APPENDIX Q

2023 RHMP FISH BIOACCUMULATION STUDY

2023 SAN DIEGO REGIONAL HARBOR MONITORING PROGRAM

FISH BIOACCUMULATION STUDY

Submitted to:

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Sustainability & Innovation
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San Diego, CA 92101

And Partner Agencies:
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Port of San Diego
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ACRONYMS AND ABBREVIATIONS

>	greater than
<	less than
≤	less than or equal to
µg/g	microgram(s) per gram (parts per million)
%	percent
±	plus or minus
Amec Foster Wheeler	Amec Foster Wheeler Environment & Infrastructure, Inc.
ATL	advisory tissue level
Bight ’18	Southern California Bight 2018 Regional Monitoring Program
Bight ’23	Southern California Bight 2023 Regional Monitoring Program
Bight Program	Southern California Bight Regional Monitoring Program
BOG	Bioaccumulation Oversight Group
BSAF	biota to sediment accumulation factor
CDFW	California Department of Fish and Wildlife
cm	centimeter(s)
COPC	contaminant or chemical of potential concern
CRM	certified reference material
CTL	critical tissue level
DDT	dichlorodiphenyltrichloroethane
DEQ	Oregon Department of Environmental Quality
DQO	data quality objective
dw	dry weight
EFSA	European Food Safety Authority
FCG	fish contaminant goal
GCMS	gas chromatography–mass spectrometry
km	kilometer(s)
km^2	square kilometer(s)
KUD	kernel utilization distribution
LCS	laboratory control sample
LDC	Laboratory Data Consultants, Inc.
LOEC	lowest observed effect concentration
MDL	method detection limit
mm	millimeter(s)
MPA	Marine Protected Area
ng/g	nanogram(s) per gram (parts per billion)
NOEC	no observed effect concentration
OEHHA	Office of Environmental Health Hazard Assessment
oz	ounce(s)
PAH	polycyclic aromatic hydrocarbon

ACRONYMS AND ABBREVIATIONS (continued)

PCB	polychlorinated biphenyl
PFAS	per- and polyfluoroalkyl substances
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonic acid
Physis	Physis Environmental Laboratories, Inc.
ppb	part(s) per billion
ppm	part(s) per million
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
RecFin	Pacific Recreational Fisheries Information Network
RHMP	Regional Harbor Monitoring Program
San Diego Regional Harbors	Dana Point Harbor, Oceanside Harbor, Mission Bay, and San Diego Bay
SCCWRP	Southern California Coastal Water Research Project
SD	standard deviation
SDRWQCB	San Diego Regional Water Quality Control Board
SERDP	Department of Defense Strategic Environmental Research and Development Program
SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
SM	Standard Method
SOA	Spatial Optimization Analysis
SQO	sediment quality objective
STEW	Safe to Eat Workgroup
SWAMP	Surface Water Ambient Monitoring Program
SWRCB	California State Water Resources Control Board
TMDL	Total Maximum Daily Load
TOC	total organic carbon
TRV	toxicity reference value
USFWS	United States Fish and Wildlife Service
USEPA	United States Environmental Protection Agency
Wood	Wood Environment & Infrastructure Solutions, Inc.
WSP	WSP USA Inc.
ww	wet weight

1.0 INTRODUCTION

The primary purpose of this study is to address the core monitoring question of whether the fish are safe to eat in the San Diego Regional Harbors, which include Dana Point Harbor, Oceanside Harbor, Mission Bay, and San Diego Bay. To evaluate this question, concentrations of select bioaccumulative contaminants of concern were measured in tissues from resident pelagic and benthic fishes collected during the 2023 San Diego Regional Harbor Monitoring Program (RHMP). This supplementary special study to the core RHMP monitoring effort evaluates concentrations of contaminants in fish tissues relative to established human health consumption thresholds, the spatial and temporal relationships of contaminants in fish tissues and their association with local sediment concentrations, and provides a screening-level ecological risk assessment based on applicable tissue residue effects guideline values. This report supplements additional recent studies that have had a more in-depth focus on bioaccumulative contaminants in the San Diego Regional Harbors in fish and other trophic levels in the food web as they relate to both human and ecological risk (Davis et al., 2012; Bay et al., 2016; Amec Foster Wheeler Environment & Infrastructure, Inc. [Amec Foster Wheeler], 2017a and 2017b; Wood Environment & Infrastructure Solutions, Inc. [Wood], 2019, and Bay and Parks, 2020).

1.1 Background of the 2023 RHMP

The RHMP provides a comprehensive survey of the quality of water, sediments, and aquatic life on a 5-year cycle in four southern California embayments in the San Diego region: Dana Point Harbor, Oceanside Harbor, Mission Bay, and San Diego Bay. The RHMP was developed in response to a July 24, 2003, request by the San Diego Regional Water Quality Control Board (SDRWQCB) under Section 13225 of the California Water Code to determine whether beneficial uses are being attained and protected in these four major embayments. The RHMP is composed of a core monitoring program and supplementary focused special studies, such as the one reported in this document. The 2023 RHMP was designed to address five core questions from the SDRWQCB's Section 13225 letter:

1. What are the contributions and spatial distributions of inputs of pollutants to the harbors?
2. Do the waters and sediments in the harbors sustain healthy biota?
3. What are the long-term trends in water and sediment quality in the harbors?
4. Are the waters in the harbors safe for body contact activities?
5. Are fish in the harbors safe to eat?

Questions 1 through 3 are addressed in the final 2023 RHMP Core Monitoring Report (WSP USA Inc. [WSP], 2026a), and Question 4 is addressed in a supplemental standalone report (WSP, 2026b). Information supporting Question 5 regarding human fish consumption is provided in this report. To address this question, this report provides comparisons of measured chemicals in fish tissue to fish consumption guidelines published by the California Office of Environmental Health Hazard Assessment (OEHHA). Note that these values are guidelines only and this report should not be used, nor was designed, to provide a human health risk assessment. Please consult OEHHA directly for specific guidance related to human health risk related to the consumption of sport fish: https://oehha.ca.gov/fish/advisories.

Fish tissues were analyzed for a suite of organochlorine pesticides, polycyclic aromatic hydrocarbons (PAHs), per- and polyfluoroalkyl substances (PFAS), polychlorinated biphenyls (PCBs), arsenic, mercury, selenium, and percentage of lipids. These data will be used to compare tissue contaminant concentrations over time, although it should be noted that sufficient data are not currently available for a robust statistical analysis or modeling effort to accurately assess trends for individual species or locations. The data may also be used to help fulfill data gaps identified in the State of California Sediment Quality Objective (SQO) Decision Support Tool to evaluate the relationship between contaminants in fish tissue and sediments and associated human health risk.

1.2 Study Purpose

The goal of this study is to provide context to better understand both the risk to human health from the consumption of fish in the San Diego Regional Harbors and ecological risk based on measured tissue concentrations. Assessment of sediment chemistry along with bioaccumulation of contaminants of potential concern (COPCs) in tissues provides a better understanding of the connection between sediment quality and bioaccumulative compounds measured in fish tissues. Bioaccumulative compounds such as chlordane, dichlorodiphenyltrichloroethanes (DDTs), dieldrin, PAHs, PFAS, and PCBs, and certain metals such as arsenic, mercury, and selenium are known to accumulate and magnify through the food web. Previous efforts, including the RHMP and State of California Surface Water Ambient Monitoring Program (SWAMP) in 2008 (reported in Davis et al., 2012), 2013 RHMP (Amec Foster Wheeler, 2017b), the City of San Diego Shallow Water Habitat Survey of San Diego Bay (Amec Foster Wheeler, 2017a), a special study to evaluate organochlorine pesticides in fish in San Diego Bay (Wood, 2019; Bay and Parks, 2020), and the 2018 RHMP (Wood, 2021a) have collectively quantified levels of PCBs and mercury in fish from the San Diego Regional Harbors at concentrations high enough to exceed certain conservative human consumption guidance values.

This study focused on addressing the following specific primary questions:

1. Are the fish in the harbors safe to eat[1]?
2. Do the levels of contaminants within tissues from resident fish species exceed levels of potential concern for ecological effects?
3. Is a relationship present between contaminants within the RHMP harbor sediments and resident fish species?
4. How do the contaminant concentrations within harbor sediments and tissues from resident species vary among the four harbors?

[1] To address this question this report provides comparisons of measured chemicals in fish tissue to fish consumption guidelines published by the California Office of Environmental Health Hazard Assessment (OEHHA). Note that these values are guidelines only and this report should not be used, nor was designed, to provide a human health risk assessment. Please consult OEHHA directly for specific guidance related to human health risk related to the consumption of sportfish: https://oehha.ca.gov/fish/advisories.

1.3 Harbor Characteristics

Dana Point Harbor, Oceanside Harbor, Mission Bay, and San Diego Bay are harbors within the San Diego region, each with unique characteristics. Their geography and current and historical uses all have considerable influence on water and sediment quality conditions. Each harbor supports a variety of critical habitats and associated wildlife, as well as commercial and recreational activities and, in the case of San Diego Bay, industrial activities and national security (the United States Navy). A more detailed description of each harbor is provided in the associated RHMP Core Monitoring Report (WSP, 2026a).

1.4 Historical Bioaccumulation Investigations in RHMP Embayments

As described in Section 1.2, there have been several efforts focused on evaluating the risk of bioaccumulative contaminants to both humans and wildlife in Southern California over the past 15 years, including the following:

- *Contaminants in Fish from the California Coast, 2009–2010: Summary Report on a Two-Year Screening Survey* (Davis et al., 2012)
- Southern California Bight Regional Monitoring Program and RHMP Sampling Efforts in 2013 and 2018 (McLaughlin et al., 2020; Amec Foster Wheeler, 2017b; Wood, 2021a).
- *Assessment of Bioaccumulation in San Diego Bay* (Bay et al., 2016)
- *Aquatic Food Web Bioaccumulation Study of San Diego Bay* (Amec Foster Wheeler, 2017a)
- *San Diego Bay Fish Consumption Study* (Steinberg and Moore, 2017)
- *Occurrence and Bioaccumulation of Dissolved Organochlorines in San Diego Bay* (Bay and Parks, 2020)

A conceptual food web model for the San Diego Regional Harbors referenced in many of these studies is included as Figure 1-1. The three primary bioaccumulation pathways evaluated as part of the 2023 RHMP effort include: (1) the risk to humans from consuming contaminated fish; (2) the risk to fish directly based on their measured tissue concentrations; and (3) the potential risk to fish-eating birds based on select toxicity reference values derived for piscivorous (fish-eating) birds utilizing San Diego Bay.

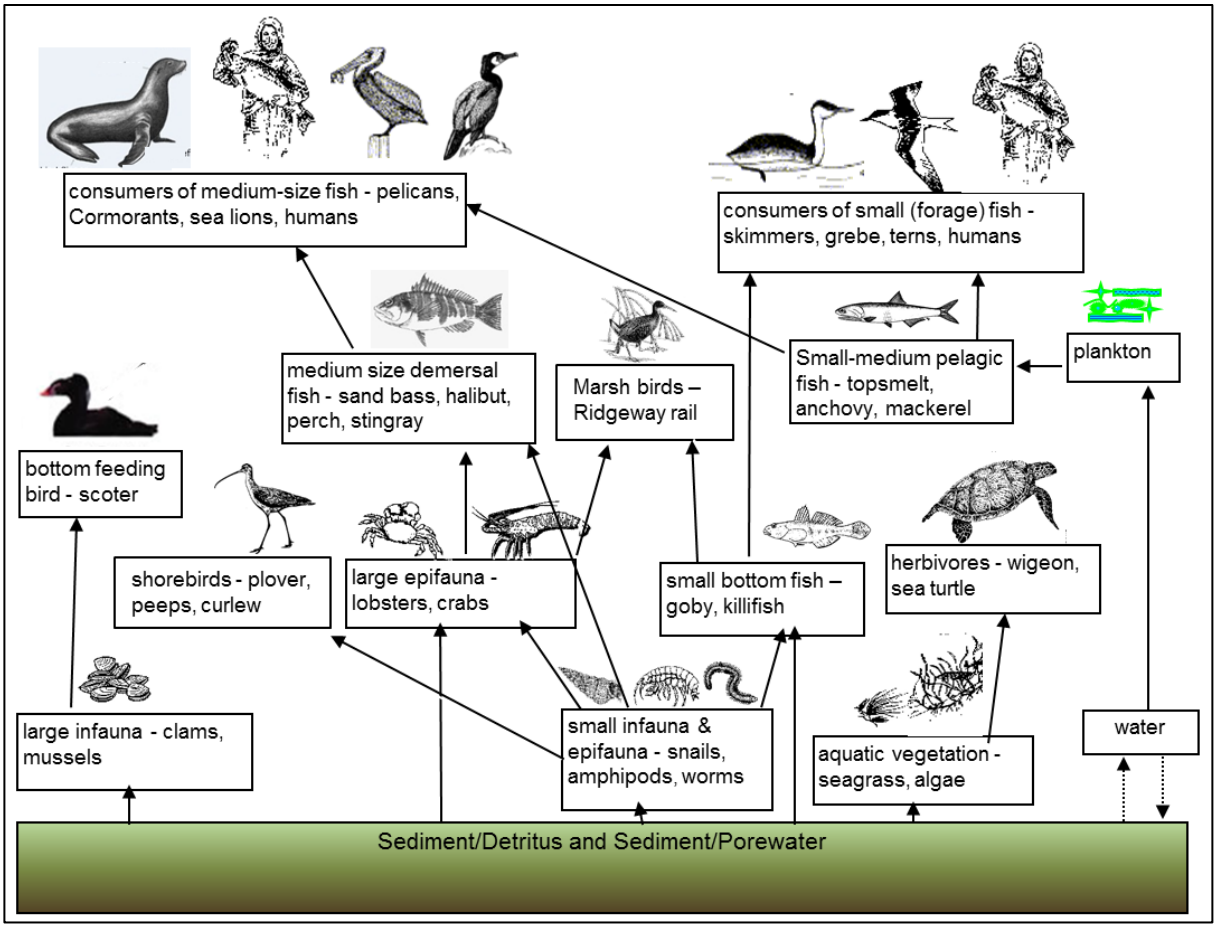


Figure 1-1. Conceptual Food Web Model for the San Diego Regional Harbors

Courtesy of Southern California Coastal Water Research Project (SCCWRP)
(Assessment of Bioaccumulation in San Diego Bay; Bay et al., 2016)

2.0 MATERIALS AND METHODS

2.1 Project Location and Sampling Design

This study is a focused examination of the extent and magnitude of bioaccumulation of contaminants in sport fish within embayments in the San Diego region. Sediment, water, and tissue samples were collected during the 2023 RHMP by WSP between August 3 and September 9, 2023, with additional hook and line effort to capture target species between September 2023 and February 2024. The locations of the 75 sediment and water sampling stations and 15 trawl stations were designated using a probability-based, stratified random sampling approach that was fully integrated into the Southern California Bight 2023 Regional Monitoring Program (Bight '23). Sediment sampling and benthic trawl stations were selected by the Southern California Coastal Water Research Project (SCCWRP) in accordance with the Bight '23 Sediment Quality Assessment Workplan (SCCWRP, 2023c). Detailed sampling methodology is described in the RHMP Core Monitoring Report (WSP, 2026a).

The selection criteria for target fish species were outlined in the 2023 RHMP Work Plan (WSP, 2023b) and accounted for the high diversity of species, variation in habitat type and quality, variation in contamination, and variation in ecological attributes of indicator species. The following criteria were used to select target species:

1. **Popular for consumption.** This was the primary factor in selecting fish species. Data on recreational fish catch data were collated from the Pacific Recreational Fisheries Information Network (RecFIN), a product of the Pacific States Marine Fisheries Commission, which integrates State and Federal marine recreational fishery sampling efforts (RecFIN, 2020). Surveys of local subsistence fishermen also provided insight into target species (Allen et al., 1996, Steinberg and Moore, 2017) for San Diego Bay.
2. **Widely distributed.** Range of preferred species extended the length of the Southern California Bight, with occurrence in all four RHMP embayments to facilitate spatial comparisons.
3. **Representative of different exposure pathways.** Both benthic and pelagic feeders were included.
4. **Continuity with previous monitoring efforts** to facilitate comparability with existing monitoring programs.

Two species were selected as primary target species, while fourteen additional species were selected as secondary targets. Primary targets included spotted sand bass (*Paralabrax maculatofasciatus*) and topsmelt (*Atherinops affinis*) as these species are usually caught across all embayments, represent benthic and pelagic feeding guilds, and are species commonly used in human health and ecological risk assessments under the SQO framework outlined in Chapter IV.A.2 of the *Water Quality Control Plan for Enclosed Bays and Estuaries of California, Sediment Quality Provisions* (Beegan and Faick, 2018).

