:49 | |
| PCB-127L | 63 | | 10 - 145 | | | | 12/17/23 10:49 | |

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

| Isotope Dilution | %Recovery Qualifier | Limits | Prepared Analyzed | Dil Fac |
|------------------|---------------------|----------|------------------------------|---------|
| PCB-155L | 77 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-156L/157L | 53 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-167L | 57 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-169L | 53 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-180L | 76 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-188L | 98 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-189L | 65 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-19L | 63 | 5 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-202L | 88 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-205L | 72 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-206L | 70 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-208L | 69 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-209L | 57 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-3L | 50 | 5 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-31L | 66 | 5 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-32L | 68 | 5 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-37L | 75 | 5 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-4L | 51 | 5 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-54L | 68 | 5 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-77L | 86 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-8L | 50 | 5 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-81L | 87 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-95L | 69 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-15L | 64 | 5 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-128L | 74 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-133L | 75 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-141L | 74 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-162L | 56 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-47L | 68 | 5 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-60L | 79 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-70L | 72 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 1 |
| PCB-85L | 83 | 10 - 145 | 12/14/23 23:57 12/17/23 10:4 | 9 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 | 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

| Analyte | | Qualifier | LOQ | LOD | | Unit | D Analyzed | Dil Fac |
|------------------------|------------------|-----------|-----------|----------|-----|--------------|----------------------------------|---------|
| PCB-112 | 38 | | 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 |
| 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 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-122 | 38 | U | 75 | 38 | 11 | pg/L | 12/17/23 12:06 | 1 |
| PCB-123 | 66 | U | 75 | 66 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-126 | 66 | U | 75 | 66 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-127 | 19 | U | 75 | 19 | 6.6 | pg/L | 12/17/23 12:06 | 1 |
| PCB-128/166 | 42 | J | 150 | 66 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-129/138/163 | 860 | | 230 | 100 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-130 | 33 | J | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-131 | 38 | | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-132 | 210 | | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-133 | 15 | J | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-134 | 25 | | 75 | 38 | | pg/L | 12/17/23 12:06 | |
| PCB-135/151 | 410 | - | 150 | 94 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-136 | 110 | cn | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-137 | 38 | | 75 | 38 | | pg/L | 12/17/23 12:06 | |
| PCB-139/140 | 66 | | 150 | 66 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-14 | 38 | | 42 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| °CB-141 | 170 | • | 75 | 19 | | pg/L | 12/17/23 12:00 | |
| PCB-141 | 28 | П | 75 75 | 28 | | pg/L pg/L | 12/17/23 12:06 | 1 |
| PCB-142 | | UM | 75 | 20 38 | | pg/∟ pg/L | 12/17/23 12:06 | 1 |
| PCB-143 | | J cn | 75 | 30 47 | | pg/L | 12/17/23 12:06 | |
| PCB-144 PCB-145 | 42 47 | | 75 75 | 47 47 | | pg/L pg/L | 12/17/23 12:06 | 1 |
| PCB-145 | 47 150 | 0 | 75 75 | 47 38 | | pg/∟ pg/L | 12/17/23 12:06 | 1 |
| | | | | 30 75 | | pg/L | 12/17/23 12:06 | |
| PCB-147/149 PCB-148 | 700 38 | | 150 75 | 75 38 | | | 12/17/23 12:06 | 1 |
| PCB-148 | | | | | | pg/L | | |
| | | UM | 42 | 38 | | pg/L | 12/17/23 12:06 12/17/23 12:06 | 1 |
| PCB-150 | 38 | | 75 75 | 38 | | pg/L | | 1 |
| PCB-152 | 38 | U | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-153/168 | 930 | | 150 | 75 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-154 | 94 | | 190 | 94 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-155 | 38 | | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-156/157 | 40 | | 150 | 75 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-158 | 56 | | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-159 | 47 | | 75 | 47 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-16 | 28 | | 38 | 28 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-160 | 38 | | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-161 | 38 | | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-162 | | UM | 75 | 28 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-164 | 70 | | 75 | 19 | 6.6 | pg/L | 12/17/23 12:06 | 1 |
| PCB-165 | 38 | U | 75 | 38 | 9.4 | pg/L | 12/17/23 12:06 | 1 |
| PCB-167 | 19 | J | 75 | 38 | 10 | pg/L | 12/17/23 12:06 | 1 |
| PCB-169 | 38 | U | 75 | 38 | 17 | pg/L | 12/17/23 12:06 | 1 |
| PCB-17 | 28 | UM | 38 | 28 | 10 | pg/L | 12/17/23 12:06 | 1 |
| PCB-170 | 230 | | 75 | 38 | | 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 | D Analyzed | Dil Fac |
|--------------------------|------------------|-----------|----------|-----|-----------------------|--|---------|
| PCB-171/173 | 85 J | 150 | 47 | | pg/L | $\frac{1}{12/17/23}$ $\frac{12:06}{12:06}$ | 1 |
| PCB-172 | 50 J | 75 | 28 | | pg/L | 12/17/23 12:06 | |
| PCB-174 | 290 | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-175 | 13 J | 75 | 38 | | pg/L | 12/17/23 12:06 | |
| PCB-176 | 43 J | 75 | 19 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-176 PCB-177 | 43 J 170 | 75 | 28 | | pg/L | 12/17/23 12:00 | 1 |
| PCB-178 | 81 | 75 | 56 | | pg/L | 12/17/23 12:06 | |
| PCB-170 PCB-179 | 130 | 75 | 28 | | pg/L pg/L | 12/17/23 12:06 | 1 |
| PCB-179 PCB-18/30 | 47 U | 75 | 20 47 | | pg/L pg/L | 12/17/23 12:06 | 1 |
| PCB-18/30 PCB-180/193 | 47 U 590 | 75 150 | 47 66 | | pg/L pg/L | 12/17/23 12:06 | |
| PCB-180/193 PCB-181 | 28 U | 75 | 28 | | pg/L pg/L | 12/17/23 12:06 | 1 |
| PCB-181 PCB-182 | 28 U 38 U | 75 75 | 28 38 | | pg/L pg/L | 12/17/23 12:06 | 1 |
| | | | | | · · · · · · · · · · · | | |
| PCB-183/185 | 200 | 150 | 75 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-184 | 38 U | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-186 | 38 U | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-187 | 430 | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-188 | 170 U | 190 | 170 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-189 | 38 U M | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-19 | 28 U | 38 | 28 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-190 | 49 J | 75 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-191 | 11 J | 75 | 28 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-192 | 28 U | 75 | 28 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-194 | 100 J | 110 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-195 | 45 J | 110 | 47 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-196 | 65 J | 110 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-198/199 | 120 J | 230 | 47 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-2 | 47 U M | 190 | 47 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-20/28 | 56 U | 75 | 56 | | 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 J M | 110 | 19 | 6.6 | pg/L | 12/17/23 12:06 | 1 |
| PCB-207 | 38 U M | 110 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-208 | 100 U M | 110 | 100 | | pg/L | 12/17/23 12:06 | 1 |
| DCB Decachlorobiphenyl | 710 U M | 940 | 710 | 230 | | 12/17/23 12:06 | 1 |
| PCB-21/33 | 56 U | 75 | 56 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-22 | 28 U M | 38 | 28 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-23 | 28 U | 38 | 28 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-24 | 33 U | 38 | 33 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-25 | 28 U M | 38 | 28 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-26/29 | 68 U | 75 | 68 | | pg/L | 12/17/23 12:06 | |
| PCB-27 | 24 UM | 38 | 24 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-3 | 38 U M | 190 | 38 | | pg/L | 12/17/23 12:06 | 1 |
| PCB-31 | 28 U | 38 | 28 | | | 12/17/23 12:00 | |
| PCB-32 | 28 U 19 U | 30 38 | | | pg/L | | 1 |
| | | | 19 | | pg/L | 12/17/23 12:06 | ا م |
| PCB-34 PCB-35 | 33 U 37 UM | 38 38 | 33 37 | | pg/L pg/L | 12/17/23 12:06 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 | | Qualifier | LOQ | LOD | DL | Unit | D | Analyzed | Dil Fac |
|--------------------------|-----|-----------|-----------|-----|-----|--------------|---|----------------|-------------------|
| PCB-36 | 28 | | 38 | 28 | 13 | pg/L | | 12/17/23 12:06 | 1 |
| PCB-37 | 19 | | 38 | 19 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-38 | 33 | | 38 | 33 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-39 | 34 | | 38 | 34 | 17 | pg/L | | 12/17/23 12:06 | 1 |
| PCB-4 | 41 | | 42 | 41 | 21 | pg/L | | 12/17/23 12:06 | 1 |
| PCB-40/71 | | UM | 150 | 56 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-41 | | UM | 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-42 | 38 | | 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-43 | 38 | | 75 | 38 | | pg/L | | 12/17/23 12:06 | |
| PCB-44/47/65 | | UМ | 230 | 85 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-45 | 38 | | 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-46 | 38 | | 75 75 | 38 | 10 | pg/L | | 12/17/23 12:06 | |
| PCB-48 | 28 | | 75 | 28 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-49/69 | 66 | | 150 | 66 | | pg/L | | 12/17/23 12:00 | 1 |
| PCB-5 | 38 | | 42 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-50/53 | 190 | | 280 | | | pg/L | | 12/17/23 12:00 | 1 |
| PCB-50/55 PCB-51 | | UM | 280 75 | 47 | | pg/L pg/L | | 12/17/23 12:06 | 1 |
| PCB-51 | | | 75 75 | | | | | 12/17/23 12:06 | · · · · · · · · · |
| | 21 | | | 38 | | pg/L | | | 1 |
| PCB-54 | 38 | | 75 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-55 | 38 | | 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-56 | | UM | 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-57 | 38 | | 75 | 38 | 11 | 10 | | 12/17/23 12:06 | 1 |
| PCB-58 | 38 | | 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-59/62/75 | | UM | 230 | 94 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-6 | 34 | | 38 | 34 | 17 | pg/L | | 12/17/23 12:06 | 1 |
| PCB-60 | 28 | | 75 | 28 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-61/70/74/76 | | UM | 300 | 110 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-63 | 38 | | 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-64 | | UM | 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-66 | 38 | | 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-67 | 38 | | 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-68 | 38 | U | 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-7 | 33 | | 38 | 33 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-72 | 28 | UM | 75 | 28 | 8.5 | pg/L | | 12/17/23 12:06 | 1 |
| PCB-73 | 38 | U | 75 | 38 | 10 | pg/L | | 12/17/23 12:06 | 1 |
| 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 | 75 | 38 | 9.4 | pg/L | | 12/17/23 12:06 | 1 |
| PCB-8 | 31 | U | 38 | 31 | 15 | pg/L | | 12/17/23 12:06 | 1 |
| PCB-80 | 38 | U | 75 | 38 | 9.4 | pg/L | | 12/17/23 12:06 | 1 |
| PCB-81 | 38 | U | 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-82 | 38 | | 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-83 | 38 | | 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-84 | 56 | | 75 | 56 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-85/116/117 | 120 | | 230 | 120 | | pg/L | | 12/17/23 12:06 | |
| PCB-86/87/97/109/119/125 | | UM | 450 | 280 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-88 | | UM | 75 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-89 | 38 | | 75 | 38 | | pg/L | | 12/17/23 12:06 | |
| PCB-9 | 33 | | 38 | 33 | | 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 | | Qualifier | LOC | | | | | D | Analyzed | Dil Fac |
|----------------------------------|------------------|-----------|----------------------|----------|-----|-----|---------------|----|----------------------------------|---------|
| PCB-90/101/113 | 260 | | 230 | <u>ן</u> | 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 |
| PCB-92 | 41 | | 75 | | 38 | | 10 | | 12/17/23 12:06 | 1 |
| PCB-93/100 | | UM | 150 | | 75 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-94 | 38 | U | 75 | 5 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-95 | 170 | | 75 | | 38 | | | | 12/17/23 12:06 | 1 |
| PCB-96 | 38 | U | 75 | | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-98/102 | 94 | U | 190 |) | 94 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-99 | 33 | J | 75 | 5 | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| Total Monochlorobiphenyls | 38 | | 190 |) | 38 | | pg/L | | 12/17/23 12:06 | 1 |
| Total Dichlorobiphenyls | 30 | U | 38 | 3 | 30 | 15 | pg/L | | 12/17/23 12:06 | 1 |
| Total Trichlorobiphenyls | 19 | | 38 | | 19 | 7.5 | pg/L | | 12/17/23 12:06 | 1 |
| Total Tetrachlorobiphenyls | 21 | JI | 75 | | 28 | | pg/L | | 12/17/23 12:06 | 1 |
| Total Pentachlorobiphenyls | 660 | | 75 | | 19 | | pg/L | | 12/17/23 12:06 | 1 |
| Total Hexachlorobiphenyls | 3900 | | 75 | | 19 | | | | 12/17/23 12:06 | 1 |
| Total Heptachlorobiphenyls | 2400 | | 75 | 5 | 19 | | 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 | | pg/L | | 12/17/23 12:06 | 1 |
| Polychlorinated biphenyls, Total | 7400 | | 38 | | 19 | | pg/L | | 12/17/23 12:06 | 1 |
| PCB-197/200 | 22 | | 230 | | 47 | | pg/L | | 12/17/23 12:06 | 1 |
| Isotope Dilution | %Recovery Qu | | Limits | | | | Prepared | | Analyzed | Dil Fac |
| PCB-1L | 30 | | 5 - 145 | | | | | 57 | 12/17/23 12:06 | 1 |
| PCB-104L | 58 | | 10 - 145 | | | | | | 12/17/23 12:00 | 1 |
| PCB-104L PCB-105L | 58 71 | | 10 - 145 10 - 145 | | | | | | 12/17/23 12:00 | 1 |
| PCB-105L PCB-114L | 69 | | 10 - 145 10 - 145 | | | | | | 12/17/23 12:06 | |
| PCB-114L PCB-118L | 64 | | 10 - 145 10 - 145 | | | | | | 12/17/23 12:06 | 1 |
| PCB-118L PCB-123L | 68 | | 10 - 145 10 - 145 | | | | | | 12/17/23 12:00 | 1 |
| PCB-125L PCB-126L | 67 | | 10 - 145 10 - 145 | | | | | | 12/17/23 12:06 | 1 |
| PCB-120L PCB-127L | 65 | | 10 - 145 10 - 145 | | | | | | 12/17/23 12:06 | 1 |
| PCB-127L PCB-155L | 78 | | 10 - 145 10 - 145 | | | | | | 12/17/23 12:06 | 1 |
| PCB-155L PCB-156L/157L | 67 | | 10 - 145 10 - 145 | | | | | | 12/17/23 12:06 | 1 |
| PCB-156L/157L PCB-167L | 67 70 | | 10 - 145 10 - 145 | | | | | | 12/17/23 12:06 | 1 |
| PCB-169L | 56 | | 10 - 145 10 - 145 | | | | | | 12/17/23 12:06 | 1 |
| PCB-169L PCB-180L | 50 88 | | 10 - 145 10 - 145 | | | | | | 12/17/23 12:06 | |
| PCB-180L PCB-188L | 88 98 | | 10 - 145 10 - 145 | | | | | | 12/17/23 12:06 | 1 |
| PCB-188L PCB-189L | 98 78 | | 10 - 145 10 - 145 | | | | | | 12/17/23 12:06 | 1 |
| PCB-189L PCB-19L | 78 44 | | 10 - 145 5 - 145 | | | | | | 12/17/23 12:06 | 1 |
| PCB-19L PCB-202L | 44 94 | | 5 - 145 10 - 145 | | | | | | 12/17/23 12:06 12/17/23 12:06 | 1 1 |
| | | | | | | | | | | 1 |
| PCB-205L PCB-206L | 89 93 | | 10 - 145 10 - 145 | | | | | | 12/17/23 12:06 12/17/23 12:06 | 1 |
| | 93 93 | | 10 - 145 10 - 145 | | | | | | | |
| PCB-208L PCB-2001 | 93 94 | | 10-145 10-145 | | | | | | 12/17/23 12:06 12/17/23 12:06 | 1 |
| PCB-209L PCB-31 | 94 38 | | 10 - 145 5 145 | | | | | | 12/17/23 12:06 12/17/23 12:06 | 1 |
| PCB-3L | 38 50 | | 5-145 5-145 | | | | | | 12/17/23 12:06 | 1 |
| PCB-31L | 50 51 | | 5-145 5-145 | | | | | | 12/17/23 12:06 | 1 |
| PCB-32L | 51 | | 5-145 | | | | | | 12/17/23 12:06 | 1 |
| PCB-37L | 64 | | 5-145 | | | | | | 12/17/23 12:06 | 1 |
| PCB-4L | 35 | | 5-145 | | | | | | 12/17/23 12:06 | 1 |
| PCB-54L PCB-77L | 55 | | 5 - 145 | | | | 12/14/23 23:5 | 57 | 12/17/23 12:06 | 1 |

Limits

5 - 145

10 - 145

10 - 145

5 - 145

10 - 145

10 - 145

10 - 145

10 - 145

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10 - 145

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

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

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

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

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

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

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

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

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

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

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

Analyzed

Prepared

Dil Fac

1

1

1

1

1

1

1

1

1

1

1

Lab Sample ID: 410-151123-5

| Method: EPA 1668C - Chlo | rinated Biphenvl | Congeners | (HRGC/HRM | IS) | | | | | |
|--------------------------|------------------|-----------|-----------|-----|-----|------|---|----------------|--------|
| Analyte | | Qualifier | LOQ | LOD | DL | Unit | D | Analyzed | Dil Fa |
| PCB-1 | 66 | UM | 190 | 66 | 17 | pg/L | | 12/17/23 13:22 | |
| PCB-10 | 41 | U | 42 | 41 | 21 | pg/L | | 12/17/23 13:22 | |
| PCB-103 | 16 | J | 75 | 38 | 10 | pg/L | | 12/17/23 13:22 | |
| PCB-104 | 38 | U | 75 | 38 | 16 | pg/L | | 12/17/23 13:22 | |
| PCB-105 | 85 | | 75 | 38 | 10 | pg/L | | 12/17/23 13:22 | |
| PCB-106 | 38 | U | 75 | 38 | 18 | pg/L | | 12/17/23 13:22 | |
| PCB-107 | 20 | JIM | 75 | 38 | 13 | pg/L | | 12/17/23 13:22 | |
| PCB-108/124 | 75 | UM | 150 | 75 | 24 | pg/L | | 12/17/23 13:22 | |
| PCB-11 | 180 | J | 280 | 260 | 100 | pg/L | | 12/17/23 13:22 | |
| 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 | |
| PCB-112 | 38 | U | 75 | 38 | 15 | pg/L | | 12/17/23 13:22 | |
| 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 | |
| PCB-12/13 | 66 | U | 75 | 66 | 32 | pg/L | | 12/17/23 13:22 | |
| PCB-120 | 38 | U | 75 | 38 | 13 | pg/L | | 12/17/23 13:22 | |
| PCB-121 | 38 | | 75 | 38 | 11 | pg/L | | 12/17/23 13:22 | |
| PCB-122 | 38 | U | 75 | 38 | 11 | pg/L | | 12/17/23 13:22 | |
| PCB-123 | 66 | | 75 | 66 | | pg/L | | 12/17/23 13:22 | |
| PCB-126 | 66 | | 75 | 66 | | pg/L | | 12/17/23 13:22 | |
| PCB-127 | 19 | U | 75 | 19 | 6.6 | pg/L | | 12/17/23 13:22 | |
| PCB-128/166 | 240 | | 150 | 66 | 17 | pg/L | | 12/17/23 13:22 | |
| PCB-129/138/163 | 4500 | | 230 | 100 | 27 | pg/L | | 12/17/23 13:22 | |
| PCB-130 | 160 | | 75 | 38 | 10 | pg/L | | 12/17/23 13:22 | |
| PCB-131 | 38 | U | 75 | 38 | 11 | pg/L | | 12/17/23 13:22 | |
| PCB-132 | 1100 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | |
| PCB-133 | 44 | J | 75 | 38 | | pg/L | | 12/17/23 13:22 | |
| PCB-134 | 120 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | |
| PCB-135/151 | 2100 | | 150 | 94 | | pg/L | | 12/17/23 13:22 | |
| PCB-136 | 550 | cn | 75 | 38 | 14 | pg/L | | 12/17/23 13:22 | |
| PCB-137 | 38 | U | 75 | 38 | 11 | pg/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

| Analyte | | Qualifier | LOQ | | | Unit | D | Analyzed | Dil Fac |
|-------------|------|-----------|-----------|----------|-----|------|---|----------------|---------|
| PCB-139/140 | 66 | | 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 | | 75 | 28 | 8.4 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-143 | 38 | UM | 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 | | | 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 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-159 | 52 | J | 75 | 47 | 13 | | | 12/17/23 13:22 | 1 |
| PCB-16 | 16 | | 38 | 28 | 13 | | | 12/17/23 13:22 | 1 |
| PCB-160 | 38 | | 75 | 38 | 11 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-161 | 38 | | 75 | 38 | 9.4 | | | 12/17/23 13:22 | 1 |
| CB-162 | 28 | | 75 | 28 | 8.4 | | | 12/17/23 13:22 | 1 |
| °CB-164 | 350 | | 75 | 19 | | pg/L | | 12/17/23 13:22 | |
| PCB-165 | 38 | U. | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| °CB-167 | 93 | 0 | 75 | 38 | 10 | | | 12/17/23 13:22 | י 1 |
| PCB-169 | 38 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | ' 1 |
| PCB-17 | 19 | | 38 | 28 | 10 | | | 12/17/23 13:22 | 1 |
| PCB-170 | 1900 | 5 | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-171/173 | 580 | | 73 150 | | | | | 12/17/23 13:22 | 1 |
| PCB-172 | 370 | | 75 | 28 | | pg/L | | 12/17/23 13:22 | 1 |
| | | | 75 | 20 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-174 | 2200 | | | | 10 | | | | |
| PCB-175 | 84 | | 75 | 38 | 11 | 10 | | 12/17/23 13:22 | 1 |
| PCB-176 | 290 | | 75 | 19 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-177 | 1200 | | 75 | 28 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-178 | 530 | | 75 | 56 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-179 | 930 | | 75 | 28 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-18/30 | 31 | J | 75 | 47 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-180/193 | 4200 | | 150 | 66 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-181 | 28 | | 75 | 28 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-182 | 38 | U | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-183/185 | 1500 | | 150 | 75 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-184 | 38 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-186 | 38 | U | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-187 | 2800 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-188 | 170 | | 190 | 170 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-189 | | JM | 75 | 38 | | 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

| Analyte | | Qualifier | LOQ | LOD | | Unit | <u>D</u> | Analyzed | Dil Fac |
|------------------------|-----------------|-----------|----------|----------|-----|--------------|----------|----------------|---------|
| PCB-191 | 71 | | 75 | 28 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-192 | 28 | U | 75 | 28 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-194 | 970 | | 110 | 38 | 11 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-195 | 440 | | 110 | 47 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-196 | 560 | | 110 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-198/199 | 1100 | | 230 | 47 | 17 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-2 | 47 | U | 190 | 47 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-20/28 | 54 | J | 75 | 56 | 26 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-201 | 130 | J | 380 | 180 | | pg/L | | 12/17/23 13:22 | 1 |
| 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 | | 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 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-207 | 34 | J | 110 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-208 | 100 | U | 110 | 100 | | pg/L | | 12/17/23 13:22 | 1 |
| DCB Decachlorobiphenyl | 700 | | 940 | 700 | 230 | | | 12/17/23 13:22 | 1 |
| PCB-21/33 | 29 | J | 75 | 56 | 27 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-22 | 19 | | 38 | 28 | 13 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-23 | 28 | | 38 | 28 | | pg/L | | 12/17/23 13:22 | 1 |
| 2CB-24 | 33 | | 38 | 33 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-25 | 28 | | 38 | 28 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-26/29 | 68 | | 75 | 68 | | pg/L | | 12/17/23 13:22 | |
| PCB-27 | 23 | | 38 | 23 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-3 | 38 | | 190 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-31 | 49 | - | 38 | 28 | | pg/L | | 12/17/23 13:22 | |
| PCB-32 | 23 | | 38 | 19 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-32 | 23 33 | | 38 | 33 | | pg/L pg/L | | 12/17/23 13:22 | 1 |
| PCB-35 | 33 | | 38 | 37 | | pg/L | | 12/17/23 13:22 | |
| РСВ-36 | 28 | | 30 38 | 37 28 | | pg/L pg/L | | 12/17/23 13:22 | 1 |
| ось-зо РСВ-37 | 20 18 | | 38 | 20 19 | | pg/L pg/L | | 12/17/23 13:22 | 1 |
| PCB-37 | | | | | | | | | |
| PCB-38 PCB-39 | 33 | | 38 | 33 | | pg/L | | 12/17/23 13:22 | 1 |
| | 34 | | 38 | 34 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-4 | 41 | | 42 | 41 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-40/71 | 32 | | 150 | 56 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-41 | 38 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-42 | 17 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-43 | 38 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-44/47/65 | 190 | | 230 | 84 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-45 | 38 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-46 | 38 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| CB-48 | 12 | | 75 | 28 | | pg/L | | 12/17/23 13:22 | 1 |
| CB-49/69 | 69 | J | 150 | 66 | | pg/L | | 12/17/23 13:22 | 1 |
| CB-5 | 38 | U | 42 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-50/53 | 190 | U | 280 | 190 | 85 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-51 | 76 | | 75 | 47 | 12 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-52 | 100 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-54 | 38 | U | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-55 | 38 | | 75 | 38 | | 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