Secondary species included shiner surfperch (*Cymatogaster aggregata*), white surfperch (*Phanerodon furcatus*), California halibut (*Paralichthys californicus*), yellowfin croaker (*Umbrina roncador*), black croaker (*Cheilotrema saturnum*), queenfish (*Seriphus politus*), white seabass (*Atractoscion nobilis*), barred sand bass (*Paralabrax nebulifer*), kelp bass (*Paralabrax clathratus*), round ray (*Urobatis spp.*), Pacific barracuda (S*phryaena argentea*), Pacific chub mackerel (*Scomber japonicus*), jacksmelt (*Atherinopsis californiensis*), and slough anchovy (*Anchoa delicatissima*).

2.2 Sample Collection and Analysis

Sediment and tissue samples were collected in accordance with the 2023 RHMP Work Plan (WSP, 2023b). Methods for sediment chemistry sample collection were also consistent with the Bight ’23 guidelines in the Bight ’23 Sediment Quality Assessment Field Operations Manual (SCCWRP, 2023b) and Bight ’23 Quality Assurance Manual (SCCWRP, 2023a). Tissue sample processing procedures were consistent with the methodology in the Bioaccumulation Work Plan prepared for the Bight ’18 Program (Bioaccumulation Oversight Group [BOG], 2018) and the 2023 RHMP Work Plan (WSP, 2023b).

2.2.1 Sediment Sampling and Analysis and Comparison to Fish Tissue Concentrations

The primary focus of this report is on the COPCs in fish tissue; however, historical efforts have included an additional evaluation to examine the relationship between COPCs in fish tissue and that in the associated sediment using the biota to sediment accumulation factor (BSAF). The 2013 and 2018 RHMP bioaccumulation efforts showed that BSAFs result in a relatively simple model that does not fully account for all modes of exposure outside of contact with sediment such as prey consumption, exposure to dissolved and particulate-bound COPCs in the water column through gill ventilation, and sediment-associated porewater (Port of San Diego and City of San Diego, 2025). BSAFs also do not account for potential confounding factors (e.g., site-specific sediment characteristics and/or organism age, diet, home range, physiology, or feeding location [Bay et al., 2016]); however, BSAFs are still used as a component to explore the relationship between tissue and sediment concentrations according to the Sediment Quality Provisions (Beegan and Faick, 2018). These provisions include methods to assess the linkage between sediments and fish tissue for an assessment of human health risk due to consumption of fish in accordance with the SQO Phase II indirect effects approach. BSAFs were not calculated for the 2023 effort reported herein due to the high variability and subsequent challenges interpreting these data during prior efforts. However, sediment data are still summarized in Section 3.1 to provide relative spatial comparisons of exposure potential and relationships with fish tissue concentrations across the RHMP embayments.

To account for varying foraging areas of target sport fish, a minimum site assessment area of 1 square kilometer (km^2) is recommended (Beegan and Faick, 2018). Based on this guidance combined with the areas sampled for fish tissue in 2023, sediment chemistry data was averaged across large survey zones that characterized Dana Point Harbor, Oceanside Harbor, and Mission Bay as single separate assessment areas, while San Diego Bay was divided into two assessment areas north and south of the Coronado Bay Bridge. Sediment quality data from both the 2018 and 2023 RHMP were combined to provide a more robust dataset for comparison. For North San Diego Bay, the high number of replicates within Shelter Island Yacht Basin (5 stations in 2018

and 4 stations in 2023) were averaged prior to inclusion in the final area composite average to avoid overweighting this area compared with the larger survey zone. This approach captures the likelihood that fish travel over large areas and may be exposed to a range of sediment conditions within each survey zone.

Sediment sampling location maps for the 2018 and 2023 RHMPs are provided in Appendix A. Detailed descriptions of collection procedures for sediments and criteria for acceptable samples are provided in the 2023 RHMP Work Plan (WSP, 2023b). Sediment samples were collected using a 0.1-square-meter Tandem Van Veen grab sampler, and sample acceptability was determined based on sample condition and depth of penetration of the grab. An acceptable grab for sediment chemistry was characterized by an even surface with minimal disturbance and little or no leakage of overlying water, and a penetration depth of at least 5 centimeters (cm).

Samples were collected from the top 5 cm of sediment using a stainless-steel scoop that was decontaminated between collections. Sediment in contact with or within 1 cm of the metal sides of the grab was avoided to prevent sample contamination. Sediment subsamples from each grab were homogenized prior to analysis by Physis Environmental Laboratories, Inc. (Physis). Physical parameters and chemical analytes measured in sediments discussed in this report are provided in Table 2-1. Complete analytical results can be found in the 2023 RHMP Core Monitoring Report (WSP, 2026a).

Table 2-1. Chemical Analyses of Sediment Samples Collected During the 2023 RHMP

Analyte	Analysis Method	Sediment Target Reporting Limit [a]	Units
Total Organic Carbon (TOC)	USEPA 9060	0.01	%
Arsenic (As)	USEPA 6020	0.05	µg/g
Mercury (Hg)	USEPA 245.7	0.02	ng/g
Selenium (Se)	USEPA 6020	0.05	µg/g
Chlorinated Pesticides [b]	USEPA 8270E	0.5–20	ng/g
Polycyclic Aromatic Hydrocarbons (PAHs) [c]	USEPA 8270E	5.0	ng/g
Polychlorinated Biphenyl (PCB) Congeners [d]	USEPA 8270E	0.25	ng/g
Per- and Polyfluoroalkyl Substances (PFAS) [e]	USEPA 1633	1.0	ng/g

Notes:
a. Sediment target reporting limits provided by Physis Environmental Laboratories, Inc. are on a dry-weight basis.
b. Includes *2,4'-DDD, 2,4'-DDE, 2-4'-DDT, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, alpha-chlordane, gamma-chlordane, cis-nonachlor, oxychlordane, trans-nonachlor, dieldrin,* 4,4'-DDMU, aldrin, BHC-alpha, BHC-beta, BHC-delta, BHC-gamma, DCPA, Dicofol, endosulfan sulfate, endosulfan-I, endosulfan-II, endrin, endrin aldehyde, endrin ketone, heptachlor, heptachlor epoxide, hexachlorobenzene, methoxychlor, mirex, perthane, and toxaphene. This list includes all chlorinated pesticides measured in the sediment. Those in *italics* were the focus of this report and were used for comparison to tissue.
c. Includes acenaphthene, acenaphthylene, anthracene, benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[e]pyrene, benzo[g,h,i]perylene, benzo[k]fluoranthene, biphenyl, chrysene, dibenz[a,h]anthracene, dibenzothiophene, fluoranthene, fluorene, indeno(1,2,3-c,d)pyrene, naphthalene, perylene, phenanthrene, pyrene, 2,6-dimethylnaphthalene, 1-methylnapthalene, 2-methylnapthalene, 1-methylphenanthrene, and 1,6,7-trimethylnaphthalene.
d. Includes congeners: PCB-3, 5, 8, 15, 18, 27, 28, 29, 31, 33, 37, 44, 49, 52, 56(60), 66, 70, 74, 77, 81, 87, 95, 97, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 137, 138, 141, 149, 151, 153, 156, 157, 158, 167, 168+132, 169, 170, 174, 177, 180, 183, 187, 189, 194, 195, 199(200), 201, 203, 206, and 209. Note that while not included here, analysis of all 209 congeners would provide a more accurate representation of total PCBs in sediments.
e. Includes perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA).
µg/g = microgram(s) per gram; ng/g = nanogram(s) per gram; % = percent; USEPA = United States Environmental Protection Agency

2.2.2 Analysis of Tissue Samples

A total of 75 tissue samples representing commonly captured fish species in the RHMP harbors were collected and analyzed for COPCs related to human and ecological health. As recommended by the OEHHA (2022), analyses for human health were performed on skin-off filet muscle tissue for large fish species, while for smaller species (slough anchovy, jacksmelt, topsmelt, shiner surfperch, and white surfperch), the entire organism was analyzed after removal of the head, tail, and internal organs. Round rays were analyzed using their wings only. Analyses for ecological risk used the whole fish. For species that used the same fish for both human health and ecological risk, the skin-off filet was analyzed separately from the head, tail, organs (offal), and carcass. The mass of each portion of the fish was noted during dissection and composite preparation to allow for calculation of the whole-body concentration by using the ratio of the muscle tissue weight to the carcass and offal weight and adding the concentrations together.

Upon collection, each fish was tagged with a unique identification number and measured for total length (longest length from tip of tail fin to tip of nose/mouth), fork length (longest length from tail fork to tip of nose/mouth), and weight. Dissection and compositing of tissue samples was performed following OEHHA guidance (OEHHA, 2022) at Physis. Three composite samples per species were targeted per fishing zone. Five specimens were targeted per composite sample. Specimens of legal size or larger were preferred but not required for human health analysis. A list of analytes measured in fish tissues is provided in Table 2-2.

Table 2-2. Chemical Analyses of Tissue Samples Collected During the 2023 RHMP

Analyte	Analysis Method	Tissue Target Reporting Limit [a]	Units
Percent Solids	SM 2540B	0.1	%
Percent Lipids	Gravimetric	0.05	%
Arsenic	USEPA 6020	0.05	µg/g
Mercury	USEPA 245.7	0.02	ng/g
Selenium	USEPA 6020	0.05	µg/g
Chlorinated Pesticides [b]	USEPA 8270E	0.2–10	ng/g
Polycyclic Aromatic Hydrocarbons (PAHs) [c]	USEPA 8270E	5.0	ng/g
Polychlorinated Biphenyl (PCB) Congeners [d]	USEPA 8270E	1.0	ng/g
Per- and Polyfluoroalkyl Substances [e]	USEPA 1633	1.0	ng/g

Notes:
a. Tissue target reporting limits provided by Physis Environmental Laboratories, Inc. are on a wet-weight basis.
b. Includes *2,4'-DDD, 2,4'-DDE, 2-4'-DDT, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, alpha-chlordane, gamma-chlordane, cis-nonachlor, oxychlordane, trans-nonachlor, dieldrin,* 4,4'-DDMU, aldrin, BHC-alpha, BHC-beta, BHC-gamma, DCPA, Dicofol, endosulfan sulfate, endosulfan-I, endosulfan-II, endrin, endrin aldehyde, endrin ketone, heptachlor, heptachlor epoxide, methoxychlor, mirex, and perthane. This list includes all chlorinated pesticides measured in the tissues. Those in *italics* were the focus of this report. Data for the remaining pesticides are included for reference in the laboratory reports provided in Appendix C.
c. Includes acenaphthene, acenaphthylene, anthracene, benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[e]pyrene, benzo[g,h,i]perylene, benzo[k]fluoranthene, biphenyl, chrysene, dibenz[a,h]anthracene, dibenzothiophene, fluoranthene, fluorene, indeno(1,2,3-c,d)pyrene, naphthalene, perylene, phenanthrene, pyrene, 2,6-dimethylnaphthalene, 1-methylnapthalene, 2-methylnapthalene, 1-methylphenanthrene, and 1,6,7-trimethylnaphthalene.
d. Includes congeners: PCB-3, 5, 8, 15, 18, 27, 28, 29, 31, 33, 37, 44, 49, 52, 56/60, 66, 70, 74, 77, 81, 87, 95, 97, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 132/168, 137, 138, 141, 149, 151, 153, 156, 157, 158, 167, 169, 170, 174, 177, 180, 183, 187, 189, 194, 195, 199, 201, 203, 206, and 209. Note that while not performed here, using all 209 congeners would provide a more accurate representation of total PCBs in tissues.
e. Includes perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA).
µg/g = microgram(s) per gram; ng/g = nanogram(s) per gram; % = percent; SM = Standard Method; USEPA = United States Environmental Protection Agency

2.3 Quality Control

Each batch of analyses included quality control (QC) samples to ensure proper laboratory method performance. The QC methodology followed Quality Assurance Project Plan (QAPP) guidelines used during Bight '23 (SCCWRP, 2023a) and RHMP (WSP, 2023a).

Analytical data were reviewed for QC performance by Physis and WSP. In addition, third-party data review was performed by Laboratory Data Consultants, Inc. (LDC). This third-party review included Level II validation of 100% of chemistry results for priority pollutants only[2] and Level IV validation of 10% of chemistry results (excluding PFAS). QC sample results not meeting the control limits were flagged and investigated to determine the need for corrective action.

2.4 Data Analysis

2.4.1 Contaminant Reporting

Tissue concentrations of total mercury and organic analytes are reported in parts per billion (ppb) as nanograms per gram (ng/g) wet weight (ww). Tissue concentrations of arsenic and selenium are reported in parts per million (ppm) as micrograms per gram (µg/g) ww. Sediment chemistry results are reported on a dry weight (dw) basis, either as µg/g dw for arsenic and selenium, or ng/g dw for mercury and organics.

Total concentrations of organic contaminant classes (chlordanes, DDTs, PAHs, and PCBs) were calculated as the sum of all detected analytes within the class. In cases where all class components were not detected in a sample, the sum value was represented by one-half of the highest method detection limit (MDL) of any of the class components when plotting graphs and performing statistical analyses. Similarly, one-half of the MDL was used for individual compounds (e.g., dieldrin, PFOS, PFOA) that were not detected.

For comparative purposes, tissue chemical concentration data were also lipid normalized to quantify biomagnification and bioaccumulation in the food web across species types excluding lipids as a confounding factor.

2.4.2 Feeding Guilds

To evaluate the role of trophic position and diet on bioaccumulation of COPCs in fish tissue, each species was assigned to a feeding guild. The guilds were determined using previous work in San Diego Bay (Bond et al., 1999) and diet information from Love (2011). Feeding guilds were assigned as follows:

- Forage Fish – Planktivores: Forage species that feed exclusively on plankton.
- Forage Fish – Mesocarnivores: Forage species that feed on plankton but may also eat fish.

[2] Priority pollutants for tissue included arsenic, mercury, selenium, PAHs, chlorinated pesticides, and PCB congeners.

- Predator Fish – Invertebrates: Fish species that prey on benthic invertebrates such as crabs, shrimp, brittle stars, copepods, isopods, amphipods, mysids, polychaetes, bryozoans, clams (and their siphons), barnacles, and mussels.
- Predator Fish – Mesocarnivores: Fish species that prey on benthic invertebrates as a significant component of their diet, in addition to fishes. Some species in this category, such as California halibut, may have shifting diets with preference by age, whereby older individuals are more reliant on fishes but also consume benthic invertebrates.

2.4.3 Human Health Risk Evaluation

Recognizing that fish provide significant nutritional benefits while also serving as an exposure pathway for several COPCs, California OEHHA developed Advisory Tissue Levels (ATLs) to provide consumption recommendations that are designed "to promote the overall health of the fish consumer. ATLs provide a number of recommended fish servings that correspond to the range of contaminant concentrations found in fish and are used to provide consumption advice to prevent consumers from being exposed to more than the average daily reference dose for non-carcinogens or to a risk level greater than $1x10^{-4}$ for carcinogens (not more than one additional cancer case in a population of 10,000 people consuming fish at the given consumption rate over a lifetime). ATLs are designed to encourage consumption of fish that can be eaten in quantities likely to provide significant health benefits, while discouraging consumption of fish that, because of contaminant concentrations, should not be eaten or cannot be eaten in the amount recommended for improving overall health (as eight-ounce [oz] servings, prior to cooking, per week)" (OEHHA, 2008). Table 2-3 provides ATLs for the number of servings per week (adapted from OEHHA 2008, updated ATLs table 2017). Fish tissue concentrations for mercury, selenium, total chlordane, total DDTs, dieldrin, and total PCBs are compared to ATL thresholds to assess relative risk of contaminant bioaccumulation to fish consumers in the Southern California Bight. For mercury, the more restrictive thresholds are used (ATLs for women ages 18 to 45 and children ages 1 to 17). As an example, if a fish species was found to have tissue mercury concentrations of 550 ng/g ww, young women and children should not consume that species; however, women over 45 and men may consume that species but not more than one 8-oz serving per week.

The OEHHA Fish Contaminant Goals (FCGs; in ppb wet weight; see Table 2-3) are estimates of contaminant levels in fish that pose no significant health risk to individuals consuming sport fish at a standard consumption rate of eight oz per week (32 g/day), prior to cooking, over a lifetime. FCGs prevent consumers from being exposed to more than the daily reference dose for non-carcinogens or to a risk level greater than $1x10^{-6}$ for carcinogens (not more than one additional cancer case in a population of 1,000,000 people consuming fish at the given consumption rate over a lifetime). FCGs are based solely on public health considerations without regard to the counterbalancing benefits of fish consumption (OEHHA, 2008).

PFOS and PFOA are still undergoing evaluation for human health risks, and there are currently no widely accepted regulatory standards for marine fishes in California. For the purposes of this report, the 2025 Great Lakes Consortium for Fish Consumption Advisories Best Practice for PFOS Guidelines were used for human health risk assessment (Table 2-4). Similar to the OEHHA ATLs, these guidelines consider both the risks of PFOS exposure and the health benefits of fish consumption. Information on the toxicological effects of PFOA are extremely limited; therefore, the human health risk assessment in this report focused on PFOS.

Table 2-3. Fish Contaminant Goals (FCGs) and Fish Advisory Tissue Levels (ATLs) for Selected Contaminants

Contaminant	Fish Contaminant Goal (ng/g ww)	ATLs for the Number of 8-ounce servings per week* (in ng/g ww)							
		7	6	5	4	3	2	1	Do not consume
Mercury (Women 18-45; children 1-17)	220	≤ 31	31–36	36–44	44–55	55–70	70–150	150–440	> 440
Mercury (Women > 45; men)		≤ 94	94–109	109–130	130–160	160–220	220–440	440–1,310	> 1,310
Selenium	7,400	≤ 1,000	1,000–1,200	1,200–1,400	1,400–1,800	1,800–2,500	2,500–4,900	4,900–15,000	> 15,000
PCB	3.6	≤ 9	9–10	10–13	13–16	16–21	21–42	42–120	> 120
Chlordane	5.6	≤ 80	80–90	90–110	110–140	140–190	190–280	280–560	> 560
DDT	21	≤ 220	220–260	260–310	310–390	390–520	520–1,000	1,000–2,100	> 2,100
Dieldrin	0.46	≤ 7	7–8	8–9	9–11	11–15	15–23	23–46	> 46

Notes:
*Thresholds for concern based on assessment of human health cancer or non-cancer risk assuming an 8-ounce (227g) serving size per week prior to cooking (OEHHA 2008, updated 2017).
[+] There are no ATLs for arsenic, PAHs, or PFAS.
> = greater than; ≤ less than or equal to; ATL = advisory tissue level; FCG = fish contaminant goal; ng/g = nanogram(s) per gram; ww = wet weight

Table 2-4. 2025 PFOS Best Practice Fish Consumption Guidelines for All Populations (Great Lakes Consortium, 2025)

PFOS in Fish Filet (ng/g ww)	Meal Frequency
0–2.5	4 or more meals per week
> 2.5–5.0	2 meals per week
> 5.0–10	1 meal per week
> 10–40	1 meal per month
> 40	Do not consume

Notes:
> = greater than; ng/g = nanogram(s) per gram; PFOS = perfluorooctane sulfonate; ww = wet weight

2.4.4 Ecological Risk Evaluation

Widely applicable nationwide ecological risk tissue screening levels are not available for bioaccumulative COPCs because of the importance of site-specific environmental conditions, site-specific food web relationships, and species specificity with regard to bioaccumulation and documented effects. However, ecological risk-based screening values are available from a variety of sources that were reviewed for this report. Wildlife risk was evaluated using whole body concentrations that include the filet, skin of the filet, carcass, and offal.

Applicable sources reviewed are listed below and ecological risk tissue screening levels referenced are presented in Table 2-5.

- United States Fish and Wildlife Service (USFWS): *Ecological risk-based screening levels for contaminants in sediments of San Diego Bay* (Zeeman, 2004).
- USFWS: *Initial wildlife risk-based screening levels for contaminants in tissue of aquatic biota of San Diego Bay* (Zeeman, 2016).
- Oregon Department of Environmental Quality (DEQ): *Guidance for assessing bioaccumulative chemicals of concern in sediment* (Oregon DEQ, 2007).
- San Francisco Bay Regional Water Quality Control Board (SFBRWQCB): Total Maximum Daily Load (TMDL) for PCBs in San Francisco Bay, Resolution No. R2-2008-0012 (SFBRWQCB, 2008).
- SFBRWQCB: TMDL for Selenium in North San Francisco Bay, Resolution No. R2-2015-0048 (SFBRWQCB, 2015).
- Department of Defense Strategic Environmental Research and Development Program (SERDP): *Development of Toxicity Reference Values (TRVs) for Birds Exposed to PFOS, PFOA and Associated Mixtures of Fluorinated Compounds* (SERDP, 2021).
- United States Environmental Protection Agency (USEPA): *Final Recommended Aquatic Life Criteria and Benchmarks for Select PFAS* (USEPA, 2024).

While a number of sources were reviewed, note that this is not an exhaustive list of the latest available ecological threshold values and associated studies; however, these references are currently cited for various programs and used for regulatory decision-making on the United States West Coast.

Table 2-5. Ecological Risk Screening Levels Applicable to RHMP Embayments

Source	Endpoint	Total Chlordanes (ng/g ww)	Total DDTs (ng/g ww)	Total Dieldrin (ng/g ww)	Total PAHs (ng/g ww)	PFOS and PFOA (ng/g ww)	Total PCBs (ng/g[1])	Mercury (ng/g[1])	Selenium (µg/g[1])
Zeeman, 2004	NOEC for piscivorous wildlife	--	--	--	--	--	4,400 dw	--	--
	LOEC for piscivorous wildlife	--	--	--	--	--	25,500 dw	200 dw	--
Zeeman, 2016	NOEC for birds in San Diego Bay consuming invertebrates or fish	196–1,006	11–57	--	362–1,855 (LPAHs), 18–90 (HPAHs)	--	110–566 ww	4.9–25.2 ww (all species)	--
	LOEC for birds in San Diego Bay consuming invertebrates or fish	8,578–44,025	33–170	--	5,797–29,748 (LPAHs), 1,752–8,994 (HPAHs)	--	1,556–7,987 ww	12.3–62.9 ww (most sensitive receptors[2]), 221–1,132 ww (mid-range[2])	--
Oregon DEQ, 2007	CTL in fish, shellfish, or marine aquatic organisms	56	54	56	--	--	930 ww[3]	180 ww	0.34 ww
	ATL for birds	1,200	48 (osprey)	44	--	--	--	74 ww	0.23 ww
	ATL for mammals	3,300	--	--	--	--	880 ww[3]	--	0.036 ww
SFBRWQCB, 2008	Numeric fish tissue target protective of wildlife and human health	--	--	--	--	--	10 ww[4]	--	--
SFBRWQCB, 2015	Numeric fish tissue target protective of wildlife and human health	--	--	--	--	--	--	--	8.0 dw (whole body), 11.3 dw (muscle tissue)
SERDP, 2021	Chronic toxicity in Japanese quail	--	--	--	--	250 (PFOS)	--	--	--
USEPA, 2024	Chronic toxicity in freshwater whole fish	--	--	--	--	201 (PFOS), 6,490 (PFOA)	--	--	--

Notes:
1 – Dry weight and wet weight are indicated separately for each source.
2 – Indicates the range of species within each avian feeding guild
3 – Reported as total Aroclors
4 – Reported as congeners or Aroclor mixtures
µg/g = microgram(s) per gram; -- = none available; ATL = advisory tissue level; CTL = critical tissue level; DDT = dichlorodiphenyltrichloroethane; DEQ = Department of Environmental Quality; dw = dry weight; LOEC = lowest observed effect concentration; ng/g = nanogram(s) per gram; NOEC = no observed effect concentration; PAH = polycyclic aromatic hydrocarbon; PCB = polychlorinated biphenyl; PFOA = perfluorooctanoic acid; PFOS = perfluorooctane sulfonate; SERDP = Department of Defense Strategic Environmental Research and Development Program; SFBRWQCB = San Francisco Bay Regional Water Quality Control Board; USEPA = United States Environmental Protection Agency; ww = wet weight

3.0 RESULTS

The results for the 2023 RHMP Fish Bioaccumulation Study are organized as follows:

- **Section 3.1** summarizes sediment quality conditions averaged by sampling region.
- **Section 3.2** summarizes fish capture locations and catch from each region.
- **Section 3.3** discusses special considerations related to fish movement.
- **Section 3.4** provides a summary of tissue concentrations by chemical class. This section includes comparisons to human health and ecological risk thresholds.
- **Section 3.5** includes a focused discussion of the spatial variability of tissue concentrations in primary target species (topsmelt and bass).
- **Section 3.6** summarizes human health screening level exceedances across the San Diego Regional Harbors.
- **Section 3.7** compares historical fish tissue concentrations recorded over the past 15 years for the San Diego Regional Harbors.
- **Section 3.8** summarizes findings from the quality assurance and quality control (QA/QC) review of the tissue chemistry data.

3.1 Sediment Chemistry

Sediment chemistry data from the 2018 and 2023 RHMP were averaged for the five survey areas using methods described in Section 2.2.1. Mean sediment concentrations for each chemical class are presented in Table 3-1. Figures 3-1 and 3-2 show the full range of values as individual points, the area average as bars, and one standard deviation from the mean as whiskers.

Differences in sediment chemistry between harbors were assessed using a Kruskal-Wallis ANOVA with Dunn's multiple comparisons test for pairwise analysis (Figures 3-1 and 3-2). Sediment concentrations were transformed using a log(y+1) transformation prior to statistical analyses to lessen variance and normalize the distribution of the data. For each parameter, results from the global, one-way ANOVA test are presented in graphs.

Significant differences between harbors were observed for total organic carbon (TOC), mercury, selenium, total DDTs, total PAHs, and total PCBs[3] in the sediment. While there were statistical differences between harbors for DDTs, the high number of non-detects combined with several elevated concentrations within San Diego Bay regions resulted in subtle differences among regional averages. There were no statistically significant differences between harbors for arsenic, total chlordanes, PFOA, or PFOS in the sediment. Dieldrin was not detected in any sediment samples during the 2018 and 2023 RHMP.

[3] Note that the average total PCB concentration for Oceanside Harbor excludes station B18-10069. This station was determined to be a statistical outlier using Grubb's test due to an extremely high concentration of PCBs (5,348 ng/g dw). While this station is representative of the heterogeneity of sediment chemistry within embayments, the inclusion of B18-10069 would increase the area average by 200x due to the small sample size (n=8 stations), which is not indicative of the general conditions encountered within much of the harbor.

Table 3-1. Average Sediment Concentrations of COPCs by Survey Area (2018 and 2023 RHMP Combined)

Harbor	TOC (% dw)	Total Chlordanes (ng/g dw)	Total DDTs (ng/g dw)	Dieldrin (ng/g dw)	Total PAHs (ng/g dw)	PFOS [a] (ng/g dw)	PFOA [a] (ng/g dw)	Total PCBs [b] (ng/g dw)	Arsenic (µg/g dw)	Mercury (ng/g dw)	Selenium (µg/g dw)
Dana Point Harbor	0.84	0.409	2.21	ND	360	ND	ND	3.86	7.86	45.9	0.636
Oceanside Harbor	0.92	0.125	2.36	ND	232	ND	ND	3.28	9.17	179	0.476
Mission Bay	1.52	3.20	0.863	ND	442	0.527	ND	2.31	8.68	86.9	0.538
North San Diego Bay	0.58	1.48	1.13	ND	1693	0.396	0.587	32.5	6.76	470	0.328
South San Diego Bay	0.88	2.85	5.32	ND	940	0.426	0.034	24.1	7.44	262	0.350

Notes:
a. PFOA and PFOS were only measured in a subset of samples during the 2023 RHMP (n=44).
b. Total PCB concentrations are a sum of the following 62 congeners: PCB-3, 5, 8, 15, 18, 27, 28, 29, 31, 33, 37, 44, 49, 52, 56(60), 66, 70, 74, 77, 81, 87, 95, 97, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 137, 138, 141, 149, 151, 153, 156, 157, 158, 167, 168+132, 169, 170, 174, 177, 180, 183, 187, 189, 194, 195, 199(200), 201, 203, 206, and 209.
Average total PCB concentration for Oceanside Harbor excludes station B18-10069. This station was determined to be a statistical outlier using Grubb's test due to an extremely high concentration of PCBs (5,348 ng/g dw). While this station is representative of the heterogeneity of sediment chemistry within embayments, the inclusion of B18-10069 would increase the area average by 200x due to the small sample size (n=8 stations), which is not indicative of the general conditions encountered within much of the harbor.
µg/g = microgram(s) per gram; % = percent; dw = dry weight; ng/g = nanogram(s) per gram; PAH = polycyclic aromatic hydrocarbon; PCB = polychlorinated biphenyl; PFOA = perfluorooctanoic acid; PFOS = perfluorooctane sulfonic acid

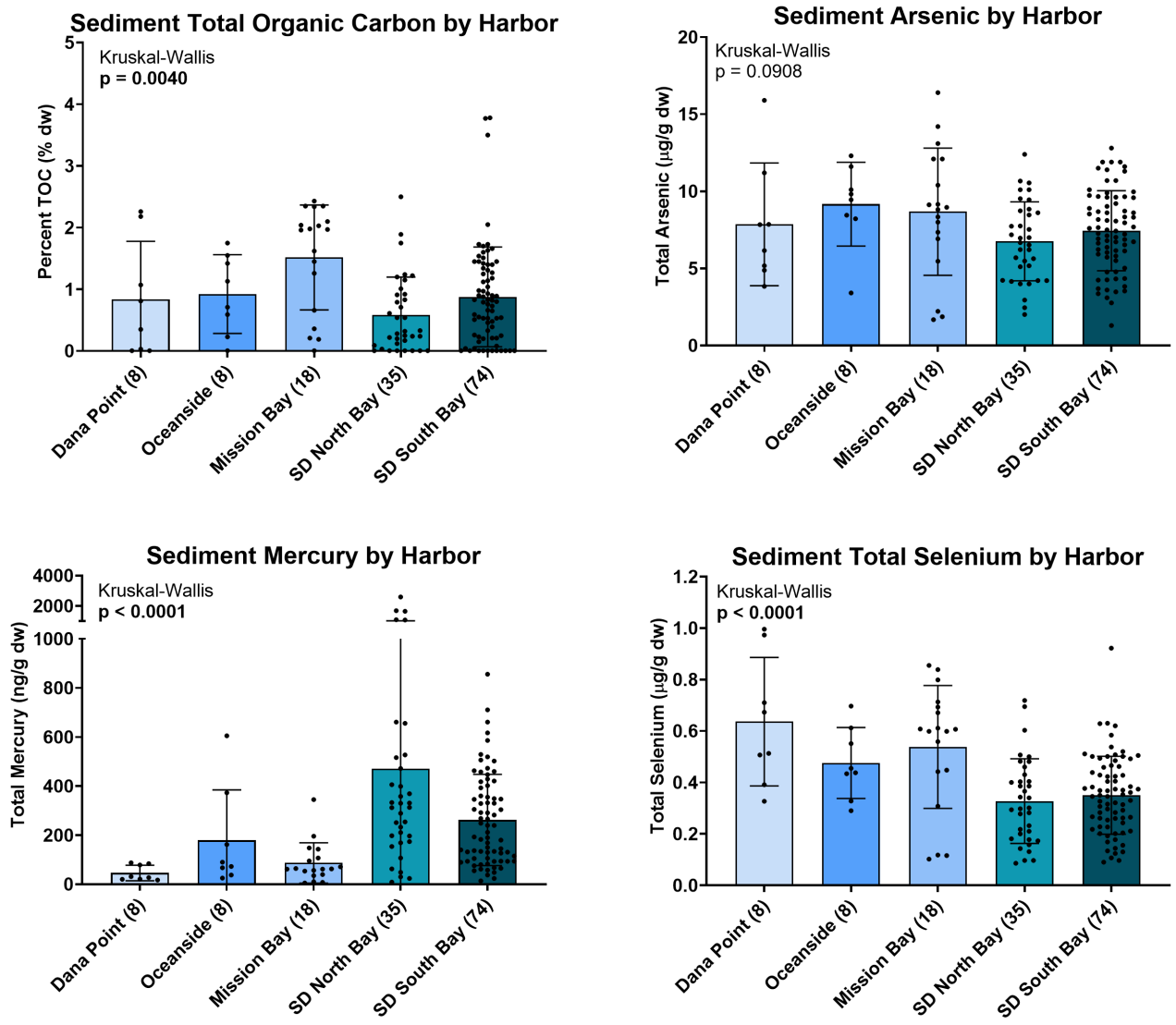


Figure 3-1. Total Organic Carbon, Arsenic, Mercury, and Selenium Concentrations in Sediment by Harbor