5

6

| Analyte | Result | Qualifier | LOQ | LOD | DL | Unit | D | Analyzed | Dil Fac |
|----------------------------------|--------|-----------|----------|----------|----|--------------|---|----------------|---------|
| PCB-56 | 15 | J | 75 | 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 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-60 | 8.5 | J | 75 | 28 | | 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 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-64 | 31 | J | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-66 | 37 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-67 | 38 | | 75 | 38 | 10 | | | 12/17/23 13:22 | 1 |
| PCB-68 | | UМ | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-7 | 33 | | 38 | 33 | | pg/L | | 12/17/23 13:22 | |
| PCB-72 | 28 | | 75 | 28 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-73 | 38 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-77 | 38 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | |
| PCB-78 | 38 | | 75 | 38 | 10 | | | 12/17/23 13:22 | 1 |
| PCB-79 | 38 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-8 | | | 38 | | | | | 12/17/23 13:22 | |
| -СВ-8 РСВ-80 | 24 | | 30 75 | 31 | | pg/L | | | |
| | 38 | | | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-81 | 38 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-82 | | JI | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-83 | | JIM | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| °CB-84 | 60 | | 75 | 56 | 23 | | | 12/17/23 13:22 | 1 |
| PCB-85/116/117 | 43 | | 230 | 120 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-86/87/97/109/119/125 | 240 | | 450 | 280 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-88 | | UM | 75 | 38 | 16 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-89 | 38 | | 75 | 38 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-9 | 33 | U | 38 | 33 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-90/101/113 | 1000 | | 230 | 110 | 38 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-91 | 61 | J | 75 | 38 | 14 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-92 | 150 | | 75 | 38 | 11 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-93/100 | 31 | J | 150 | 75 | 23 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-94 | 38 | U | 75 | 38 | 12 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-95 | 680 | | 75 | 38 | 11 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-96 | 38 | U | 75 | 38 | 17 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-98/102 | 94 | U | 190 | 94 | 27 | pg/L | | 12/17/23 13:22 | 1 |
| PCB-99 | 130 | М | 75 | 38 | 11 | pg/L | | 12/17/23 13:22 | 1 |
| otal Monochlorobiphenyls | 38 | U | 190 | 38 | 10 | pg/L | | 12/17/23 13:22 | 1 |
| Total Dichlorobiphenyls | 200 | 1 | 38 | 30 | 15 | pg/L | | 12/17/23 13:22 | 1 |
| Total Trichlorobiphenyls | 260 | 1 | 38 | 19 | | pg/L | | 12/17/23 13:22 | 1 |
| otal Tetrachlorobiphenyls | 680 | | 75 | 28 | | pg/L | | 12/17/23 13:22 | 1 |
| Total Pentachlorobiphenyls | 3500 | | 75 | 19 | | pg/L | | 12/17/23 13:22 | 1 |
| Fotal Hexachlorobiphenyls | 20000 | | 75 | 19 | | pg/L | | 12/17/23 13:22 | 1 |
| Fotal Heptachlorobiphenyls | 17000 | | 75 | 19 | | pg/L | | 12/17/23 13:22 | 1 |
| Fotal Octachlorobiphenyls | 4300 | | 110 | 19 | | pg/L | | 12/17/23 13:22 | |
| fotal Nonachlorobiphenyls | 290 | | 110 | 19 | | pg/L | | 12/17/23 13:22 | 1 |
| Polychlorinated biphenyls, Total | 46000 | 1 | 38 | 19 19 | | pg/L | | 12/17/23 13:22 | 1 |
| PCB-197/200 | 46000 | | 230 | 47 | | pg/∟ 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 | %Recovery | 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 - Ch | lorinated 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

5

6

| Analyte | | Qualifier | LOQ | LOD | | 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 | pg/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 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-111 | 38 | U | 76 | 38 | 12 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-112 | 38 | U | 76 | 38 | 15 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-114 | 38 | UM | 76 | 38 | 17 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-118 | 38 | UM | 76 | 38 | 16 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-12/13 | 66 | U | 76 | 66 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-120 | 38 | U | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-121 | 38 | U | 76 | 38 | 11 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-122 | 38 | U | 76 | 38 | 11 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-123 | | UM | 76 | 66 | | pg/L | | 12/17/23 17:33 | |
| PCB-126 | | UM | 76 | 66 | | pg/L | | 12/17/23 17:33 | 1 |
| CB-127 | 19 | | 76 | 19 | | pg/L | | 12/17/23 17:33 | - |
| CB-128/166 | | UM | 150 | 66 | | pg/L | | 12/17/23 17:33 | |
| CB-129/138/163 | 100 | | 230 | 100 | | pg/L | | 12/17/23 17:33 | |
| PCB-130 | 38 | | 76 | 38 | | pg/L | | 12/17/23 17:33 | |
| CB-130 | 38 | | 76 76 | 38 | | | | 12/17/23 17:33 | |
| CB-131 CB-132 | 38 | | 70 76 | 38 | 10 | pg/L | | 12/17/23 17:33 | |
| CB-132 | | UM | 76 | 38 | | pg/L pg/L | | 12/17/23 17:33 | |
| CB-135 CB-134 | | UM | | | | | | | |
| CB-134 CB-135/151 | | UM | 76 | 38 | | pg/L | | 12/17/23 17:33 | |
| | | | 150 | 95 | 30 | 10 | | 12/17/23 17:33 | |
| CB-136 | | U cn | 76 | 38 | | pg/L | | 12/17/23 17:33 | |
| CB-137 | 38 | | 76 | 38 | 11 | pg/L | | 12/17/23 17:33 | |
| CB-139/140 | 66 | | 150 | 66 | 18 | | | 12/17/23 17:33 | |
| CB-14 | 38 | | 43 | 38 | 19 | pg/L | | 12/17/23 17:33 | |
| CB-141 | 19 | | 76 | 19 | | pg/L | | 12/17/23 17:33 | |
| PCB-142 | 28 | | 76 | 28 | | pg/L | | 12/17/23 17:33 | |
| CB-143 | 38 | | 76 | 38 | | pg/L | | 12/17/23 17:33 | • • • • • • • • |
| CB-144 | | U cn | 76 | 47 | | pg/L | | 12/17/23 17:33 | |
| CB-145 | 47 | | 76 | 47 | | pg/L | | 12/17/23 17:33 | |
| CB-146 | 38 | U | 76 | 38 | 9.5 | pg/L | | 12/17/23 17:33 | |
| PCB-147/149 | | UM | 150 | 76 | 19 | pg/L | | 12/17/23 17:33 | |
| CB-148 | 38 | | 76 | 38 | | pg/L | | 12/17/23 17:33 | |
| CB-15 | 38 | U | 43 | 38 | 19 | pg/L | | 12/17/23 17:33 | |
| CB-150 | 38 | U | 76 | 38 | 18 | pg/L | | 12/17/23 17:33 | |
| CB-152 | 38 | U | 76 | 38 | 13 | pg/L | | 12/17/23 17:33 | |
| CB-153/168 | 76 | U | 150 | 76 | 17 | pg/L | | 12/17/23 17:33 | |
| CB-154 | 95 | U | 190 | 95 | 43 | pg/L | | 12/17/23 17:33 | |
| CB-155 | 38 | U | 76 | 38 | | pg/L | | 12/17/23 17:33 | |
| CB-156/157 | 76 | UM | 150 | 76 | | pg/L | | 12/17/23 17:33 | |
| CB-158 | 38 | U | 76 | 38 | | pg/L | | 12/17/23 17:33 | • • • • • |
| CB-159 | 47 | | 76 | 47 | | pg/L | | 12/17/23 17:33 | |
| CB-16 | | UM | 38 | 28 | | pg/L | | 12/17/23 17:33 | |
| CB-160 | 38 | | 76 | 38 | | pg/L | | 12/17/23 17:33 | |
| PCB-161 | 38 | | 76 | 38 | | pg/L | | 12/17/23 17:33 | |

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

| Analyte | | Qualifier | LOQ | LOD | | Unit | D | Analyzed | Dil Fac |
|------------------------|-----|-----------|-----|-----|-----|--------------|---|----------------|---------|
| PCB-162 | 28 | U | 76 | 28 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-164 | 19 | U | 76 | 19 | | 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 | UМ | 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 | | 76 | 19 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-177 | 28 | UМ | 76 | 28 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-178 | 57 | U | 76 | 57 | | pg/L | | 12/17/23 17:33 | |
| PCB-179 | | UM | 76 | 28 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-18/30 | | UM | 76 | 47 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-180/193 | 66 | | 150 | 66 | | pg/L | | 12/17/23 17:33 | |
| PCB-181 | 28 | | 76 | 28 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-182 | 38 | | 76 | 38 | | pg/⊑ pg/L | | 12/17/23 17:33 | 1 |
| PCB-183/185 | 76 | | 150 | 76 | | pg/L | | 12/17/23 17:33 | |
| PCB-184 | 38 | | 76 | 38 | | pg/L pg/L | | 12/17/23 17:33 | 1 |
| PCB-186 | 38 | | 76 | 38 | | | | 12/17/23 17:33 | 1 |
| PCB-180 | 38 | | | | | pg/L | | | |
| PCB-188 | | UM | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| | | | 190 | 170 | | pg/L | | 12/17/23 17:33 | |
| PCB-189 | 38 | | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-19 | | UM | 38 | 28 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-190 | 38 | | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-191 | 28 | | 76 | 28 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-192 | 28 | | 76 | 28 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-194 | 17 | | 110 | 38 | 11 | | | 12/17/23 17:33 | 1 |
| PCB-195 | 47 | | 110 | 47 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-196 | 38 | | 110 | 38 | 10 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-198/199 | 17 | | 230 | 47 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-2 | 47 | UM | 190 | 47 | | 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 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-208 | 100 | | 110 | 100 | | pg/L | | 12/17/23 17:33 | 1 |
| DCB Decachlorobiphenyl | | UM | 950 | 710 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-21/33 | | UM | 76 | 57 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-22 | | UM | 38 | 28 | | pg/L | | 12/17/23 17:33 | 1 |
| °CB-23 | 28 | | 38 | 28 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-24 | 33 | | 38 | 33 | | pg/L | | 12/17/23 17:33 | |
| PCB-25 | | UM | 38 | 28 | | pg/L 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