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$). Sediment concentrations were transformed using a log(y+1) transformation prior to statistical analyses.*

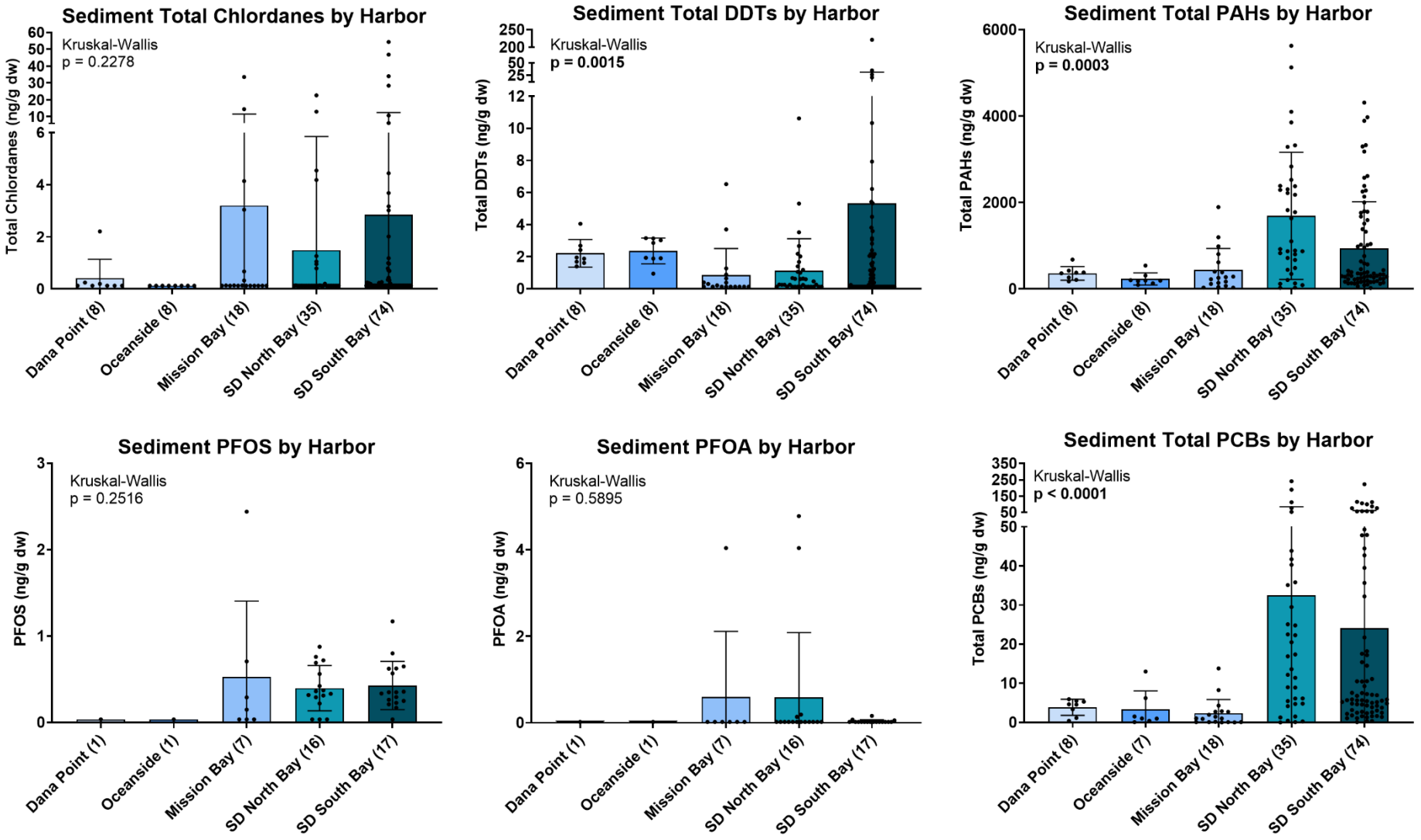


Figure 3-2. Total Chlordane, Total DDT, Total PAH, PFOS, PFOA, and Total PCB Concentrations in Sediment by Harbor

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$). Sediment concentrations were transformed using a log(y+1) transformation prior to statistical analyses.*

Total PCB concentrations are a sum of the following 62 congeners: PCB-3, 5, 8, 15, 18, 27, 28, 29, 31, 33, 37, 44, 49, 52, 56(60), 66, 70, 74, 77, 81, 87, 95, 97, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 137, 138, 141, 149, 151, 153, 156, 157, 158, 167, 168+132, 169, 170, 174, 177, 180, 183, 187, 189, 194, 195, 199(200), 201, 203, 206, and 209.
Station B18-10069 within Oceanside Harbor was excluded from PCB analysis after identification as a statistical outlier by Grubb's test (5,348 ng/g dw).

3.2 Fish Capture Locations and Catch Summary

Information on the number and size ranges of fish used for each tissue composite from the 2023 sampling effort is summarized in Table 3-2, with additional information on individual fish and collection locations in Appendix B. Maps showing the 2023 RHMP trawl locations and collection areas from hook and line and cast net fishing efforts are shown in Figures 3-3 through 3-8.

The WSP team captured a total of 468 fish representing 16 species between August 2023 and February 2024 using benthic otter trawls, hook and line, and cast nets. A total of 75 tissue composites were analyzed, including 35 composites designated for human health risk assessment and 40 composites for ecological risk assessment.

Table 3-2. Fish Composite Summary

Harbor	Common Name	Species	Total Fish	Size Range (Total Length in mm)	Human Health Composites	Ecological Risk Composites
Dana Point Harbor	Barred Sand Bass	*Paralabrax nebulifer*	3	210–270	1	1
	California Halibut	*Paralichthys californicus*	2	260–270	1	NA
	Shiner Surfperch	*Cymatogaster aggregata*	6	110–120	NA	1
	Topsmelt	*Atherinops affinis*	18	110–170	1	1
	White Surfperch	*Phanerodon furcatus*	5	140–182[a]	1	1
Oceanside Harbor	Kelp Bass	*Paralabrax clathratus*	3	240–270	1	1
	Shiner Surfperch	*Cymatogaster aggregata*	10	120–130	1	1
	Spotted Sand Bass	*Paralabrax maculatofasciatus*	5	260–340	2	2
	Topsmelt	*Atherinops affinis*	16	60–70	1	1
	White Seabass	*Atractoscion nobilis*	3	400–430	1	NA
	White Surfperch	*Phanerodon furcatus*	4	190–240	1	1
Mission Bay	Barred Sand Bass	*Paralabrax nebulifer*	4	150–170	NA	1
	California Halibut	*Paralichthys californicus*	3	150–230	1	NA
	Kelp Bass	*Paralabrax clathratus*	3	140–150	NA	1
	Round Ray	*Urobatis* spp.	5	240–300	1	NA
	Spotted Sand Bass	*Paralabrax maculatofasciatus*	14	260–340	3	3
	Shiner Surfperch	*Cymatogaster aggregata*	11	70–80	NA	1
	Topsmelt	*Atherinops affinis*	102	65–165	2	2
	White Surfperch	*Phanerodon furcatus*	2	220–240	1	1
San Diego Bay - North	Barred Sand Bass	*Paralabrax nebulifer*	3	150–180	NA	1
	California Halibut	*Paralichthys californicus*	5	190–230	1	NA
	Jacksmelt	*Atherinopsis californiensis*	7	238–320	2	1
	Pacific Chub Mackerel	*Scomber japonicus*	3	266–309	1	1
	Queenfish	*Seriphus politus*	6	130–170	NA	1
	Spotted Sand Bass	*Paralabrax maculatofasciatus*	13	220–380	3	3
	Topsmelt	*Atherinops affinis*	18	133–210	1	2
San Diego Bay - South	Barred Sand Bass	*Paralabrax nebulifer*	9	150–190	NA	2
	Black Croaker	*Cheilotrema saturnum*	7	180–250	1	1
	Round Ray	*Urobatis* spp.	5	270–290	1	NA
	Shiner Surfperch	*Cymatogaster aggregata*	22	80–100	NA	2
	Slough Anchovy	*Anchoa delicatissima*	99	50–70[a]	2	2
	Spotted Sand Bass	*Paralabrax maculatofasciatus*	14	190–330	2	3
	Yellowfin Croaker	*Umbrina roncador*	4	150–170	NA	1
	Pacific Barracuda	*Sphryaena argentea*	3	535–610	1	NA
	Topsmelt	*Atherinops affinis*	31	115–200	1	1
Total			**468**	**--**	**35**	**40**

Notes:
a. Represents standard length; mm = millimeter(s); NA = not applicable

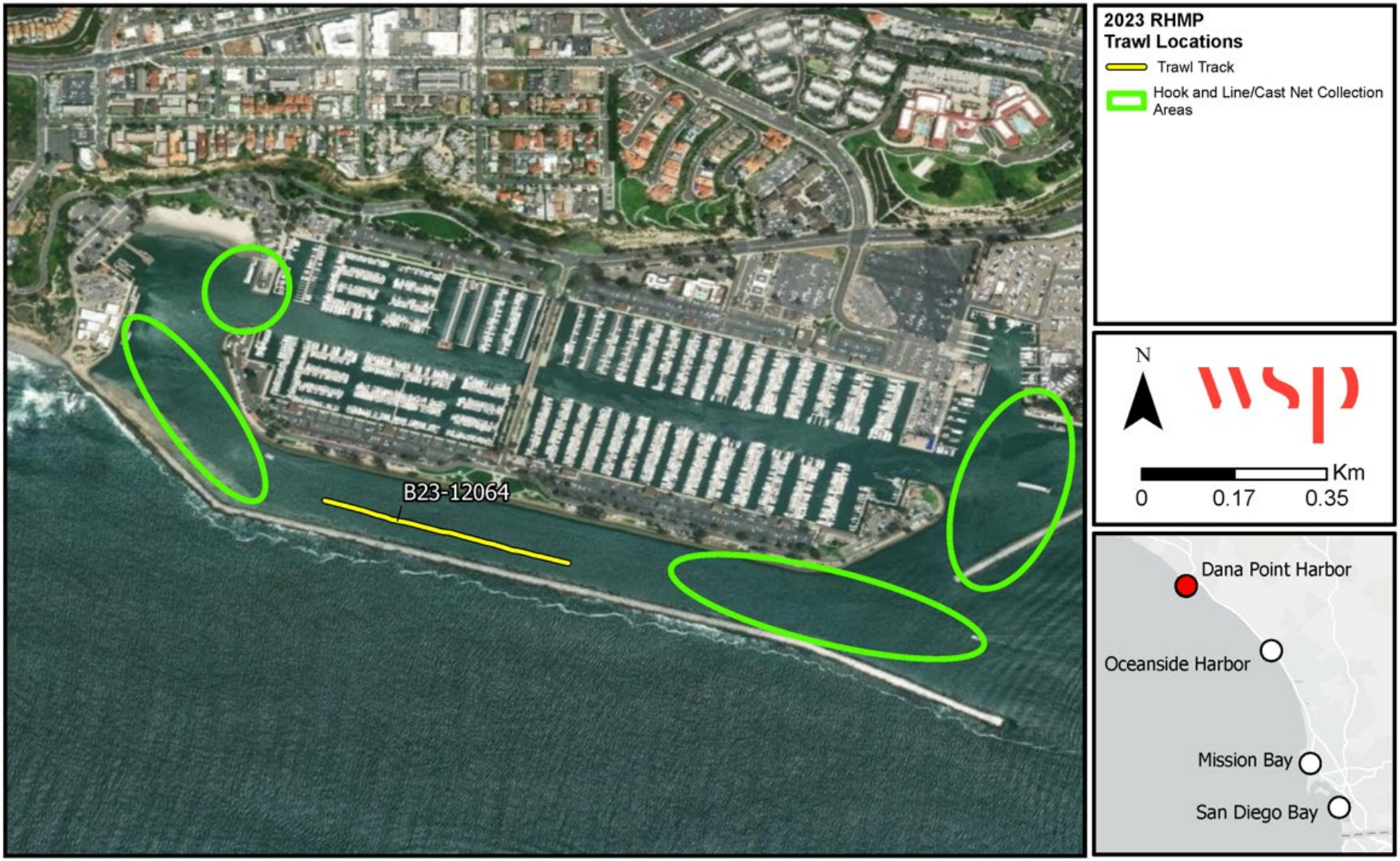


Figure 3-3. 2023 RHMP Trawl Locations and Hook and Line/Cast Net Fish Collection Areas in Dana Point Harbor



Figure 3-4. 2023 RHMP Trawl Locations and Hook and Line/Cast Net Fish Collection Areas in Oceanside Harbor

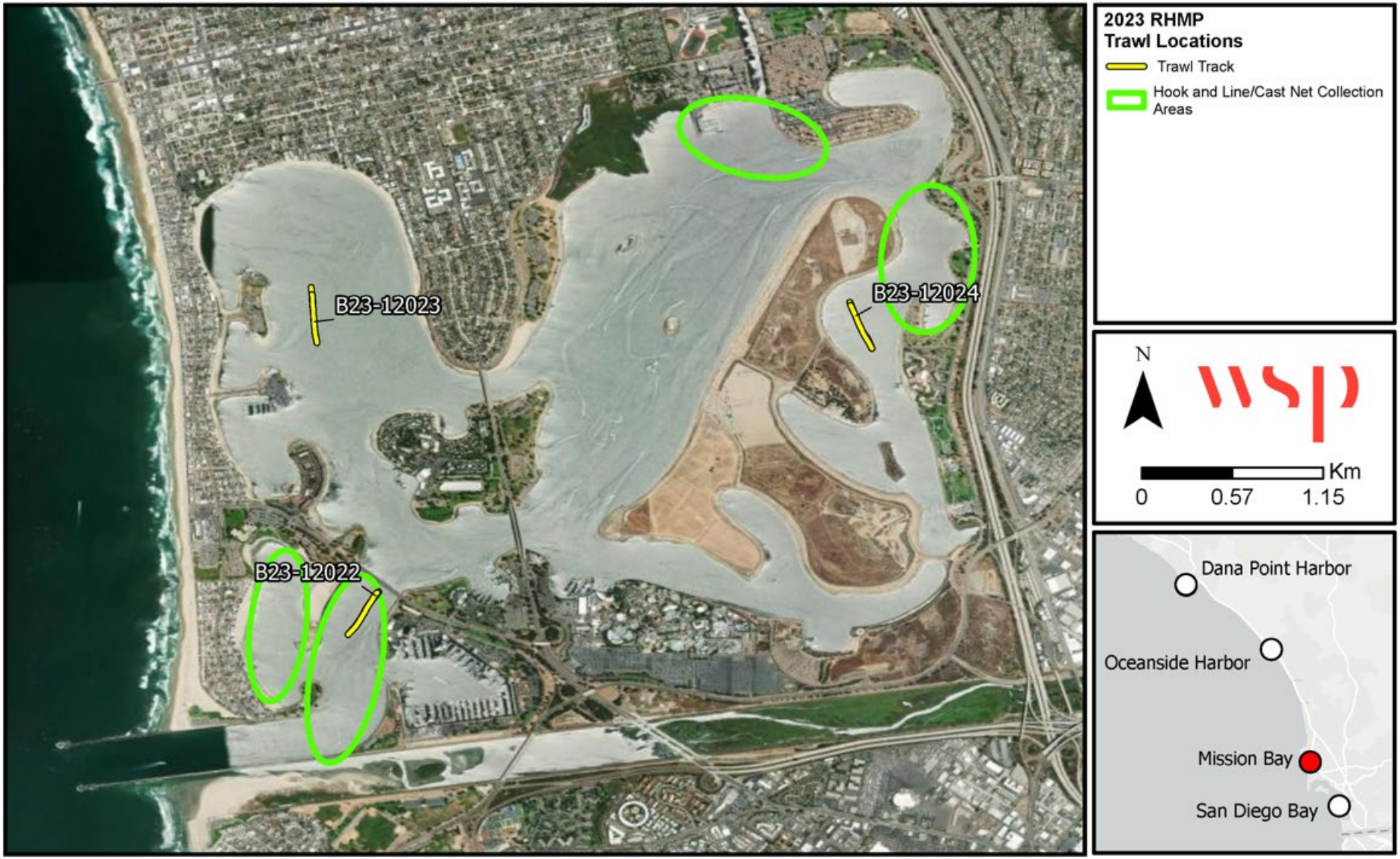


Figure 3-5. 2023 RHMP Trawl Locations and Hook and Line/Cast Net Fish Collection Areas in Mission Bay

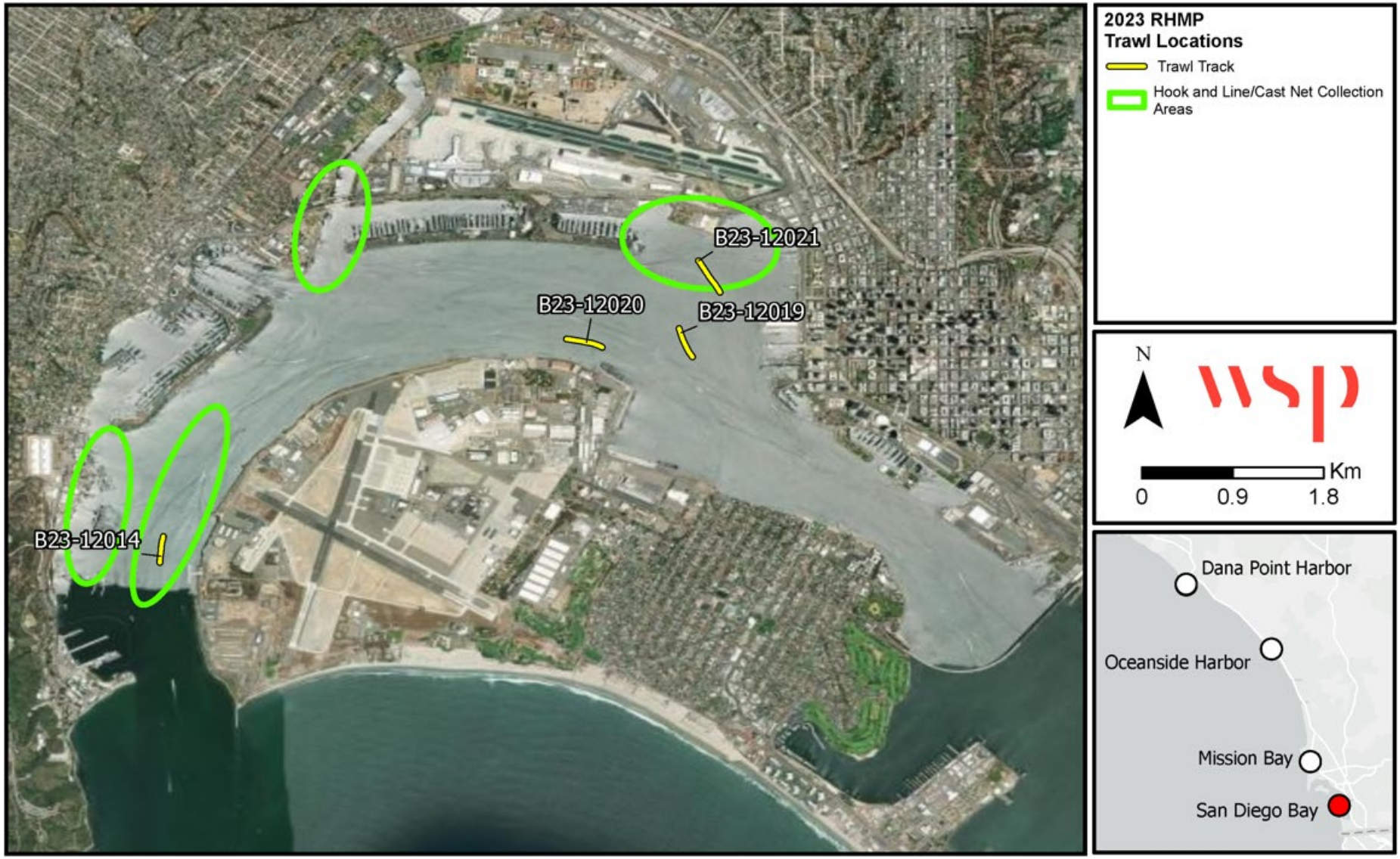


Figure 3-6. 2023 RHMP Trawl Locations and Hook and Line/Cast Net Fish Collection Areas in North San Diego Bay

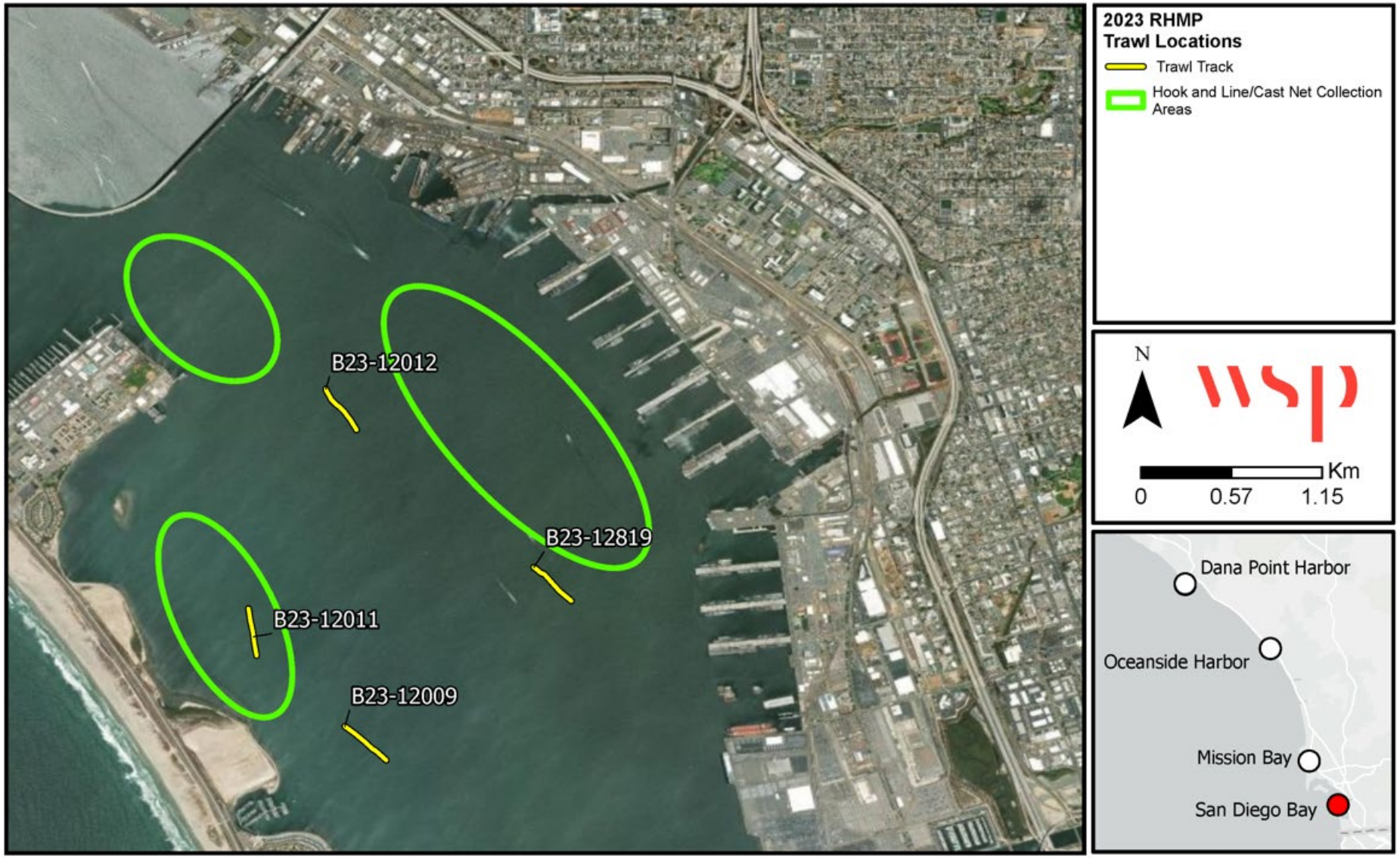


Figure 3-7. 2023 RHMP Trawl Locations and Hook and Line/Cast Net Fish Collection Areas in South San Diego Bay A

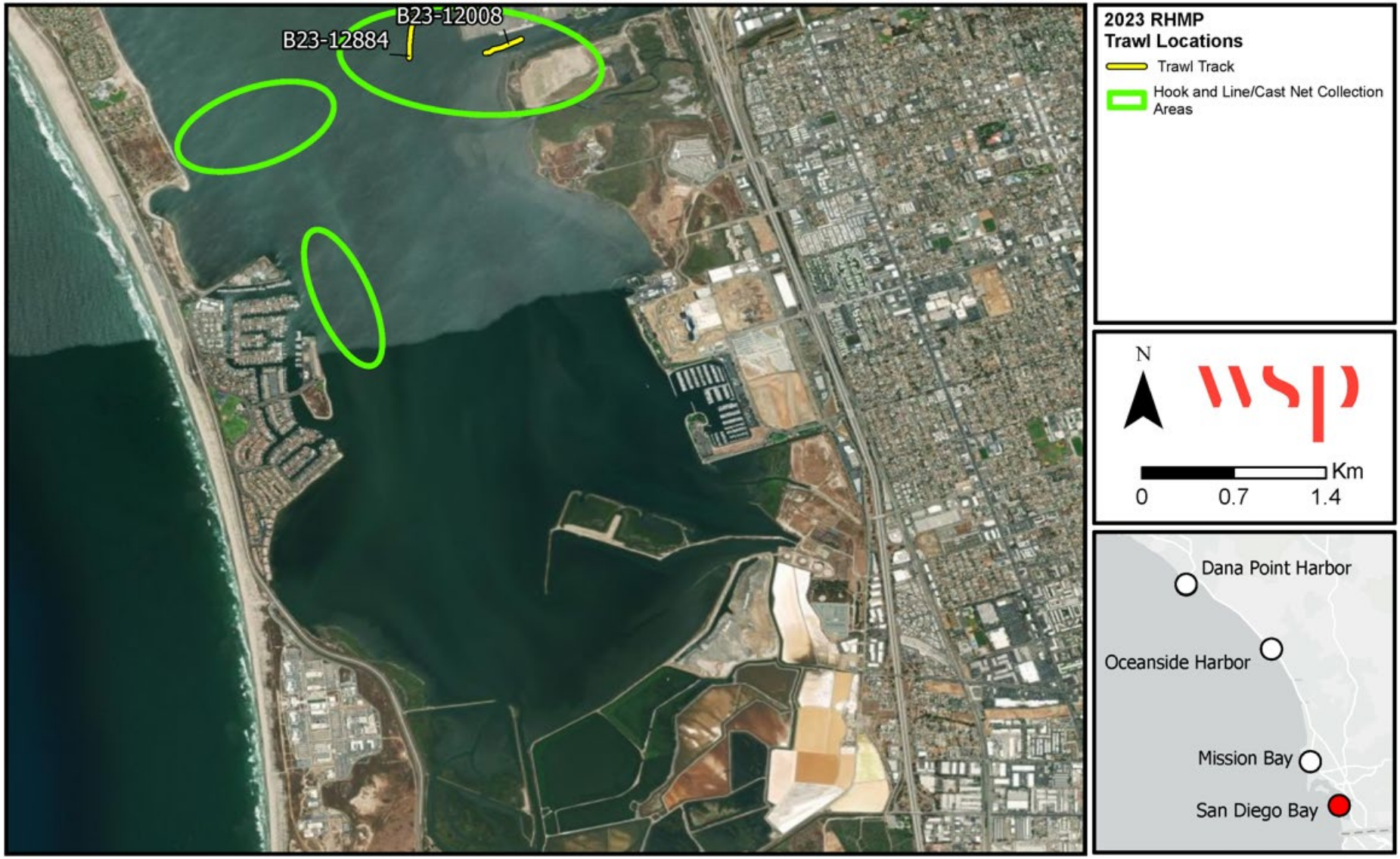


Figure 3-8. 2023 RHMP Trawl Locations and Hook and Line/Cast Net Fish Collection Areas in South San Diego Bay B

3.3 Consideration for Fish Movement

This study recognizes that many fish species are highly mobile, and thus tissue concentrations will reflect an exposure to a range of sediment contaminants within their home range. For some species, the home range may be smaller than the site, thus all of the contaminant exposure occurs within that area. Other species may have a home range that extends beyond the site. For example, white seabass are highly migratory as adults, resulting in exposure to contaminants that are not associated with the site which can impact the assessment of site linkage. Spatial variability in sediment chemical concentrations (e.g., heterogeneity, gradients, or hotspots) and differences in habitat quality that influences foraging activity (Beegan and Faick, 2018; Hixon, 1981), such as preference for ecotones such as sandy flat bottoms (Espinosa et al., 2011), rock-sand interfaces (Mason and Lowe, 2010; McKinzie et al., 2014), or rocky/reef habitat (Lowe et al., 2003), can also affect the movement patterns of species of interest. Other factors that can influence site-linkage for some species are seasonal migration patterns, such as spawning aggregations of barred sand bass (Mason and Lowe, 2010; McKinzie et al., 2014), in addition to temperature-driven aggregations that can increase the movement of species like round rays seasonally (Meese and Lowe, 2019; Vaudo and Lowe, 2006). The modes of feeding (e.g., ambush predator, roaming benthic foraging, pelagic filter feeding on plankton) are also likely to impact the extent to which a species moves around, and these may vary within feeding guilds.



Spotted Sand Bass from San Diego Bay

For many species in this study, there is limited species-specific home range information available, and even less information on fish tracked within embayments relative to offshore habitats. None of the forage fish analyzed have available home range data. Spotted sand bass, a key species found across nearly all embayments in this study and regularly used for human health and ecological risk under the SQO framework (Beegan and Faick, 2018), does not have species-specific home range information from tagging studies. A tag and recapture study for spotted sand bass in San Diego Bay that measured time at liberty and recapture distance for spotted sand bass showed fish were recaptured within the same embayment they were tagged in. Recapture distance ranged from tens of meters to over 11 kilometers (km) from the site of initial tagging (Bellquist, 2015), but the methods did not allow for the calculation of a home range in km^2 that could be applied here despite the study being cited as evidence for short-term high site fidelity (Loflen, 2013; Toll, 2019). Instead, the Human Health (HH) SQO model (Bay et al., 2017) assumes similar behavioral and life history characteristics for kelp bass and barred sand bass and uses an estimation between the two to create a home range of just 0.007 km^2 for spotted sand bass. This approach likely results in an underestimation of the spotted bass home range because the studies used in the model for kelp bass (Lowe et al., 2003) and barred sand bass (Mason and Lowe, 2010) were performed over short time periods

(~1 month) at kelp forest habitats within a Marine Protected Area (MPA) at Catalina Island. More recent studies that have tagged these two species on mainland reefs off of Palos Verdes (Teesdale et al., 2015) and artificial reefs in San Diego (Logan and Lowe, 2019) over a period of 2 years found home ranges that were 20 to 100 times larger for each respective species. The authors noted that longer time periods of tracking, longer foraging excursions, mating behavior, and habitat differences between island and mainland reefs are likely to contribute to the different home range estimates.

This suggests that home range studies specific to species found in the local bays and estuaries are necessary to create representative values that can be used in Southern California embayments, a data gap that adds uncertainty to any sediment linkage assessment. While spotted sand bass, kelp bass, and barred sand bass are closely related (all within genus *Paralabrax*), there are some noted differences in life histories between the three (Allen et al., 1995), with spotted sand bass characterized as fast-growing, short lived (max lifespan 14 years) compared with kelp bass (33 years) and barred sand bass (24 years). Spotted sand bass are more restricted to shallow, protected areas and have been noted to include less fish in their diet than the other two species (Allen et al., 1995), with clams representing an important food source (Love, 2011).

Soft-bottom embayments are known to be a valuable nursery habitat for numerous coastal fish species. Eelgrass beds within these areas provide essential shelter from predators and foraging habitat for juvenile fish that may be different from the habitats utilized by adults. Further investigations would benefit from incorporating home range information specific to target fish species in bays and harbors that also account for life stage differences. Logan and Lowe (2019) found that the distance that three common gamefish species (kelp bass, barred sand bass, and California sheephead) travel to find food at offshore rocky reefs in California varied substantially depending on their size.

A summary of home ranges is presented in Table 3-3 for the species analyzed in this report. Where available, additional details about habitat preference and movement patterns are summarized.