| Analyte | inated Biphenyl Result | Qualifier | LOQ | LOD | | Unit | D | Analyzed | Dil Fac |
|------------------|---------------------------|------------|-----|----------|-----|--------------|---|----------------|---------|
| PCB-26/29 | <u></u> | | 76 | 68 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-27 | 24 | | 38 | 24 | | pg/L | | 12/17/23 17:33 | |
| PCB-3 | | UM | 190 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-31 | 28 | | 38 | 28 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-32 | | UM | 38 | 19 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-34 | 33 | | 38 | 33 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-35 | 37 | | 38 | 37 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-36 | 28 | | 38 | 28 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-37 | | UM | 38 | 19 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-38 | | UM | 38 | 33 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-39 | | UM | 38 | 34 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-4 | 42 | | 43 | 42 | | pg/L pg/L | | 12/17/23 17:33 | 1 |
| PCB-40/71 | | UM | 150 | 57 | | pg/∟ pg/L | | 12/17/23 17:33 | 1 |
| PCB-40/71 | | UM | 76 | 38 | | | | 12/17/23 17:33 | 1 |
| PCB-41 PCB-42 | 38 | | 76 | 30 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-42 PCB-43 | | | | | | pg/L | | | |
| | 38 | | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-44/47/65 | | U M U M | 230 | 85 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-45 | | | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-46 | 38 | | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-48 | 28 | | 76 | 28 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-49/69 | 66 | | 150 | 66 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-5 | 38 | | 43 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-50/53 | | UM | 280 | 190 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-51 | | UM | 76 | 47 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-52 | | UM | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-54 | 38 | | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-55 | | UM | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-56 | 38 | UM | 76 | 38 | | 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 | 1 |
| PCB-6 | 34 | U | 38 | 34 | 17 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-60 | 28 | UM | 76 | 28 | 8.5 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-61/70/74/76 | 110 | UM | 300 | 110 | 28 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-63 | 38 | U | 76 | 38 | 12 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-64 | 38 | U | 76 | 38 | 9.5 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-66 | 38 | UM | 76 | 38 | 10 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-67 | 38 | U | 76 | 38 | 10 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-68 | 38 | UМ | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-7 | 33 | U | 38 | 33 | 15 | pg/L | | 12/17/23 17:33 | 1 |
| PCB-72 | 28 | U | 76 | 28 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-73 | 38 | U | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-77 | 38 | UM | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-78 | 38 | | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-79 | 38 | | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-8 | 31 | | 38 | 31 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-80 | 38 | | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-81 | | UМ | 76 | 38 | | pg/L | | 12/17/23 17:33 | 1 |
| PCB-82 | | UM | 76 | 38 | | 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: | 410-151123-1 | |
|-----|-----|--------------|--|
| 000 | ю. | 410 101120 1 | |

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

5

6

| Analyte | Result | Qualifier | LOQ | LOD | DL | Unit D | Analyzed | Dil Fac |
|----------------------------------|-------------|-----------|----------|-----|-----|----------------|----------------|---------|
| PCB-83 | 38 | U | 76 | 38 | 14 | pg/L | 12/17/23 17:33 | 1 |
| PCB-84 | 57 | UM | 76 | 57 | 24 | pg/L | 12/17/23 17:33 | 1 |
| PCB-85/116/117 | 120 | UM | 230 | 120 | 32 | pg/L | 12/17/23 17:33 | 1 |
| PCB-86/87/97/109/119/125 | 280 | UМ | 460 | 280 | 140 | pg/L | 12/17/23 17:33 | 1 |
| PCB-88 | 38 | UМ | 76 | 38 | 16 | pg/L | 12/17/23 17:33 | 1 |
| PCB-89 | 38 | U | 76 | 38 | 14 | pg/L | 12/17/23 17:33 | 1 |
| PCB-9 | 33 | U | 38 | 33 | 16 | pg/L | 12/17/23 17:33 | 1 |
| PCB-90/101/113 | 110 | UМ | 230 | 110 | 38 | pg/L | 12/17/23 17:33 | 1 |
| PCB-91 | 38 | U | 76 | 38 | 14 | pg/L | 12/17/23 17:33 | 1 |
| PCB-92 | 38 | U | 76 | 38 | 11 | pg/L | 12/17/23 17:33 | 1 |
| PCB-93/100 | 76 | UМ | 150 | 76 | 24 | | 12/17/23 17:33 | 1 |
| PCB-94 | 38 | U | 76 | 38 | 12 | pg/L | 12/17/23 17:33 | 1 |
| PCB-95 | 38 | U | 76 | 38 | 11 | | 12/17/23 17:33 | 1 |
| PCB-96 | 38 | U | 76 | 38 | 17 | | 12/17/23 17:33 | 1 |
| PCB-98/102 | 95 | | 190 | 95 | | pg/L | 12/17/23 17:33 | 1 |
| PCB-99 | 38 | | 76 | 38 | 11 | | 12/17/23 17:33 | 1 |
| Total Monochlorobiphenyls | 38 | | 190 | 38 | 10 | | 12/17/23 17:33 | 1 |
| Total Dichlorobiphenyls | 30 | | 38 | 30 | | pg/L | 12/17/23 17:33 | 1 |
| Total Trichlorobiphenyls | 19 | | 38 | 19 | 7.6 | pg/L | 12/17/23 17:33 | 1 |
| Total Tetrachlorobiphenyls | 28 | | 76 | 28 | | pg/L | 12/17/23 17:33 | 1 |
| Total Pentachlorobiphenyls | | | 76 | -0 | | pg/L | 12/17/23 17:33 | 1 |
| Total Hexachlorobiphenyls | 19 | | 76 | 10 | 5.7 | pg/L | 12/17/23 17:33 | 1 |
| Total Heptachlorobiphenyls | 19 | | 76 | 10 | | pg/L | 12/17/23 17:33 | |
| Total Octachlorobiphenyls | | JI | 110 | 19 | | pg/L | 12/17/23 17:33 | |
| Total Nonachlorobiphenyls | | JI | 110 | 19 | | pg/L | 12/17/23 17:33 | 1 |
| Polychlorinated biphenyls, Total | 47 | | 38 | 19 | | pg/L | 12/17/23 17:33 | - |
| PCB-197/200 | | U M | 230 | 47 | | pg/L | 12/17/23 17:33 | |
| | | | | -1 | 10 | | | |
| Isotope Dilution | %Recovery Q | ualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| PCB-1L | 34 | | 5 - 145 | | | | 12/17/23 17:33 | 1 |
| PCB-104L | 48 | | 10 - 145 | | | | 12/17/23 17:33 | 1 |
| PCB-105L | 54 | | 10 - 145 | | | | 12/17/23 17:33 | 1 |
| PCB-114L | 52 | | 10 - 145 | | | | 12/17/23 17:33 | 1 |
| PCB-118L | 50 | | 10 - 145 | | | | 12/17/23 17:33 | 1 |
| PCB-123L | 52 | | 10 - 145 | | | | 12/17/23 17:33 | 1 |
| PCB-126L | 51 | | 10_145 | | | | 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 | | | | 12/17/23 17:33 | 1 |
| PCB-156L/157L | 59 | | 10 - 145 | | | | 12/17/23 17:33 | 1 |
| PCB-167L | 56 | | 10 - 145 | | | | 12/17/23 17:33 | |
| PCB-169L | 60 | | 10_145 | | | 12/14/23 23:57 | 12/17/23 17:33 | |
| 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 | - |
| 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 | |
| PCB-202L | 62 | | 10 - 145 | | | 12/14/23 23:57 | 12/17/23 17:33 | |
| PCB-205L | 67 | | 10 - 145 | | | 12/14/23 23:57 | 12/17/23 17:33 | - |
| PCB-206L | 72 | | 10_145 | | | 12/14/23 23:57 | 12/17/23 17:33 | |
| PCB-208L | 66 | | 10_145 | | | 12/14/23 23:57 | 12/17/23 17:33 | ÷ |
| PCB-209L | 74 | | 10 - 145 | | | 12/14/23 23:57 | 12/17/23 17:33 | - |

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 D | il 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 |
| 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 |
| 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

5

7

| Client Sample ID MP-1 MP-2 | PCB1L (5-145) 34 | PCB104L (10-145) | | | PCB118L | PCB123L | PCB126L | PCB127L |
|---------------------------------------|--|---|--|---|---|---|---|---|
| MP-1 | | (10-145) | (40.445) | | | | | |
| | 2/ | | (10-145) | (10-145) | (10-145) | (10-145) | (10-145) | (10-145) |
| MP-2 | 34 | 45 | 57 | 55 | 51 | 54 | 54 | 53 |
| | 24 | 58 | 61 | 60 | 57 | 61 | 56 | 55 |
| MP-3 | 40 | 61 | 70 | 67 | 63 | 67 | 62 | 63 |
| MP-4 | 30 | 58 | 71 | 69 | 64 | 68 | 67 | 65 |
| MP-5 | 37 | 45 | 59 | 58 | 52 | 55 | 55 | 54 |
| Field Blank | 34 | 48 | 54 | 52 | 50 | 52 | 51 | 50 |
| Method Blank | 36 | 62 | 64 | 61 | 58 | 61 | 59 | 59 |
| | | Porce | ont leatana | Dilution Re | covery (Ac | contanco I | imite) | |
| | PCB155 | | | | | | | PCB19L |
| Client Sample ID | | | | | | | | (5-145) |
| | | · / | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | 43 |
| | | | | | | | | 48 |
| | | | | | | | | 63 |
| | | | | | | | | 44 |
| | | | | | | | | 44 46 |
| | | | | | | | | 43 |
| | | | | | | | | -5 56 |
| Method Blank | 10 | | | | | | | 50 |
| | | | • | | | • | , | |
| | | | | | | | | PCB32L |
| | | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | (5-145) |
| | | | | | | | | 46 |
| | | | | | | | | 56 |
| | | | | | | | | 68 |
| | | | | | | | | 51 |
| | | | | | | | | 49 |
| | | | | | | | | 45 |
| Method Blank | 85 | 87 | 87 | 87 | 91 | 42 | 53 | 59 |
| | | Perce | ent Isotope | Dilution Re | covery (Ac | ceptance L | imits) | |
| | PCB37L | PCB4L | PCB54L | PCB77L | PCB8L | PCB81L | PCB95L | PCB15L |
| Client Sample ID | (5-145) | (5-145) | (5-145) | (10-145) | (5-145) | (10-145) | (10-145) | (5-145) |
| MP-1 | 48 | 38 | 47 | 64 | 36 | 63 | 54 | 43 |
| MP-2 | 67 | 33 | 59 | 75 | 38 | 77 | 66 | 54 |
| MP-3 | 75 | 51 | 68 | 86 | 50 | 87 | 69 | 64 |
| MP-4 | 64 | 35 | 55 | 78 | 36 | 78 | 66 | 48 |
| MP-5 | 52 | 41 | 48 | 64 | 39 | 64 | 53 | 46 |
| Field Blank | 50 | 37 | 48 | 60 | 35 | 60 | 54 | 41 |
| Method Blank | 59 | 43 | 61 | 69 | 42 | 71 | 70 | 51 |
| | | Perce | ent Isotope | Dilution Re | coverv (Ac | ceptance L | imits) | |
| | PCB128L | | | | | | | PCB85L |
| Client Sample ID | | | | | | | | (10-145) |
| · · · · · · · · · · · · · · · · · · · | | <u> </u> | <u> </u> | | | <u> </u> | <u> </u> | 65 |
| | | | | | | | | 78 |
| | | | | | | | | 83 |
| | | | | | | | | 82 |
| | | | | | | | | 66 |
| | | | | | | | | 66 |
| Method Blank | 79 | 78 | 80 | 57 | 40 60 | 66 | 62 | 79 |
| | Method Blank Client Sample ID MP-1 MP-2 MP-3 MP-4 MP-5 Field Blank Method Blank Client Sample ID MP-1 MP-2 MP-3 MP-4 MP-5 Field Blank Method Blank Client Sample ID MP-1 MP-2 MP-3 MP-4 MP-5 Field Blank | Method Blank 36 Client Sample ID (10-145) MP-1 60 MP-2 80 MP-3 77 MP-4 78 MP-5 55 Field Blank 64 Method Blank 64 Method Blank 76 Client Sample ID (10-145) MP-1 64 MP-2 86 MP-3 88 MP-4 94 MP-5 63 Field Blank 62 Method Blank 85 MP-4 94 MP-5 63 Field Blank 62 Method Blank 85 MP-4 94 MP-5 52 Field Blank 50 MP-1 48 MP-2 67 MP-3 75 MP-4 64 MP-5 52 Field Blank 50 Method Blank | Method Blank 36 62 PCB155L 156157L Client Sample ID (10-145) (10-145) MP-1 60 59 MP-2 80 53 MP-3 77 53 MP-4 78 67 MP-5 55 52 Field Blank 64 59 Method Blank 76 69 PCB202L PCB205L PCB205L Method Blank 76 69 MP-1 64 68 MP-2 86 78 MP-3 88 72 MP-4 94 89 MP-2 63 62 Field Blank 62 67 Method Blank 85 87 MP-4 94 89 MP-5 63 62 Field Blank 62 67 MP-1 48 38 MP-2 67 33 M | Method Blank 36 62 64 Percent Isotope Client Sample ID (10-145) (10-145) (10-145) MP-1 60 59 57 MP-2 80 53 56 MP-3 77 53 57 MP-4 78 67 70 MP-5 55 52 54 Field Blank 64 59 56 Method Blank 64 59 56 Method Blank 64 59 56 MP-1 64 68 68 MP-2 86 78 81 MP-3 88 72 70 MP-4 94 89 93 MP-5 63 62 61 Field Blank 62 67 72 MP-4 94 89 93 MP-5 63 62 61 Field Blank 62 67 33 </td <td>Method Blank 36 62 64 61 PCB155L PCB167L PCB167L PCB169L MP-1 60 59 57 59 MP-2 80 53 56 51 MP-3 77 53 57 53 MP-4 78 67 70 56 MP-5 55 52 54 54 Field Blank 64 59 56 60 Method Blank 76 69 64 70 MP-4 78 67 70 56 MP-5 55 52 54 54 Field Blank 64 59 56 60 MP-1 64 68 68 67 MP-2 86 78 81 80 MP-3 88 72 70 69 MP-4 94 89 93 93 MP-5 63 62 <</td> <td>Method Blank 36 62 64 61 58 Percent Isotope Dilution Recovery (Ac PCB155L PCB167L PCB169L PCB189L PCB180L MP-1 60 59 57 59 61 MP-2 80 53 56 51 70 MP-3 77 53 57 53 76 MP-4 78 67 70 56 88 MP-5 55 52 54 54 59 Field Blank 64 59 56 60 61 Method Blank 76 69 64 70 79 PCB202L PCB205L PCB206L PCB208L PCB208L MP-1 64 68 68 67 68 MP-2 86 78 81 80 82 MP-3 88 72 70 69 57 MP-4 94 89 93 93 94</td> <td>Method Blank 36 62 64 61 58 61 PCB155L 156157L PCB167L PCB169L PCB180L PCB1</td> <td>Method Blank 36 62 64 61 58 61 59 Percent Isotope Dilution Recovery (Acceptance Limits) PCB155L 156157L PCB167L PCB169L PCB138L PCB138L PCB138L PCB138L MP-1 60 59 57 59 61 63 59 MP-2 80 53 56 51 70 94 64 MP-3 77 53 57 53 76 98 65 MP-4 78 67 70 56 60 61 63 59 MP-5 55 52 54 54 59 62 55 Field Blank 64 59 66 61 63 59 Method Blank 76 68 67 68 40 43 MP-2 86 78 81 80 82 35 55 MP-3 88 72 70</td> | Method Blank 36 62 64 61 PCB155L PCB167L PCB167L PCB169L MP-1 60 59 57 59 MP-2 80 53 56 51 MP-3 77 53 57 53 MP-4 78 67 70 56 MP-5 55 52 54 54 Field Blank 64 59 56 60 Method Blank 76 69 64 70 MP-4 78 67 70 56 MP-5 55 52 54 54 Field Blank 64 59 56 60 MP-1 64 68 68 67 MP-2 86 78 81 80 MP-3 88 72 70 69 MP-4 94 89 93 93 MP-5 63 62 < | Method Blank 36 62 64 61 58 Percent Isotope Dilution Recovery (Ac PCB155L PCB167L PCB169L PCB189L PCB180L MP-1 60 59 57 59 61 MP-2 80 53 56 51 70 MP-3 77 53 57 53 76 MP-4 78 67 70 56 88 MP-5 55 52 54 54 59 Field Blank 64 59 56 60 61 Method Blank 76 69 64 70 79 PCB202L PCB205L PCB206L PCB208L PCB208L MP-1 64 68 68 67 68 MP-2 86 78 81 80 82 MP-3 88 72 70 69 57 MP-4 94 89 93 93 94 | Method Blank 36 62 64 61 58 61 PCB155L 156157L PCB167L PCB169L PCB180L PCB1 | Method Blank 36 62 64 61 58 61 59 Percent Isotope Dilution Recovery (Acceptance Limits) PCB155L 156157L PCB167L PCB169L PCB138L PCB138L PCB138L PCB138L MP-1 60 59 57 59 61 63 59 MP-2 80 53 56 51 70 94 64 MP-3 77 53 57 53 76 98 65 MP-4 78 67 70 56 60 61 63 59 MP-5 55 52 54 54 59 62 55 Field Blank 64 59 66 61 63 59 Method Blank 76 68 67 68 40 43 MP-2 86 78 81 80 82 35 55 MP-3 88 72 70 |

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

5

| | | | Perce | ent Isotope | Dilution Re | ecovery (Ac | ceptance L | imits) | |
|--|------------------------|----------|----------|-------------|-------------|-------------|------------|----------|----------|
| | | PCB202L | | - | PCB208L | • • | PCB3L | PCB31L | PCB32L |
| _ab Sample ID | Client Sample ID | (40-145) | (40-145) | (40-145) | (40-145) | (40-145) | (15-145) | (15-145) | (15-145) |
| _CS 410-454387/2-A | Lab Control Sample | 67 | 71 | 73 | 72 | 75 | 41 | 42 | 48 |
| _CSD 410-454387/3-A | Lab Control Sample Dup | 73 | 77 | 82 | 75 | 81 | 38 | 47 | 50 |
| | | | | | | | | | |
| | | DODAT! | | | | ecovery (Ac | | | DODAL |
| | | PCB37L | PCB4L | PCB54L | PCB77L | PCB8L | PCB81L | PCB95L | PCB15L |
| _ab Sample ID | Client Sample ID | (15-145) | (15-145) | (15-145) | (40-145) | (15-145) | (40-145) | (40-145) | (15-145) |
| -CS 410-454387/2-A | Lab Control Sample | 46 | 40 | 46 | 57 | 37 | 57 | 52 | 43 |
| _CSD 410-454387/3-A | Lab Control Sample Dup | 57 | 37 | 54 | 70 | 36 | 69 | 63 | 46 |
| | | | Perce | ent Isotope | Dilution Re | ecovery (Ac | ceptance L | imits) | |
| | | PCB128L | PCB133L | PCB141L | PCB162L | PCB47L | PCB60L | PCB70L | PCB85L |
| _ab Sample ID | Client Sample ID | (40-145) | (40-145) | (40-145) | (40-145) | (15-145) | (40-145) | (40-145) | (40-145) |
| _CS 410-454387/2-A | Lab Control Sample | 65 | 64 | 65 | 47 | 45 | 53 | 49 | 64 |
| _CSD 410-454387/3-A | Lab Control Sample Dup | 74 | 73 | 74 | 57 | 54 | 63 | 59 | 74 |
| Surragata Lagand | | | | | | | | | |
| Surrogate Legend PCB1L = PCB-1L | | | | | | | | | |
| 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 | | | | | | | | |
| 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 | | | | | | | | | |
| PCB712 = PCB-712 PCB8L = PCB-8L | | | | | | | | | |
| PCB8L = PCB-8L PCB81L = PCB-81L | | | | | | | | | |
| | | | | | | | | | |
| PCB95L = PCB-95L | | | | | | | | | |
| | | | | | | | | | |
| PCB15L = PCB-15L | | | | | | | | | |
| PCB128L = PCB-128L | | | | | | | | | |
| PCB128L = PCB-128L PCB133L = PCB-133L | | | | | | | | | |
| PCB128L = PCB-128L | | | | | | | | | |

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**

| Matrix: Water | | | | | | | | ep Batch: 454387 | |
|------------------------|----------|-----------|-----------|----------|-----|--------------|---|----------------------------------|---------|
| Analysis Batch: 454840 | МВ | МВ | | | | | | Ргер Басси: | 454307 |
| Analyte | | Qualifier | LOQ | LOD | DL | Unit | D | Analyzed | Dil Fac |
| PCB-1 | | UM | 200 | 70 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-10 | 44 | UМ | 45 | 44 | 22 | pg/L | | 12/16/23 17:49 | 1 |
| PCB-103 | 40 | U | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-104 | 40 | U | 80 | 40 | 17 | pg/L | | 12/16/23 17:49 | 1 |
| PCB-105 | 40 | UМ | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-106 | 40 | U | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-107 | | UM | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-108/124 | 80 | U | 160 | 80 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-11 | 280 | | 300 | 280 | 110 | | | 12/16/23 17:49 | 1 |
| PCB-110/115 | | UM | 160 | 100 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-111 | 40 | | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-112 | 40 | | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-114 | | UM | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-118 | | UM | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-12/13 | 70 | | 80 | 70 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-120 | 40 | | 80 | 40 | | pg/L | | 12/16/23 17:49 | |
| PCB-120 | | UM | 80 | 40 40 | | pg/∟ pg/L | | 12/16/23 17:49 | 1 |
| PCB-121 | 40 40 | | 80 | 40 40 | | pg/L pg/L | | | 1 |
| PCB-122 PCB-123 | | | | | | | | 12/16/23 17:49 12/16/23 17:49 | |
| | 70 | | 80 | 70 | | pg/L | | | 1 |
| PCB-126 | 70 | | 80 | 70 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-127 | 20 | | 80 | 20 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-128/166 | | UM | 160 | 70 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-129/138/163 | 110 | | 240 | 110 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-130 | 40 | | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-131 | 40 | | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-132 | 40 | | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-133 | 40 | U | 80 | 40 | 10 | pg/L | | 12/16/23 17:49 | 1 |
| PCB-134 | | UM | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-135/151 | 100 | U | 160 | 100 | 32 | pg/L | | 12/16/23 17:49 | 1 |
| PCB-136 | 40 | U cn | 80 | 40 | 15 | pg/L | | 12/16/23 17:49 | 1 |
| PCB-137 | 40 | U | 80 | 40 | 12 | pg/L | | 12/16/23 17:49 | 1 |
| PCB-139/140 | 70 | U | 160 | 70 | 19 | pg/L | | 12/16/23 17:49 | 1 |
| PCB-14 | 40 | U | 45 | 40 | 20 | pg/L | | 12/16/23 17:49 | 1 |
| PCB-141 | 20 | UM | 80 | 20 | 6.0 | pg/L | | 12/16/23 17:49 | 1 |
| PCB-142 | 30 | U | 80 | 30 | 9.0 | pg/L | | 12/16/23 17:49 | 1 |
| PCB-143 | 40 | UМ | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-144 | 50 | U cn | 80 | 50 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-145 | 50 | U | 80 | 50 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-146 | 40 | U | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-147/149 | 80 | | 160 | 80 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-148 | 40 | | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-15 | 40 | | 45 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-150 | 40 | | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-152 | 40 | | 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-153/168 | | UM | 160 | 40 80 | | pg/L | | 12/16/23 17:49 | 1 |
| PCB-153/108 | 100 | | | 100 | | | | 12/16/23 17:49 | |
| PCB-154 PCB-155 | 40 | | 200 80 | 40 | | pg/L | | 12/16/23 17:49 | 1 |
| | | | | | | pg/L | | | 1 |
| PCB-156/157 | 80 | U | 160 | 80 | 29 | pg/L | | 12/16/23 17:49 | 1 |