Table 3-3. Home Range Parameters for Fish Species in Representative Feeding Guilds

Guild	Species	Home Range Basis	Home Range (Average ± 1SD)	Notes
Forage - Planktivores	Slough Anchovy	NA	NA	NA
	Jacksmelt	NA	NA	NA
	Topsmelt	NA	NA	NA
Forage - Mesocarnivore	Pacific Chub Mackerel	NA	NA	NA
Predators - Inverts	Shiner Surfperch	Site Area (km^2)	0.0012 ± 0.0008	SWRCB, 2018. SOA[1] in San Francisco Bay for chlordanes, dieldrin, total DDTs and total PCBs=1 km
	White Surfperch	NA	NA	NA
Predator - Mesocarnivore	Barred Sand Bass	Site Area (km^2)	0.010003 ± 0.0038	Mason and Lowe, 2010. Study conducted inside MPA at Catalina
		Site Area (km^2)	0.139 ± 0.370[c] 0.003 ± 0.001[d]	McKinzie et al., 2014. [c]=spawning season fish tracked in nearshore shelf 15-30 m depth. [d]=non-spawning season fish tracked near federal breakwater near POLA/POLB
		Site Area (km^2)	0.01851 ± 0.012429	Teesdale et al., 2015. 55 tagged on Palos Verdes shelf tracked for 2 years. Range shown is 95% KUD
		Site Area (km^2)	0.24 ± 0.11	Logan and Lowe, 2019. 45 tagged individuals on Wheeler Reef over 2-year period
	Spotted Sand Bass	Site Area (km^2)	0.0071 ± 0.0073	SWRCB, 2018
	Kelp Bass	Site Area (km^2)	0.003349 ± 0.003328	Lowe et al., 2003. Study in Catalina MPA. High degree of site fidelity, preference of rock and kelp habitat
		Site Area (km^2)	0.33 ± 0.13	Logan and Lowe, 2019. 45 tagged individuals on Wheeler Reef over 2-year period
	California Halibut	Site Length (km)	29.3 ± 60	SWRCB, 2018. SOA[1] in San Diego Bay for total DDTs and total PCBs=4 km
	Queenfish	Site Area (km^2)	3 ± 4.7	SWRCB, 2018
	Round Stingray	Site Area	Tens to a few hundred meters[e]	Meese and Lowe, 2019[e] (Big Fisherman's Cove at Catalina). Populations near coastal estuaries and island habitats may aggregate in warmer water and seasonally disperse into adjacent habitats (Meese and Lowe, 2019; Vaudo and Lowe, 2006).
	White Seabass	NA	NA	Home range estimates not available, but tag and recapture studies (Aalbers et al., 2015; Aalbers et al., 2021) suggest ranges in the tens to hundreds of kilometers for adults in Southern California and Baja California with noted seasonal migration patterns.
	Yellowfin Croaker	NA	NA	NA
	Black Croaker			
	Pacific Barracuda	NA	NA	NA

Notes:
1 - Spatial Optimization Analysis by Melwani et al. 2009 to determine distance at which linear regression analysis determined a significant relationship between sediment and tissue concentrations. Only significant relationships are presented.
± = plus or minus; km^2 = square kilometer(s); km = kilometer(s); KUD = kernel utilization distribution; m = meter(s); MPA = Marine Protected Area; NA = Information from literature not available; PCB = polychlorinated biphenyl; SD = standard deviation

3.4 Tissue Contaminants

Tissue chemistry results were analyzed using both raw (i.e., untransformed) and lipid-normalized data for organic contaminants, with raw data presented below in the report text and associated figures. Results for individual tissue composite samples are presented in the chemistry laboratory report in Appendix C and in summary tables in Appendix D. Concentrations of lipophilic contaminants such as DDTs, PAHs, and PCBs in biota are frequently corrected for variation in tissue lipid content, and sediments corrected for variation in organic carbon content prior to evaluating bioaccumulation potential from sediments (Hebert and Keenleyside, 1995). These corrections reduce variation that may be associated with these factors because nonpolar organic compounds have a strong affinity for lipids and organic compounds. This normalization approach is desirable when contaminant concentrations in tissues vary in direct proportion to lipid content. A brief discussion is provided below when patterns based on lipid-normalized data differed notably from that using raw data. Supplemental bar charts of lipid-normalized data are in Appendix E.

Raw tissue chemistry results are presented across harbors, feeding guilds, and species groups. Concentrations, reported in wet weight, are then compared with human health and wildlife screening criteria for risk assessment described in Sections 2.4.3 and 2.4.4, respectively. Tissue chemistry graphs for human health risk assessment include relevant screening levels for comparison. Because widely applicable nationwide ecological risk tissue screening levels are not available for bioaccumulative COPCs, thresholds for ecological risk are not depicted on graphs.

For both raw tissue chemistry and lipid-normalized results, statistical significance between groups was analyzed using a Kruskal-Wallis one-way ANOVA with Dunn's multiple comparisons test for pairwise analysis. Tissue concentrations were transformed using a log(y+1) transformation prior to statistical analyses. Results from the global, one-way ANOVA test are presented in graphs.

Sections 3.4.1 through 3.4.9 provide results by individual COPCs; spatial patterns are described in further detail in Section 3.5 using consistent species across all RHMP embayments; human health screening level exceedances are summarized in Section 3.6; and temporal patterns compared to historical studies for select species in each embayment are described in Section 3.7.

3.4.1 Total Chlordanes

Human Health

Mean concentrations of total chlordanes in skin-off filets or carcass fish tissue composites for human health were significantly different between harbors, ranging from 0.68 to 40.3 ng/g ww (Figure 3-9). Fish collected from Oceanside Harbor and Mission Bay exhibited the highest mean concentrations of total chlordanes. There were no significant differences between feeding guilds or species. The single white seabass composite exhibited the highest mean total chlordane concentration among individual species (98.4 ng/g ww), followed by topsmelt, which had a larger sample size (n=6) and a mean concentration of 32.9 ng/g ww (Figure 3-9).

Ecological Risk

Mean concentrations of total chlordanes in whole fish by harbor ranged from 1.28 to 14.2 ng/g ww (Figure 3-10) and were significantly different. Fish with the highest mean chlordane

concentrations were collected from Oceanside Harbor and Mission Bay. There were no significant differences between feeding guilds or species, although concentrations in white surfperch were notably elevated in two of the three composite samples relative to that observed for the other species. As a result, mean whole body tissue concentrations of chlordane were greatest among the predator invertebrate guild (12.9 ng/g ww). All other species had mean chlordane tissue concentrations below 5 ng/g ww (Figure 3-10).

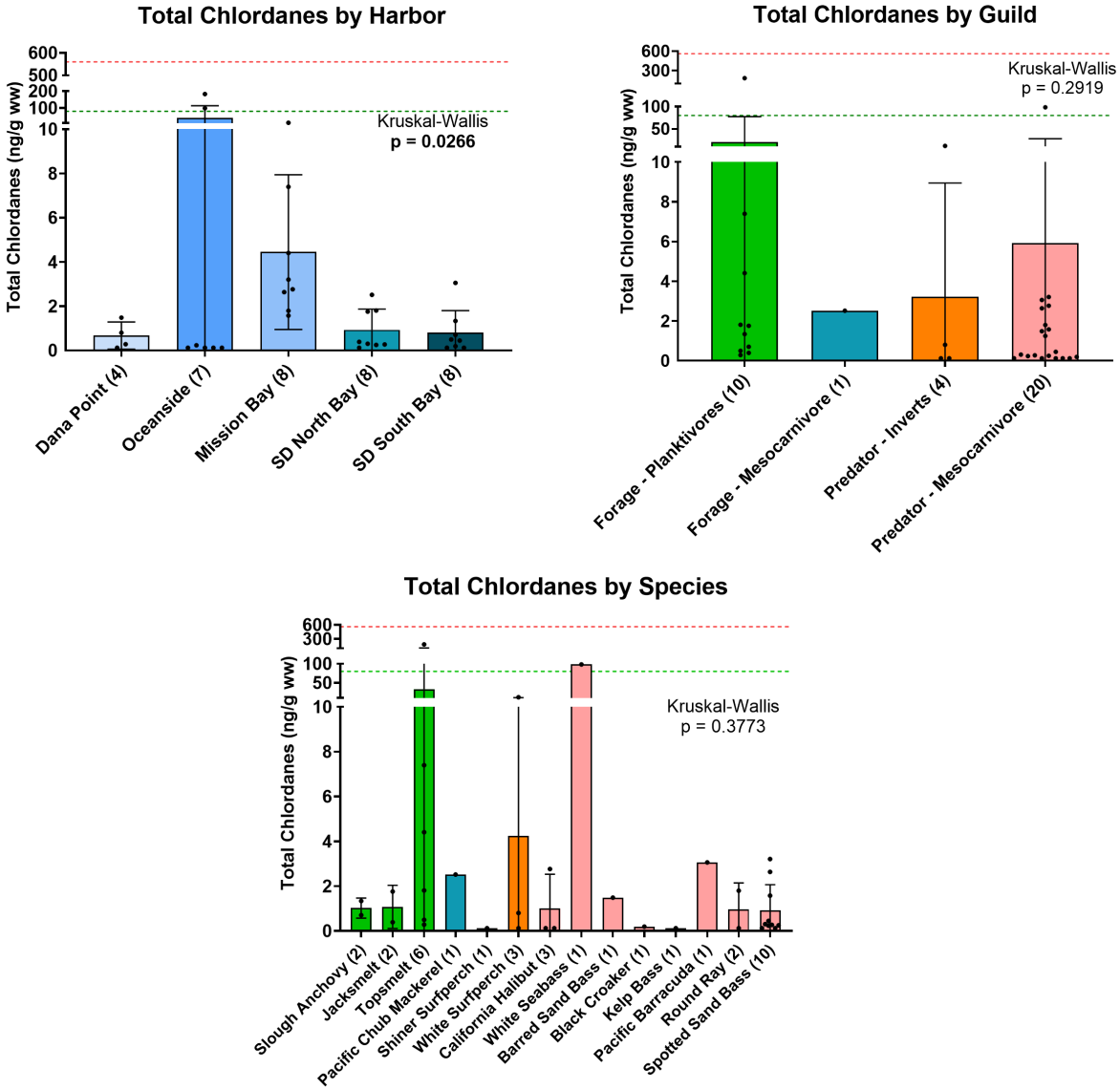


Figure 3-9. Tissue Concentrations of Total Chlordanes Across Harbors, Feeding Guilds, and Species – Filets/Carcass for Human Health Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The dotted lines represent the lower and upper OEHHA ATLs of seven servings per week (80 ng/g ww, in green) and "do not consume" (560 ng/g ww, in red). The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. Bold p-values indicate significant differences between groups (p < 0.05).

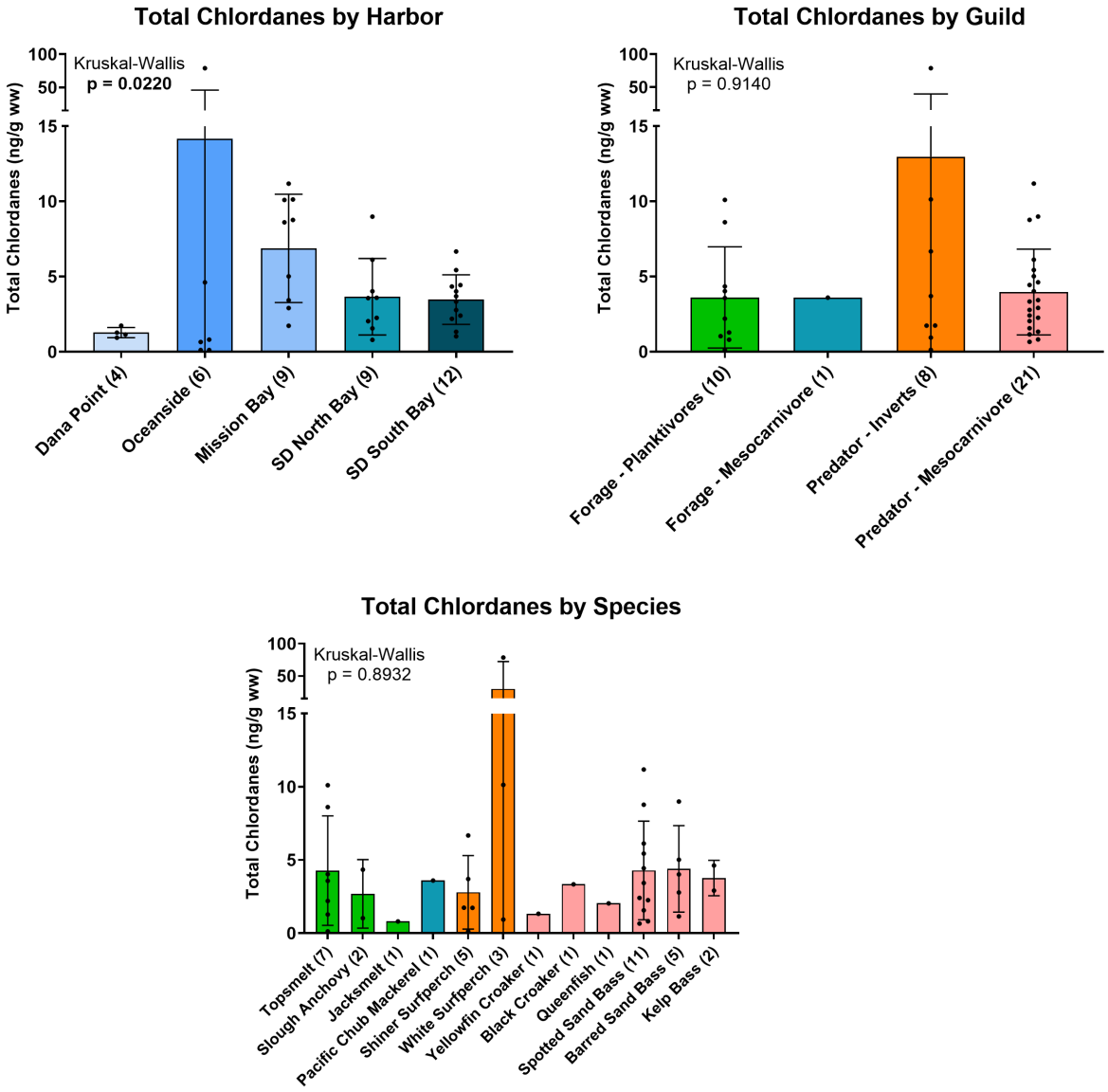


Figure 3-10. Tissue Concentrations of Total Chlordanes Across Harbors, Feeding Guilds, and Species – Whole Body for Ecological Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$).*

Screening Level Risk Assessment

The concentrations of total chlordanes in tissues were compared with several screening-level guidelines based on both human health and wildlife risk as follows:

- **OEHHA Fish Consumption ATLs**: Less than 80 ng/g ww (seven servings per week), 140 to 560 ng/g ww (no more than three servings per week), and > 560 ng/g ww (no consumption). See Table 2-3 for additional serving limits.
- **OEHHA FCG**: Target tissue level is 5.6 ng/g ww for individuals consuming approximately 8 oz per week, or approximately 32 g/day.
- **Oregon DEQ (2007)**: Lowest ATLs for applicable wildlife (1,200 ng/g ww for birds and 3,300 ng/g ww for mammals); ATL for humans (27 ng/g ww – general/recreational); and the critical tissue level (CTL) in fish, shellfish, or other saltwater aquatic organisms (56 ng/g ww).
- **USFWS**: Initial wildlife risk-based screening levels for contaminants in tissue of aquatic biota of San Diego Bay (Zeeman, 2016): 196 to 1,006 ng/g ww no observed effect concentration (NOEC) values to birds from consuming invertebrates or fish; and 8,578 to 44,025 ng/g ww lowest observed effect concentration (LOEC) values to birds from consuming invertebrates or fish.

Human Health

Concentrations of total chlordanes in skin-off filet or carcass tissue samples from fish collected during the 2023 RHMP were generally below available human health screening criteria; however, exceedances of the OEHHA FCG (5.6 ng/g ww) were observed for four composites (two topsmelt, one white seabass, and one white surfperch). Two of these composites (one topsmelt and one white seabass) also exceeded the most conservative OEHHA consumption threshold (seven servings per week; 80 ng/g ww) and Oregon DEQ ATL for humans (27 ng/g ww). This pattern differs from the 2018 and 2013 RHMP, during which chlordane concentrations in fish tissue were below human health criteria across all species. The highest concentration of total chlordanes in fish tissue observed among samples collected from all embayments in 2023 was 183 ng/g ww, measured in a single topsmelt composite sample from Oceanside Harbor (Figure 3-9), which falls in the no more than three servings per week category of the ATLs.