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Job ID: 410-151123-1

Prep Type: Total/NA

Client Sample ID: Method Blank

8

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

| Analysis Batch: 454840 | MR | МВ | в | | | | Prep Batch: | 454307 |
|-------------------------|------|-----------|------|-----|-----|------|----------------|---------|
| Analyte | | Qualifier | LOQ | LOD | DL | Unit | D Analyzed | Dil Fac |
| PCB-158 | | UM | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-159 | 50 | U | 80 | 50 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-16 | 30 | UM | 40 | 30 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-160 | 40 | U | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-161 | 40 | U | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-162 | 30 | U | 80 | 30 | | | 12/16/23 17:49 | 1 |
| PCB-164 | 20 | U | 80 | 20 | 7.0 | | 12/16/23 17:49 | 1 |
| PCB-165 | 40 | | 80 | 40 | 10 | pg/L | 12/16/23 17:49 | 1 |
| PCB-167 | 40 | UM | 80 | 40 | 11 | | 12/16/23 17:49 | 1 |
| PCB-169 | 40 | U | 80 | 40 | 18 | pg/L | 12/16/23 17:49 | 1 |
| PCB-17 | 30 | U | 40 | 30 | 11 | | 12/16/23 17:49 | 1 |
| PCB-170 | 40 | UM | 80 | 40 | 11 | | 12/16/23 17:49 | 1 |
| PCB-171/173 | 50 | U | 160 | 50 | 16 | pg/L | 12/16/23 17:49 | 1 |
| PCB-172 | 30 | | 80 | 30 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-174 | 40 | | 80 | 40 | 11 | | 12/16/23 17:49 | 1 |
| PCB-175 | 40 | U | 80 | 40 | 12 | pg/L | 12/16/23 17:49 | 1 |
| PCB-176 | 20 | | 80 | 20 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-177 | 30 | | 80 | 30 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-178 | 60 | | 80 | 60 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-179 | 30 | | 80 | 30 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-18/30 | 50 | | 80 | 50 | 24 | | 12/16/23 17:49 | 1 |
| PCB-180/193 | 70 | | 160 | 70 | 19 | | 12/16/23 17:49 | 1 |
| PCB-181 | 30 | | 80 | 30 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-182 | 40 | | 80 | 40 | 11 | | 12/16/23 17:49 | 1 |
| PCB-183/185 | 80 | | 160 | 80 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-184 | 40 | | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-186 | 40 | | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-187 | 40 | | 80 | 40 | 11 | | 12/16/23 17:49 | 1 |
| PCB-188 | | UM | 200 | 180 | 47 | | 12/16/23 17:49 | 1 |
| PCB-189 | 40 | | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-19 | 30 | | 40 | 30 | 11 | | 12/16/23 17:49 | 1 |
| PCB-190 | 40 | | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-191 | | UM | 80 | 30 | 10 | pg/L | 12/16/23 17:49 | 1 |
| PCB-192 | 30 | | 80 | 30 | 9.0 | | 12/16/23 17:49 | 1 |
| PCB-194 | 40 | | 120 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-195 | 50 | | 120 | 50 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-196 | 40 | | 120 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-198/199 | 50 | | 240 | 50 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-2 | | UM | 200 | 50 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-20/28 | | UM | 80 | 60 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-201 | | UM | 400 | 190 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-202 | | UM | 120 | 30 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-203 | 50 | | 120 | 50 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-204 | 40 | | 120 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-205 | | UM | 120 | 20 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-206 | 8.17 | | 120 | 20 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-207 | 40 | | 120 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-208 | | UM | 120 | 110 | | pg/L | 12/16/23 17:49 | 1 |
| DCB Decachlorobiphenyl | | UM | 1000 | 750 | | pg/L | 12/16/23 17:49 | 1 |
| Deb Decaentoropipiterty | 730 | | 1000 | 100 | 240 | P9/L | 12/10/20 17:49 | |

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8

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 | |
|----------|--------|--------|--|
| Analysis | Daten. | -0-0-0 | |

| | MB | MB | | | | | | |
|------------------------|----------|-----------|-----|----------|-----|------|----------------|---------|
| Analyte | | Qualifier | LOQ | LOD | | 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 | UM | 40 | 20 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-34 | 35 | U | 40 | 35 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-35 | 39 | UM | 40 | 39 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-36 | 30 | | 40 | 30 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-37 | | UM | 40 | 20 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-38 | | UM | 40 | 35 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-39 | 36 | | 40 | 36 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-4 | | UM | 45 | 44 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-40/71 | | UM | 160 | 60 | | pg/L | 12/16/23 17:49 | |
| PCB-41 | | UM | 80 | 40 | 10 | pg/L | 12/16/23 17:49 | 1 |
| PCB-42 | | UM | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-42 PCB-43 | 40 | | 80 | 40 40 | | pg/L | 12/16/23 17:49 | |
| PCB-44/47/65 | 40 90 | | 240 | 40 90 | | | 12/16/23 17:49 | 1 |
| PCB-44/47/05 PCB-45 | | | | | | pg/L | | |
| | | UM | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-46 | | UM | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-48 | 30 | | 80 | 30 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-49/69 | 70 | | 160 | 70 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-5 | 40 | | 45 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-50/53 | 200 | | 300 | 200 | 91 | 10 | 12/16/23 17:49 | 1 |
| PCB-51 | 50 | | 80 | 50 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-52 | | UM | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-54 | 40 | | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-55 | 40 | | 80 | 40 | 11 | | 12/16/23 17:49 | 1 |
| PCB-56 | | UM | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-57 | 40 | U | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-58 | 40 | | 80 | 40 | | 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 | pg/L | 12/16/23 17:49 | 1 |
| PCB-64 | 40 | UM | 80 | 40 | 10 | pg/L | 12/16/23 17:49 | 1 |
| PCB-66 | 40 | UM | 80 | 40 | 11 | pg/L | 12/16/23 17:49 | 1 |
| PCB-67 | 40 | U | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-68 | 40 | U | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-7 | 35 | | 40 | 35 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-72 | 30 | | 80 | 30 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-73 | 40 | | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |
| PCB-77 | | UМ | 80 | 40 | | pg/L | 12/16/23 17:49 | |
| PCB-78 | 40 | | 80 | 40 | | pg/L | 12/16/23 17:49 | 1 |

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Prep Type: Total/NA Prep Batch: 454387

Client Sample ID: Method Blank

> 12 13

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

| matrix. | ator | | |
|----------|--------|--------|--|
| Analysis | Batch: | 454840 | |

| Analysis Batch. 454040 | MB | МВ | | | | | | Fiep Datch. | 434307 |
|----------------------------------|------|-----------|-----|-----|-----|------|---|----------------|---------|
| Analyte | | Qualifier | LOQ | LOD | DL | Unit | D | Analyzed | Dil Fac |
| PCB-79 | 40 | | 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 |
| | | _ | | | | | | | |

| | MB | МВ | | | | |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| Isotope Dilution | %Recovery | 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

8

Job ID: 410-151123-1

5

8 9

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

| Lab Sample ID: LCS 410- Matrix: Water Analysis Batch: 454840 | 454387/2-A | | | | | Clie | ent Sai | nple ID: | : Lab Control Sample Prep Type: Total/NA 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-118L | 47 | | 40 - 145 | | | | | | |
| PCB-123L | 51 | | 40 - 145 | | | | | | |
| PCB-126L | 49 | | 40 - 145 | | | | | | |
| PCB-127L | 47 | | 40 - 145 | | | | | | |
| PCB-155L | 58 | | 40 - 145 | | | | | | |
| PCB-156L/157L | 55 | | 40 - 145 | | | | | | |
| PCB-167L | 52 | | 40 - 145 40 - 145 | | | | | | |
| PCB-169L | 54 | | 40 - 145 40 - 145 | | | | | | |
| PCB-180L | 64 | | 40 - 145 | | | | | | |
| PCB-188L | 64 | | 40 - 145 40 - 145 | | | | | | |
| PCB-189L | 55 | | 40 - 145 40 - 145 | | | | | | |
| PCB-19L | 55 45 | | 40 - 145 15 - 145 | | | | | | |
| PCB-202L | 43 67 | | 40 - 145 | | | | | | |
| PCB-205L | 71 | | 40 - 145 40 - 145 | | | | | | |
| PCB-205L PCB-206L | 71 | | 40 - 145 40 - 145 | | | | | | |
| PCB-208L | 73 | | 40 - 145 40 - 145 | | | | | | |
| PCB-209L | 72 | | 40 - 145 40 - 145 | | | | | | |
| | | | | | | | | | |
| PCB-3L | 41 | | 15 - 145 | | | | | | |
| PCB-31L | 42 | | 15-145 | | | | | | |
| PCB-32L | 48 | | 15_145 | | | | | | |
| PCB-37L | 46 | | 15 - 145 | | | | | | |
| PCB-4L | 40 | | 15-145 | | | | | | |
| PCB-54L | 46 | | 15 - 145 | | | | | | |
| PCB-77L | 57 | | 40 - 145 | | | | | | |
| PCB-8L | 37 | | 15 - 145 | | | | | | |
| PCB-81L | 57 | | 40 - 145 | | | | | | |
| PCB-95L | 52 | | 40 - 145 | | | | | | |
| PCB-15L | 43 | | 15 - 145 | | | | | | |
| PCB-128L | 65 | | 40 - 145 | | | | | | |
| PCB-133L | 64 | | 40 - 145 | | | | | | |
| PCB-141L | 65 | | 40 - 145 | | | | | | |
| PCB-162L | 47 | | 40 - 145 | | | | | | |
| PCB-47L | 45 | | 15 - 145 | | | | | | |
| PCB-60L | 53 | | 40 - 145 | | | | | | |
| PCB-70L | 49 | | 40 - 145 | | | | | | |

PCB-169L

PCB-180L

PCB-188L

QC Sample Results

| Lab Sample ID: LCS 410-4 Matrix: Water | 454387/2-A | | | | | Clie | nt Sai | nple ID | : Lab Cor Prep Ty | pe: Tot | al/NA |
|---|-----------------|-----------|----------|--------|-----------|----------|--------|---------|----------------------|---------|-------|
| Analysis Batch: 454840 | | | | | | | | | Prep Ba | atch: 4 | 64387 |
| | LCS | | | | | | | | | | |
| Isotope Dilution | %Recovery 64 | Qualifier | Limits | | | | | | | | |
| PCB-85L | 04 | | 40 - 145 | | | | | | | | |
| Lab Sample ID: LCSD 410 | -454387/3-A | | | | C | lient Sa | ample | ID: Lat | | Sample | a Dup |
| Matrix: Water | | | | | | | | | Prep Ty | | |
| Analysis Batch: 454840 | | | | | | | | | Prep Ba | | |
| | | | Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| 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 | | pg/L | | 78 | 77 - 133 | 2 | 20 |
| PCB-114 | | | 1000 | 887 | | pg/L | | 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 | | pg/L | | 81 | 74 - 133 | 9 | 20 |
| PCB-155 | | | 1000 | 1060 | | pg/L | | 106 | 69 - 126 | 3 | 20 |
| 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 |
| PCB-19 | | | 1000 | 895 | | pg/L | | 89 | 79 - 118 | 2 | 20 |
| PCB-202 | | | 1000 | 1050 | | pg/L | | 105 | 77 - 114 | 2 | 20 |
| 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 | 1 | 20 |
| PCB-3 | | | 1000 | 826 | | pg/L | | 83 | 64 - 123 | 2 | 20 |
| PCB-37 | | | 1000 | 850 | | pg/L | | 85 | 60 - 134 | 2 | 20 |
| PCB-4 | | | 1000 | 933 | | pg/L | | 93 | 62 - 128 | 1 | 20 |
| PCB-54 | | | 1000 | 886 | | pg/L | | 89 | 67 - 123 | 1 | 20 |
| PCB-77 | | | 1000 | 900 | | pg/L | | 90 | 75 - 113 | 0 | 20 |
| PCB-81 | | | 1000 | 963 | | pg/L | | 96 | 77 - 125 | 1 | 20 |
| | LCSD | LCSD | | | | | | | | | |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | | | |
| PCB-1L | 31 | | 15 - 145 | | | | | | | | |
| PCB-104L | 55 | | 40 - 145 | | | | | | | | |
| PCB-105L | 59 | | 15 - 145 | | | | | | | | |
| PCB-114L | 58 | | 40 - 145 | | | | | | | | |
| PCB-118L | 55 | | 40 - 145 | | | | | | | | |
| PCB-123L | 59 | | 40 - 145 | | | | | | | | |
| PCB-126L | 59 | | 40 - 145 | | | | | | | | |
| PCB-127L | 58 | | 40 - 145 | | | | | | | | |
| PCB-155L | 70 | | 40 - 145 | | | | | | | | |
| PCB-156L/157L | 66 | | 40 - 145 | | | | | | | | |
| PCB-167L | 63 | | 40 - 145 | | | | | | | | |

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40 - 145

40 - 145

40 - 145

63

71

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 |
|---|----------------------------------|----------|---|
| Isotope Dilution | LCSD LCSD %Recovery Qualifier | Limits | |
| 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 | 8 |
| PCB-208L | 75 | 40 - 145 | |
| PCB-209L | 81 | 40 - 145 | |
| PCB-3L | 38 | 15_145 | |
| 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 | |
| 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 | Ргер Туре | 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 | Prep Type | 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 |

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Job ID: 410-151123-1

| | ole ID: MP- 1: 11/10/23 0 | | | | | | Lat | o Sample ID: 4 | 410-151123-1 Matrix: Water |
|--|--|---|------------|--|--|--|--|--|--|
| te Received | | | | | | | | | |
| | Batch | Batch | | Dilution | Batch | | | Prepared | |
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed | |
| Total/NA | Prep | 1668C | | | 454387 | SJ7Z | ELLE | 12/14/23 23:57 | |
| Total/NA | Analysis | 1668C | | 1 | 454840 | AQ46 | ELLE | 12/17/23 08:15 | |
| lient Samp | le ID: MP | -2 | | | | | Lat | o Sample ID: 4 | 410-151123-2 |
| ate Collected | | | | | | | | | Matrix: Water |
| ate Received | : 11/10/23 1 | 6:03 | | | | | | | |
| | Batch | Batch | | Dilution | Batch | | | Prepared | |
| Prep Type | Туре | Method | Run | Factor | | Analyst | Lab | or Analyzed | |
| Total/NA | Prep | 1668C | | | 454387 | | ELLE | 12/14/23 23:57 | |
| Total/NA | Analysis | 1668C | | 1 | 454840 | AQ46 | ELLE | 12/17/23 09:32 | |
| Client Samp | | | | | | | Lab | o Sample ID: 4 | |
| Date Collected | | | | | | | | | Matrix: Water |
| ate Received | 1. 11/10/23 1 | 0.03 | | | | | | | |
| | Batch | Batch | | Dilution | Batch | | | Prepared | |
| | Туре | Method | Run | Factor | | Analyst | Lab | or Analyzed | |
| | ••• | | | | | A :=== | ELLE | 12/14/23 23:57 | |
| Prep Type Total/NA | Prep | 1668C | | | 454387 | SJ/Z | | 12/14/20 20:01 | |
| Prep Type Total/NA Total/NA | ••• | 1668C 1668C | | 1 | 454387 454840 | | ELLE | 12/17/23 10:49 | |
| Total/NA | Prep Analysis | 1668C | | 1 | | | ELLE | | 410-151123-4 |
| Total/NA Total/NA | Prep Analysis | 1668C - 4 | | 1 | | | ELLE | 12/17/23 10:49 | 410-151123-4 Matrix: Water |
| Total/NA Total/NA Client Samp Date Collected | Prep Analysis Die ID: MP 1: 11/10/23 0 | 1668C -4 9:10 | | 1 | | | ELLE | 12/17/23 10:49 | |
| Total/NA Total/NA | Prep Analysis Die ID: MP 1: 11/10/23 0 | 1668C -4 9:10 | | 1 Dilution | | | ELLE | 12/17/23 10:49 | |
| Total/NA Total/NA Client Samp Date Collected | Prep Analysis Die ID: MP 1: 11/10/23 0 1: 11/10/23 1 | 1668C -4 9:10 6:03 | Run | | 454840 Batch | | ELLE | 12/17/23 10:49 | |
| Total/NA Total/NA Client Samp Date Collected Date Received | Prep Analysis Die ID: MP 1: 11/10/23 0 1: 11/10/23 1 Batch | 1668C -4 9:10 6:03 Batch | Run | Dilution | 454840 Batch | AQ46 Analyst | ELLE | 12/17/23 10:49 D Sample ID: 4 Prepared | |
| Total/NA Total/NA Client Samp Date Collected Date Received Prep Type | Prep Analysis Die ID: MP 1: 11/10/23 0 1: 11/10/23 1 Batch Type | 1668C -4 9:10 6:03 Batch Method | Run | Dilution | 454840 Batch Number | AQ46 Analyst SJ7Z | Lab | 12/17/23 10:49 D Sample ID: 4 Prepared or Analyzed | |
| Total/NA Total/NA Client Samp Date Collected Date Received Prep Type Total/NA | Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis | 1668C -4 9:10 6:03 Batch <u>Method</u> 1668C 1668C | Run | Dilution Factor | 454840 Batch Number 454387 | AQ46 Analyst SJ7Z | ELLE Lab ELLE ELLE | 12/17/23 10:49 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 | Matrix: Water |
| Total/NA Total/NA Client Samp Date Collected Date Received Prep Type Total/NA Total/NA Client Samp Date Collected | Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis DIE ID: MP- 1: 11/10/23 0 | 1668C -4 9:10 6:03 Batch Method 1668C 1668C -5 9:32 | Run | Dilution Factor | 454840 Batch Number 454387 | AQ46 Analyst SJ7Z | ELLE Lab ELLE ELLE | 12/17/23 10:49 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 | Matrix: Water |
| Total/NA Total/NA Client Samp Date Collected Date Received Prep Type Total/NA Total/NA | Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis DIE ID: MP- 1: 11/10/23 0 | 1668C -4 9:10 6:03 Batch Method 1668C 1668C -5 9:32 | <u>Run</u> | Dilution Factor | 454840 Batch Number 454387 | AQ46 Analyst SJ7Z | ELLE Lab ELLE ELLE | 12/17/23 10:49 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 | Matrix: Water |
| Total/NA Total/NA Client Samp Date Collected Date Received Prep Type Total/NA Total/NA Client Samp Date Collected | Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis DIE ID: MP- 1: 11/10/23 0 | 1668C -4 9:10 6:03 Batch Method 1668C 1668C -5 9:32 | Run | Dilution Factor | 454840 Batch Number 454387 | AQ46 Analyst SJ7Z | ELLE Lab ELLE ELLE | 12/17/23 10:49 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 | Matrix: Water |
| Total/NA Total/NA Client Samp Date Collected Date Received Prep Type Total/NA Total/NA Client Samp Date Collected | Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 | 1668C -4 9:10 6:03 Batch Method 1668C 1668C -5 9:32 6:03 | Run | Dilution Factor | 454840 Batch Number 454387 454840 Batch | AQ46 Analyst SJ7Z | ELLE Lab ELLE ELLE | 12/17/23 10:49 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 D Sample ID: 4 | Matrix: Water |
| Total/NA Total/NA Client Samp Date Collected Date Received Total/NA Total/NA Client Samp Date Collected Date Received | Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch | 1668C -4 9:10 6:03 Batch Method 1668C 1668C -5 9:32 6:03 Batch | | Dilution Factor 1 Dilution | 454840 Batch Number 454387 454840 Batch | AQ46 Analyst SJ7Z AQ46 Analyst | Lab ELLE ELLE Lak | 12/17/23 10:49 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 D Sample ID: 4 Prepared | Matrix: Water |
| Total/NA Total/NA Client Samp Date Collected Date Received Total/NA Total/NA Client Samp Date Collected Date Received Prep Type | Prep Analysis DIE ID: MP- d: 11/10/23 0 l: 11/10/23 1 Batch Type Prep Analysis DIE ID: MP- d: 11/10/23 0 l: 11/10/23 1 Batch Type | 1668C -4 9:10 6:03 Batch Method 1668C 1668C -5 9:32 6:03 Batch Method | | Dilution Factor 1 Dilution | 454840 Batch Number 454387 454840 Batch Number | AQ46 Analyst SJ7Z AQ46 AQ46 Analyst SJ7Z | Lab ELLE ELLE Lab | 12/17/23 10:49 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 D Sample ID: 4 Prepared or Analyzed | Matrix: Water 410-151123-5 |
| Total/NA Total/NA Client Samp Date Collected Date Received Prep Type Total/NA Total/NA Client Samp Date Collected Date Received Prep Type Total/NA | Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis | 1668C -4 9:10 6:03 Batch Method 1668C 1668C -5 9:32 6:03 Batch Method 1668C 1668C 1668C 1668C | | Dilution Factor 1 Dilution Factor | 454840 Batch Number 454387 454840 Batch Number 454387 | AQ46 Analyst SJ7Z AQ46 AQ46 Analyst SJ7Z | ELLE Lab ELLE ELLE ELLE ELLE ELLE ELLE | 12/17/23 10:49 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 | Matrix: Water 410-151123-5 Matrix: Water |
| Total/NA Total/NA Client Samp Date Collected Date Received Total/NA Total/NA Client Samp Date Collected Date Received Prep Type Total/NA Total/NA Total/NA | Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis DIE ID: Fiel | 1668C -4 9:10 6:03 Batch Method 1668C 1668C -5 9:32 6:03 Batch Method 1668C 1668C 1668C d Blank | | Dilution Factor 1 Dilution Factor | 454840 Batch Number 454387 454840 Batch Number 454387 | AQ46 Analyst SJ7Z AQ46 AQ46 Analyst SJ7Z | ELLE Lab ELLE ELLE ELLE ELLE ELLE ELLE | 12/17/23 10:49 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 13:22 | Matrix: Water 410-151123-5 Matrix: Water |
| Total/NA Total/NA Client Samp Date Collected Date Received Prep Type Total/NA Total/NA Client Samp Date Collected Date Received Prep Type Total/NA Total/NA Total/NA Total/NA | Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis DIE ID: Fiel 1: 11/10/23 0 | 1668C -4 9:10 6:03 Batch Method 1668C 1668C -5 9:32 6:03 Batch Method 1668C 1668C 1668C 0 Batch 0 0 0 0 0 0 0 0 0 0 0 0 0 | | Dilution Factor 1 Dilution Factor | 454840 Batch Number 454387 454840 Batch Number 454387 | AQ46 Analyst SJ7Z AQ46 AQ46 Analyst SJ7Z | ELLE Lab ELLE ELLE ELLE ELLE ELLE ELLE | 12/17/23 10:49 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 13:22 | Matrix: Water 410-151123-5 Matrix: Water 410-151123-6 |
| Total/NA Total/NA Total/NA Client Samp Date Collected Date Received Total/NA Total/NA Client Samp Date Collected Date Received Total/NA Total/NA Total/NA Total/NA Total/NA | Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis DIE ID: Fiel 1: 11/10/23 0 | 1668C -4 9:10 6:03 Batch Method 1668C 1668C -5 9:32 6:03 Batch Method 1668C 1668C 1668C 0 Batch 0 0 0 0 0 0 0 0 0 0 0 0 0 | | Dilution Factor 1 Dilution Factor | 454840 Batch Number 454387 454840 Batch Number 454387 | AQ46 Analyst SJ7Z AQ46 AQ46 Analyst SJ7Z | ELLE Lab ELLE ELLE ELLE ELLE ELLE ELLE | 12/17/23 10:49 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 13:22 | Matrix: Water 410-151123-5 Matrix: Water 410-151123-6 |
| Total/NA Total/NA Total/NA Client Samp Date Collected Date Received Total/NA Total/NA Client Samp Date Collected Date Received Total/NA Total/NA Total/NA Total/NA | Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis DIE ID: MP- 1: 11/10/23 0 1: 11/10/23 0 1: 11/10/23 1 | 1668C -4 9:10 6:03 Batch Method 1668C 1668C -5 9:32 6:03 Batch Method 1668C 1668C 1668C 0 Batch 0 6:03 C 0 0 0 0 0 0 0 0 0 0 0 0 0 | | Dilution Factor 1 Dilution Factor 1 | 454840 Batch Number 454387 454840 Batch Batch | AQ46 Analyst SJ7Z AQ46 AQ46 SJ7Z AQ46 | ELLE Lab ELLE ELLE ELLE ELLE ELLE ELLE | 12/17/23 10:49 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 12:06 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 13:22 D Sample ID: 4 | Matrix: Water 410-151123-5 Matrix: Water 410-151123-6 |
| Total/NA Total/NA Total/NA Client Samp Date Collected Date Received Total/NA Total/NA Client Samp Date Collected Date Received Total/NA Total/NA Total/NA Total/NA Total/NA | Prep Analysis Die ID: MP- 1: 11/10/23 0 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis Die ID: MP- 1: 11/10/23 0 1: 11/10/23 0 1: 11/10/23 1 Batch Type Prep Analysis | 1668C -4 9:10 6:03 Batch Method 1668C 1668C -5 9:32 6:03 Batch Method 1668C 1668C 0 0 Batch 9:38 6:03 Batch 9:38 6:03 Batch | Run | Dilution Factor 1 Dilution Factor 1 Dilution | 454840 Batch Number 454387 454840 Batch Batch | AQ46 Analyst SJ7Z AQ46 SJ7Z AQ46 Analyst | Lab ELLE ELLE ELLE ELLE ELLE ELLE ELLE E | 12/17/23 10:49 D Sample ID: 4 or Analyzed 12/14/23 23:57 12/17/23 12:06 D Sample ID: 4 Prepared or Analyzed 12/14/23 23:57 12/17/23 13:22 D Sample ID: 4 Prepared | Matrix: Water 410-151123-5 Matrix: Water 410-151123-6 |