Ecological Risk

Concentrations of total chlordanes in whole-body tissue samples from all fish species analyzed for the 2023 RHMP were well below most available criteria for protection of wildlife risk-based screening. The highest whole-body concentration of total chlordanes among samples was 78.7 ng/g ww in a composite sample of white surfperch from Oceanside Harbor. This concentration was below the USFWS NOEC (196 to 1,006 ng/g ww) prey item threshold values for the protection of bird species summarized by USFWS (Zeeman, 2016); however, it exceeded the Oregon DEQ CTL in fish (56 ng/g ww; Figure 3-10). No concentrations of total chlordanes in tissues exceeded the Oregon DEQ ATLs for applicable wildlife.

3.4.2 Total DDTs

Human Health

Mean concentrations of total DDTs in skin-off filet or carcass tissue composites were similar and not statistically different between harbors, ranging from 5.84 ng/g ww in Mission Bay to 18.5 ng/g ww in Oceanside Harbor. Statistically significant differences between feeding guilds and species were driven by the greatest tissue concentrations in the invertebrate predators comprising white surfperch and shiner surfperch followed by forage planktivores with elevated concentrations in jacksmelt and topsmelt (Figure 3-11). Jacksmelt, shiner surfperch, and white seabass had the highest mean concentrations of total DDTs among individual species (28 ng/g ww), followed by Pacific barracuda (22 ng/g ww), white surfperch (14 ng/g ww), and topsmelt (14 ng/g ww). Notably, there were no significant differences between feeding guilds or species for lipid-normalized tissue data, suggesting some of the observed trends can be attributed to lipid content differences in the muscle tissue of the species analyzed.

Ecological Risk

Mean concentrations of total DDTs in whole body fish tissue were similar among most embayments, ranging from approximately 11.7 in Mission Bay to 37.4 ng/g ww in Oceanside Harbor (Figure 3-12), with Oceanside Harbor statistically different from Mission Bay and South San Diego Bay. Mean whole body tissue concentrations of total DDTs were similar among all feeding guilds ranging from approximately 17.3 to 21.3 ng/g ww (Figure 3-12). Jacksmelt had the highest mean concentration of total DDTs among individual species (48.3 ng/g ww), followed by the black croaker (28.1 ng/g ww). Reported whole body concentrations were based on a single composite for both species.

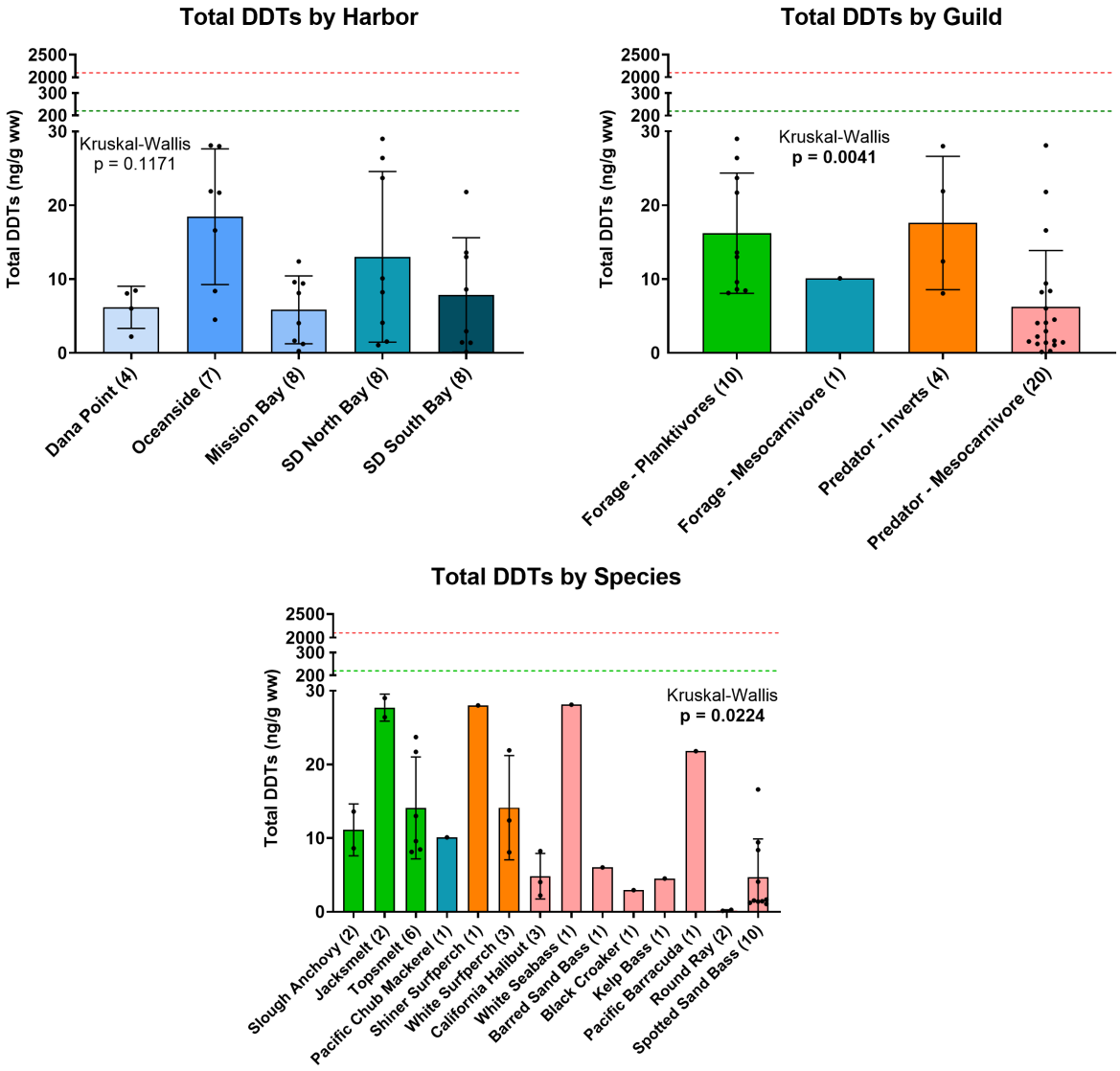


Figure 3-11. Tissue Concentrations of Total DDTs Across Harbors, Feeding Guilds, and Species – Filets/Carcass for Human Health Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The dotted lines represent the upper and lower OEHHA ATLs of seven servings per week (220 ng/g ww, in green) and "do not consume" (2,100 ng/g ww, in red). The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$).*

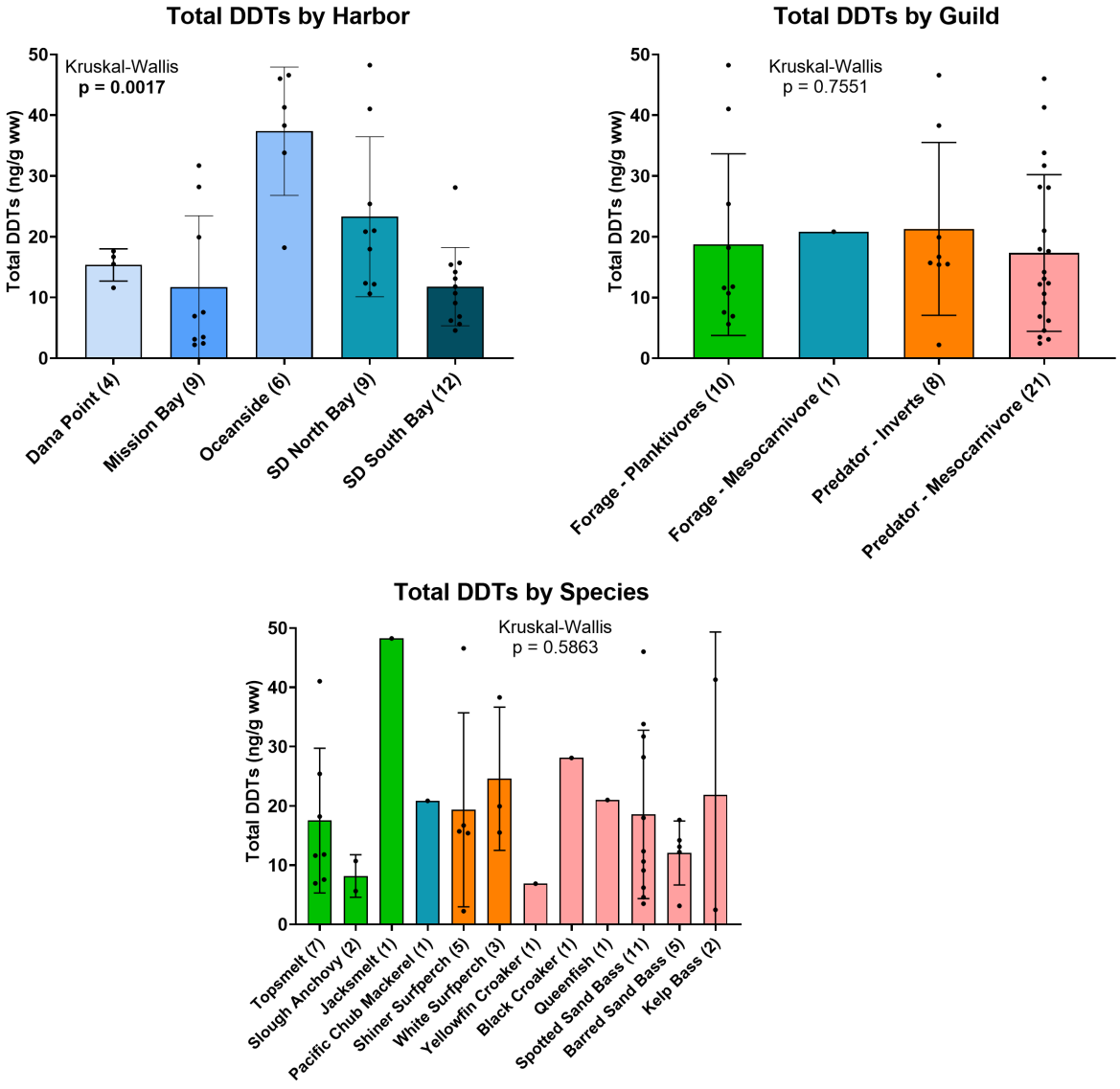


Figure 3-12. Tissue Concentrations of Total DDTs Across Harbors, Feeding Guilds, and Species – Whole Body for Ecological Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$).*

Screening Level Risk Assessment

The concentrations of total DDTs in tissues were compared with several screening-level guidelines based on both human health and wildlife risk as follows:

- **OEHHA Fish Consumption ATLs**: Tissue concentrations at or below 220 ng/g ww (seven servings per week, 390 to 2,100 ng/g ww (no more than three servings per week), and > 2100 ng/g ww (no consumption). See Table 2-3 for additional serving limits.
- **OEHHA FCG**: Target tissue level is 21 ng/g ww for individuals consuming approximately 8 oz per week, or approximately 32 g/day.
- **Oregon DEQ (2007)**: Lowest ATL for applicable wildlife (48 ng/g ww for osprey); ATL for humans (27 ng/g ww – general/recreational); and the CTL in fish, shellfish, or other saltwater aquatic organisms (54 ng/g ww). Reported as total 4,4'-DDT, 4,4'-DDE, or 4,4'-DDD individually.
- **USFWS**: Initial wildlife risk-based screening levels for contaminants in tissue of aquatic biota in San Diego Bay (Zeeman, 2016): 11 to 57 ng/g ww NOEC values to birds from consuming invertebrates or fish; and 33 to 170 ng/g ww LOEC values to birds from consuming invertebrates or fish.

Human Health

Concentrations of total DDT in skin-off filet and carcass tissues from fish collected in all embayments in 2023 were well below the most conservative OEHHA ATL (up to seven servings per week) of 220 ng/g ww (Figure 3-11), which is consistent with the lack of exceedances in both the 2018 and 2013 RHMPs. Six of the 14 species representing 23% of the 35 total human health composites exceeded the OEHHA FCG of 21 ng/g ww, including jacksmelt (North San Diego Bay), topsmelt (Oceanside Harbor and North San Diego Bay), shiner surfperch (Oceanside Harbor), white surfperch (Oceanside Harbor), white seabass (Oceanside Harbor), and Pacific barracuda (South San Diego Bay). Additionally, mean DDT concentrations for several species exceeded the Oregon DEQ ATL for human health (27 ng/g ww), including jacksmelt, shiner surfperch, and white seabass (all approximately 28 ng/g ww).

Ecological Risk

The concentration of total DDT in at least one whole body composite tissue sample from each species, except slough anchovy and yellowfin croaker, exceeded the USFWS NOEC values to birds from consuming invertebrates or fish (11 to 57 ng/g ww). Six species (topsmelt, jacksmelt, shiner surfperch, white surfperch, spotted sand bass, and kelp bass) had whole body tissue concentrations of total DDT that exceeded the USFWS LOEC values to birds from consuming invertebrates or fish (33 to 170 ng/g ww) (Figure 3-12). The single composite of jacksmelt from North San Diego Bay had the highest concentration of total DDT in fish tissue observed among samples collected from all embayments at 48.3 ng/g ww, which was slightly above the Oregon DEQ lowest ATL for applicable wildlife (48 ng/g ww for osprey).

3.4.3 Total Dieldrin

Dieldrin was not detected in any skin-off filet or carcass tissue samples collected during the 2013 or 2018 RHMP studies; however, this chemical was detected in six of 35 (17%) composite samples analyzed for human health risk in the 2023 survey at concentrations ranging from 1.48 to 21.9 ng/g ww. Dieldrin was also detected in two of 40 (5%) whole body tissue composite samples analyzed for ecological risk in the 2023 RHMP study (15.8 ng/g ww and 28.0 ng/g ww).

Given that dieldrin has not been detected in fish tissues or sediment in prior RHMP studies, dieldrin results were reviewed thoroughly by the analytical laboratory for confirmation. Upon further review, dieldrin results for these eight samples were considered detected but not quantifiable and flagged as estimated (see data QA/QC Section 3.8.2 for additional detail).

As a result, estimated dieldrin detections are presented herein for reference; however, data were not compared with screening level guidelines and statistical analyses were not performed.

Screening Level Risk Assessment

Several screening-level guidelines based on both human health and wildlife risk for total dieldrin are as follows:

- **OEHHA Fish Consumption ATLs**: Tissue concentrations at or below 7 ng/g ww (seven servings per week), 11 to 46 ng/g ww (no more than three servings per week), and > 46 ng/g ww (no consumption). See Table 2-3 for additional serving limits.
- **OEHHA FCG:** Target tissue level is 0.46 ng/g ww for individuals consuming approximately 8 oz. per week, or approximately 32 g/day.
- **Oregon DEQ (2007):** Lowest ATL for applicable wildlife (44 ng/g ww for birds); ATL for humans (0.58 ng/g ww – general/recreational); and the CTL in fish, shellfish, or other saltwater aquatic organisms (56 ng/g ww).

Human Health

Dieldrin was not detected (i.e., below the MDL) in 29 of the 35 skin-off filet and carcass tissue composites (83%) analyzed for human health risk. The MDL of 0.1 ng/g ww is well below screening levels of concern for human health risk for dieldrin. Dieldrin results in the remaining six composite samples were considered detected but not quantifiable and flagged as estimated. Therefore, comparisons to screening level guidelines to evaluate human health risk were not performed for these samples.

Ecological Risk

Similarly, dieldrin was not detected in 38 of the 40 whole body tissue composites (95%), indicating concentrations were well below screening levels of concern for ecological risk for dieldrin. Dieldrin results in the remaining two composite samples were considered detected but not quantifiable and flagged as estimated. Therefore, comparisons to screening level guidelines to evaluate ecological risk were not performed for these samples.

3.4.4 Total PAHs

Human Health

Mean concentrations of total PAHs in skin-off filet and carcass tissues differed significantly between harbors, ranging from 0.89 ng/g ww in South San Diego Bay to 26.6 ng/g ww in Oceanside Harbor (Figure 3-13). Total PAHs were similar among all feeding guilds, with the exception of elevated concentrations in the forage mesocarnivore guild, which was represented by a single Pacific chub mackerel composite. White seabass had the highest mean concentration of total PAHs (140 ng/g ww), which was notably higher than levels measured in other species. The next highest concentrations were observed in kelp bass and Pacific chub mackerel, at 29.3 and 29.0 ng/g ww, respectively.

Ecological Risk

Mean concentrations of total PAHs in whole body tissue composites were significantly different between harbors, ranging from 0.72 ng/g ww in Mission Bay to 19.2 ng/g ww in North San Diego Bay (Figure 3-14). There were no significant differences in mean tissue concentrations between feeding guilds or species. Mean whole body tissue concentrations of PAHs were greatest among the forage mesocarnivore guild (60.3 ng/g ww), which was made up of a single composite of Pacific chub mackerel. Jacksmelt had the next highest mean concentration of total PAHs among individual species (Figure 3-14). Note that white seabass (a predator mesocarnivore) had a notably elevated concentration of PAHs in the skin-off filets relative to the other species as described above; however, the whole body concentration of this species was not analyzed and is thus unavailable for comparison purposes.

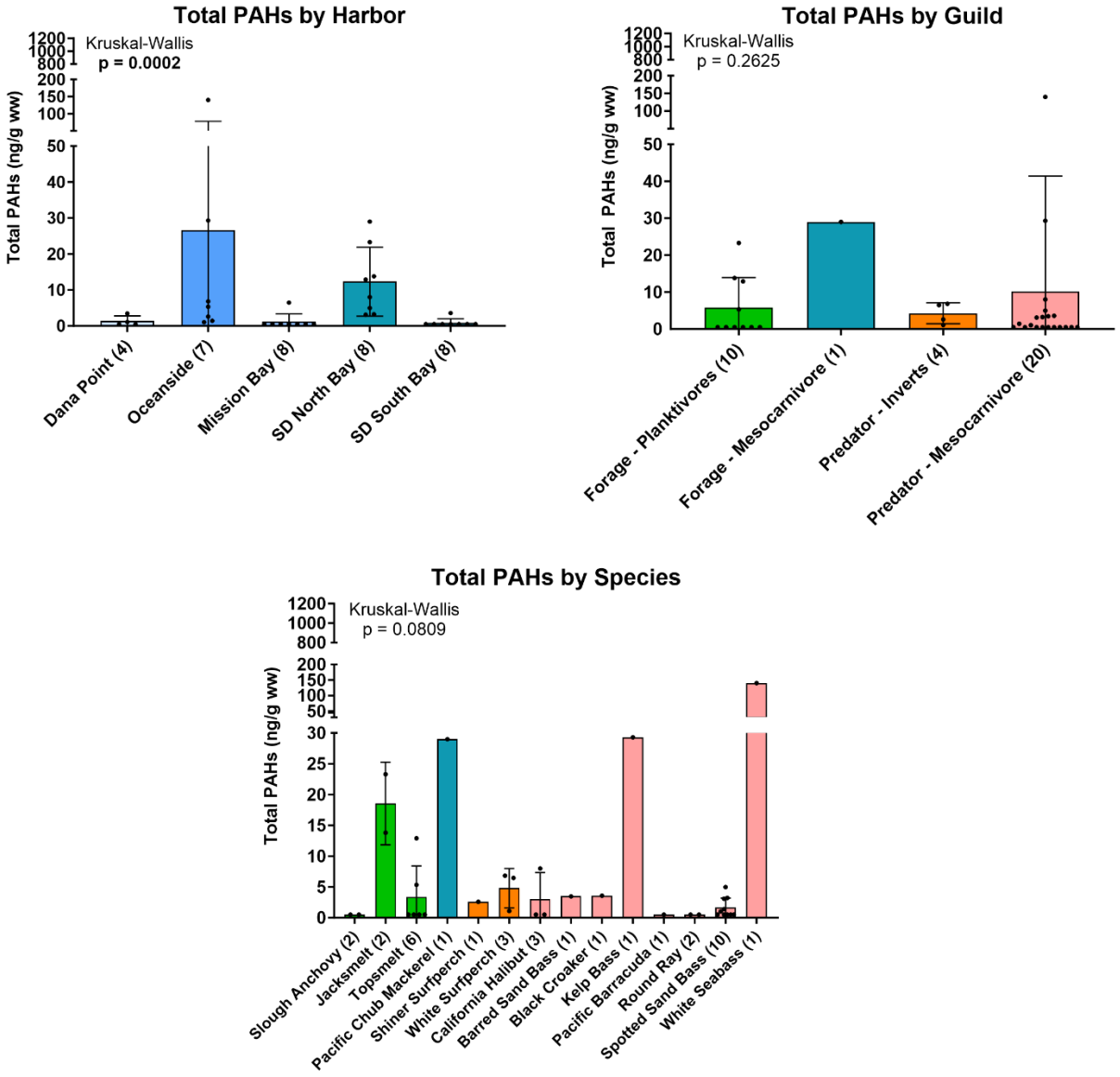


Figure 3-13. Tissue Concentrations of Total PAHs Across Harbors, Feeding Guilds, and Species – Filets/Carcass for Human Health Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$).*

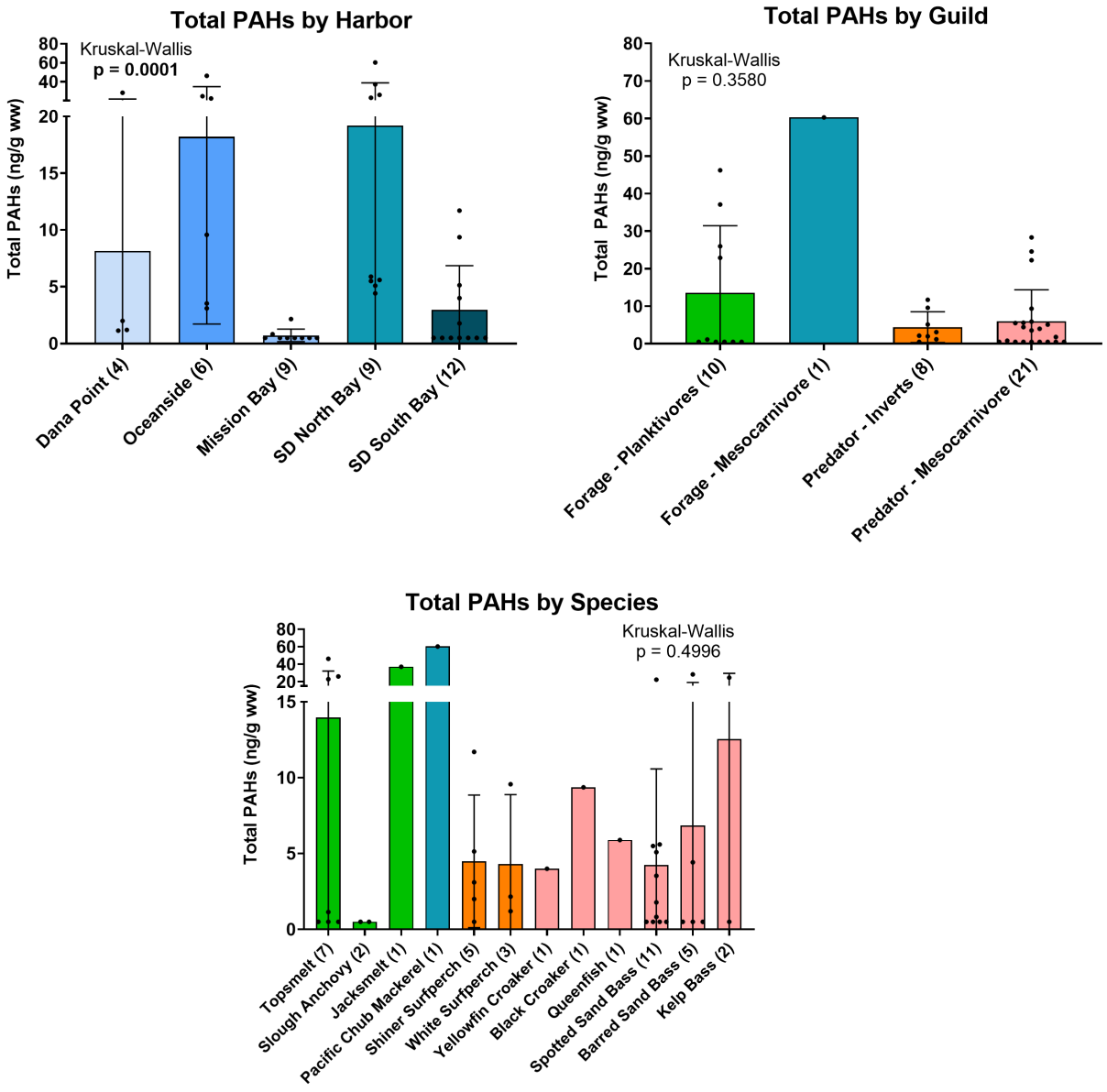


Figure 3-14. Tissue Concentrations of Total PAHs Across Harbors, Feeding Guilds, and Species – Whole Body for Ecological Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$).*

Screening Level Risk Assessment

There are few resources containing screening-levels for PAH bioaccumulation, since these compounds can be metabolized by many species and therefore do not readily bioaccumulate in tissues (Zeeman, 2016; Oregon DEQ, 2007). OEHHA has published information on PAH exposure (https://oehha.ca.gov/fish/pahs-fish-and-shellfish), but a consumption threshold for combined PAH exposure for humans is not available. OEHHA does provide screening levels for individual PAHs with the intent to inform the public about seafood safety following an oil spill but does not have scaled ATLs similar to other contaminants (OEHAA, 2015). The levels of concern for acenaphthene, anthracene, fluoranthene, fluorene, naphthalene, and pyrene range from 16,400 to 245,900 ng/g ww. For San Diego Bay, NOEC values to birds from consuming invertebrates or fish range from 18 to 90 ng/g ww for high molecular weight PAHs and from 362 to 1,855 ng/g ww for low molecular weight PAHs (Zeeman, 2016).

Concentrations of PAHs in all tissue samples were well below screening levels for human health following an oil spill according to OEHHA ranging from 16,400 to 245,900 ng/g ww for six individual priority PAH compounds included for non-cancer risk assessment (OEHHA, 2015). Tissue concentrations of PAHs were also below the suggested screening levels for ecological risk identified for San Diego Bay in Zeeman (2016) for high molecular weight PAHs (18 to 90 ng/g ww) and low molecular weight PAHs (362 to 1,855 ng/g ww).

3.4.5 PFOS and PFOA

Human Health

PFOS was detected in 31 of 35 skin-off filet or carcass tissue composite samples analyzed for human health, with detected concentrations ranging from 0.160 ng/g ww to 11.1 ng/g ww. Mean tissue concentrations of PFOS only differed significantly between harbors. Concentrations of PFOS measured in fish tissue collected in Mission Bay and South San Diego Bay were significantly higher than those collected in Dana Point Harbor and Oceanside Harbor (Figure 3-15a). While differences in PFOS concentrations between feeding guilds and species were not significantly different, elevated concentrations of PFOS were observed in the forage planktivore and predator mesocarnivore guilds. These concentrations were driven primarily by slough anchovy and topsmelt (forage planktivores), as well as California halibut and round rays (predator mesocarnivores).

PFOA was detected in 25 of 35 skin-off filet or carcass tissue composite samples analyzed for human health, with detected concentrations ranging from 0.070 ng/g ww to 1.58 ng/g ww. Similar to PFOS, raw mean tissue concentrations of PFOA only differed significantly between harbors, and concentrations were highest in Mission Bay and South San Diego Bay (Figure 3-15b). Notably, PFOA was not detected in any tissue composite samples collected in Dana Point Harbor and only detected in one sample collected in Oceanside Harbor. Mean concentrations of PFOA were similar among feeding guilds and species, with the exception of slightly elevated concentrations in two composites of round rays collected in Mission Bay and South San Diego Bay.

Ecological Risk

PFOS was detected in 35 of 40 whole body tissue composite samples analyzed for ecological risk, with detected concentrations ranging from 0.120 ng/g ww to 17.5 ng/g ww. Raw mean PFOS concentrations were significantly different between harbors, with the highest concentrations measured in Mission Bay and South San Diego Bay (Figure 3-16a). No significant differences were observed between feeding guilds or species. The highest mean concentrations of PFOS were observed in the forage planktivore and predator mesocarnivore guilds, driven primarily by tissue concentrations in composites of slough anchovy and spotted sand bass, respectively (Figure 3-16a).

PFOA was detected in 31 of 40 whole body tissue composite samples analyzed for ecological risk, with detected concentrations ranging from 0.095 ng/g ww to 1.06 ng/g ww. Mean concentrations of PFOA were significantly higher in Mission Bay and South San Diego Bay relative to the other embayments; however, there were no significant differences between feeding guilds or species (Figure 3-16b).

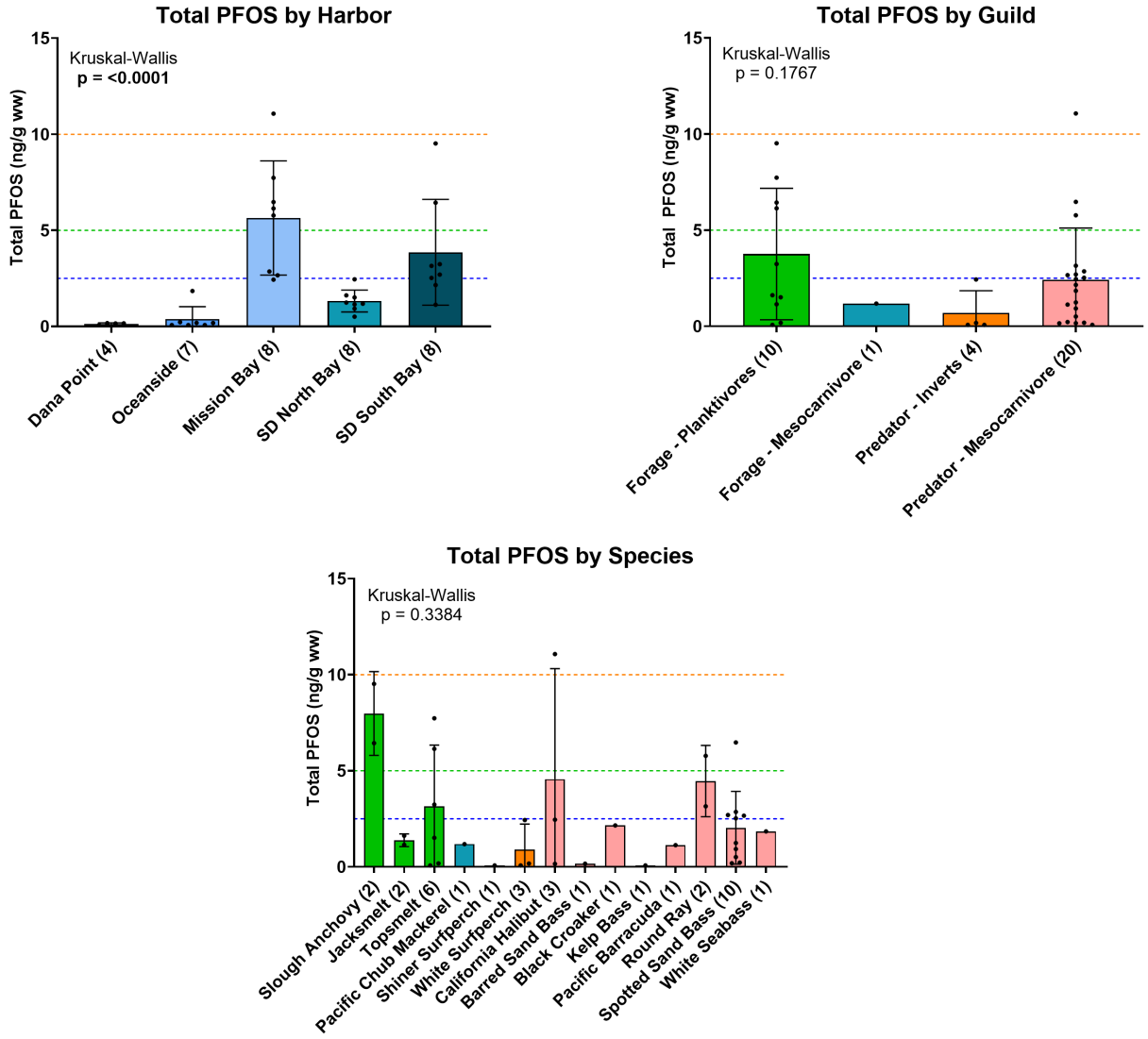


Figure 3-15a. Tissue Concentrations of Total PFOS by Species Across Harbors, Feeding Guilds, and Species – Filets/Carcass for Human Health Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The dotted lines represent the Great Lakes Consortium (2025) PFOS guidelines for four meals per week (2.5 ng/g ww, in purple), two meals per week (5.0 ng/g ww, in green), and one meal per week (10 ng/g ww in orange). None of the individual values exceeded the "do not consume" (>40 ng/g ww). The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$).*