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

| Labo | ratory: | Eu | rofin | S | Lar | C | as | tei | r I | Laboratories | Ε | nviror | m | en | t T | est | ting | g, | LLC | |
|------|---------|----|-------|---|-----|---|----|-----|-----|--------------|---|--------|---|----|-----|-----|------|----|-----|--|
| | | | | | - | | | | | | | | | | | | | | | |

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

| Authority | Progr | am | Identification Number | Expiration Date |
|-----------------------|---|-------------------------------|---------------------------------------|-------------------------------------|
| A2LA | Dept. | of Defense ELAP | 0001.01 | 11-30-24 |
| 0, | s are included in this repo does not offer certificatior | | ot certified by the governing authori | ity. This list may include analytes |
| 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 | s |
| 1668C | 1668C | Water | Total Monochlorobipheny | ls |
| 1668C | 1668C | Water | Total Nonachlorobipheny | ls |
| 1668C | 1668C | Water | Total Octachlorobiphenyls | S |
| 1668C | 1668C | Water | Total Pentachlorobipheny | rls |
| 1668C | 1668C | Water | Total Tetrachlorobiphenyl | S |
| 1668C | 1668C | Water | Total Trichlorobiphenyls | |
| irginia | NELA | P | 460182 | 06-14-25 |
| The following analyte | s are included in this repo | ort, but the laboratory is no | ot certified by the governing authori | ity. This list may include analytes |
| 0, | does not offer certification | | | |
| Analysis Method | Prep Method | Matrix | Analyte | |
| 1668C | 1668C | Water | DCB Decachlorobiphenyl | |
| | | | | |

| Analysis Method | r rep metrioù | Maun | 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 | Progra | am | Identification Number Expiration Date | | | | | |
|-----------------|---|----------------|---|--|--|--|--|--|
| | s are included in this repo does not offer certification | | not certified by the governing authority. 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 | 1668C | Water Water | PCB-178 PCB-179 | | | | | |
| | 1668C | | | | | | | |
| 1668C 1668C | 1668C | Water Water | PCB-18/30 PCB-180/193 | | | | | |
| 1668C | 1668C | Water | PCB-180/193 PCB-181 | | | | | |
| 1668C | 1668C 1668C | Water | PCB-101 PCB-182 | | | | | |
| 1668C | | Water | PCB-182 PCB-183/185 | | | | | |
| | 1668C | Water | PCB-183/185 PCB-184 | | | | | |
| 1668C 1668C | 1668C 1668C | Water | PCB-164 PCB-186 | | | | | |
| | | | | | | | | |
| 1668C 1668C | 1668C 1668C | Water | PCB-187 | | | | | |

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

Job ID: 410-151123-1

11 12 13

| thority | Progra | am | Identification Number Expiration Date | | | | | |
|-----------------|---|--------|---|--|--|--|--|--|
| | s are included in this repo does not offer certification | - | not certified by the governing authority. This list may include analy | | | | | |
| Analysis Method | Prep Method | Matrix | Analyte | | | | | |
| 1668C | | Water | PCB-189 | | | | | |
| 1668C | 1668C | Water | PCB-19 | | | | | |
| 1668C | 1668C | Water | PCB-190 | | | | | |
| 1668C | 1668C | Water | PCB-191 | | | | | |
| 1668C | 1668C | Water | PCB-191 PCB-192 | | | | | |
| 1668C | 1668C | Water | PCB-194 | | | | | |
| 1668C | 1668C | Water | PCB-195 | | | | | |
| 1668C | 1668C | Water | PCB-196 | | | | | |
| 1668C | 1668C | Water | PCB-190 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-32 | | | | | |
| 1668C | 1668C | Water | PCB-35 | | | | | |
| 1668C | | | PCB-35 PCB-36 | | | | | |
| 1668C | 1668C | Water | PCB-30 PCB-37 | | | | | |
| | 1668C | Water | | | | | | |
| 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 1668C | Water | PCB-49/69 | | | | | |

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

1668C

1668C

Job ID: 410-151123-1

| ority | Progr | am | Identification Number Expiration Date | | | | | |
|-----------------|---|--------|---|--|--|--|--|--|
| | s are included in this repo does not offer certificatior | | 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 Dichlorobiphenyls | | | | | |
| 1668C | 1668C | Water | Total Heptachlorobiphenyls | | | | | |
| | | | · · · · | | | | | |

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

| Authority | Progra | am | Identification Number Expiration Date | |
|-----------------|---|----------------|---|------------|
| 0, | s are included in this repo does not offer certification | • | not certified by the governing authority. This list may includ | le analyte |
| Analysis Method | Prep Method | Matrix | Analyte | |
| 1668C | 1668C | Water | Total Monochlorobiphenyls | |
| | | 147.6 | To to UNIT to the Unit of the Constant of the | |
| 1668C | 1668C | Water | Total Nonachlorobiphenyls | |
| 1668C 1668C | 1668C 1668C | water Water | Total Nonachiorobiphenyis | |
| | | | | |
| 1668C | 1668C | Water | Total Octachlorobiphenyls | |

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 | JennyTolk | in the | Charles In 14 | Lab I Bro | wn, Nic | ole | | 410- | 15112 | 3 Chai | n of Cus | stody | | | | COC No 410-94732-26844_1 |
|--|---|--|------------------|----------------------------------|------------|--------------|-----------------------|----------|-----------|---------|---------------|-----------|----------|----------------------------|-----------------------------|--|
| Client Contact | Phone | | | E-Ma | ail | | | | | | | | | | - | Page: |
| Kiera Hearn | 301-9 | 92-45 | | Nico | ole Bro | wn@ | @et.eurofinsus.com VA | | | | Page 1 of 1 | | | | | |
| Company U.S. Army Corps of Engineers | | PWSID | | | | | Analysis Requested | | | | | | Job # | | | |
| Address | Due Date Request | ed: | · | | 1 T | T | TT | | | | | | | | 1 | Preservation Codes: |
| Attn: CENAB-EN_HI PO BOX 1715 | TAT 0 | | | | | | | | | | | | | | | A - HCL M - Hexane N - None |
| City Baltimore | TAT Requested (d | 5 | | | | | | | | | | | | | | B - NaOH C - Za Acetata O - AsNaO2 |
| State, Zip | | | | | | | | | | | | | | D - Nitric Acid D - Na2045 | | |
| MD, 21203-1715 Phone: | Compliance Project: Δ Yes Δ No | | | | - 11 | | | | | | | | | | | F - MeOH R - Na2S2O3 |
| Phone. | PO# W912DR23A 0003 / Req: W81W3G 3212413 | | | | 2 | | | | | | | | | | | H - Ascorbic Acid T - TSP Dodecahyd |
| Email: | WO #: | | | | N. C | | | | | | | | | | | I - Ice U - Acetone |
| kiera m hearn@usace army mil Project Name | DO/Call No. W912DR23F0260 Project # | | | | | Lers | | | | | | | | | ers | J - DI Water W - pH 4-5 K - EDTA Y - Trizma |
| JBMHH Supplemental PCB sampling | 41016190 | Sample Matrix Type Sestid (C=comp, Orwesterd) G=grab) BT-Tisse, Arker (E) | | | | | | | | | | | 1 | containers | L - EDA Z - other (specify) | |
| Site. | SSOW# | SSOW# | | | | | | | | | | | | | | Other: |
| Joint Base Myer - Handorson Holl | | | | | d Sa | - PCB | | | | | | | | | er of | |
| | | | Sample | Matrix | Filtered S | 1668C_DOD5 - | | | | | | | | | Total Number | |
| | | Sample | Type (C≃comp, | (W=water, S=solid, | d Fil | | | | | | | | | | I NC | |
| Sample Identification | Sample Date | Time | | O-waste/oil, BT=Tissue, A=Air | Field | 1666 | | | | | | | | | Tota | Special Instructions/Note |
| | \sim | \succ | Preserva | tion Code: | XX | N | | | | | | | | | X | |
| MP-1 | 11/10/23 | 09:25 | Cr | 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 | | | | | | | | | | |
| MP-4 | 11/10/23 | 09:10 | G | Water | N | ~ | | | | | | | | | | |
| MP-5 | 11/10/23 | 07:32 | G | Water | N | V | | | | | | | | | | |
| Field Blank | 11/10/23 | 09:38 | G | Water | M | V | | | | | | | | | | |
| | | | | Water | | 1 | | | | | | | | | | |
| | | | | Water | ++ | | + $+$ | | | | ++ | | + | _ | | |
| | | | | vvater | ++ | - | +-+ | | _ | | \rightarrow | | \vdash | _ | | |
| | | | | Water | | | | | | | | | | | | |
| | | | | Water | | | | | | | | | | | | |
| | | | | | 11 | 1 | | | | | | | | | | |
| Possible Hazard Identification | 1 | 1 | <u> </u> | | - Si | amol | le Disp | osal (| A fee | nav be | 1 255655 | ed if si | moles | are ri | etaine | ed longer than 1 month) |
| | Poison B 🛄 Unki | nown | Radiologica | 1 | | Ľ, | Return | To Cli | ent | |] Dispos | al By La | ab | | | ive For Months |
| Deliverable Requested: I, II, III, IV, Other (specify) | | | | | S | pecia | I Instru | ctions | QC Re | quirem | ents: | , | | | | |
| Empty Kit Relinguished by | | Date: | | | Time | | - | | | | I | lethod of | Shipmer | nt | | |
| Relinquished by | Date/Time | | | Company | | _ | ceived by | | | | | | Date/Ti | | _ | Company |
| Edin Herrand | Date/Time /2 | 10 | :35 | - surprise y | | | | | | | | | | | | Company |
| Relinquished by Chris Willy | Date/Time 11/10/2 | | | Company | ELON | Rec | ceived by | - | | | | | Date/T | me | | Company |
| Relinguished by | Date/Time | - 14 | | Company | 1201 | | ceived by | 2 | - | - | | | Date/T | mel | | Company |
| | | | | | | | Û | L | e | - | 2 | | 21/1 | ola. | 3 | . 16:03 FILE |
| Custody Seals Intact: Custody Seal No.: | 104/19 | 2200 | 0 | | | Cod | oler Temp | perature | (s) °C ar | d Other | Remarks: | C. | d'- | -3. | 91 | 1:0-4.0 |
| | | | | | | _ | | | | _ | | | | ~ · | | C c) (1/16/2019 |

14

Login Sample Receipt Checklist

Client: U.S. Army Corps of Engineers

| Louin Oomul | | |
|---|---|----|
| Login Sample | e Receipt Checklist | |
| Client: U.S. Army Corps of Engineers | Job Number: 410-151123-1 | |
| Login Number: 151123 | st Source: Eurofins Lancaster Laboratories Environment Testing, LLC | |
| List Number: 1 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 or tampered with. | r True | |
| Samples were received on ice. | True | 8 |
| Cooler Temperature acceptable, where thermal pres is required (= frozen).</td <td>6C, not True</td> <td>9</td> | 6C, not True | 9 |
| Cooler Temperature is recorded. | True | |
| WV:Container Temp acceptable, where thermal pres is required (<td>=6C, not N/A</td> <td></td> | =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 t | he COC. True | 13 |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | 15 |
| Appropriate sample containers are used | True | |

| 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 | |

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Appendix I – Long Branch Detention Basin Drainage Area Inspection Form

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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.

| | N | ote of tł | ne fo | prese ollowii N): | nce ng | |
|--|-----------|--------------|----------|--------------------------------|--|--|
| 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: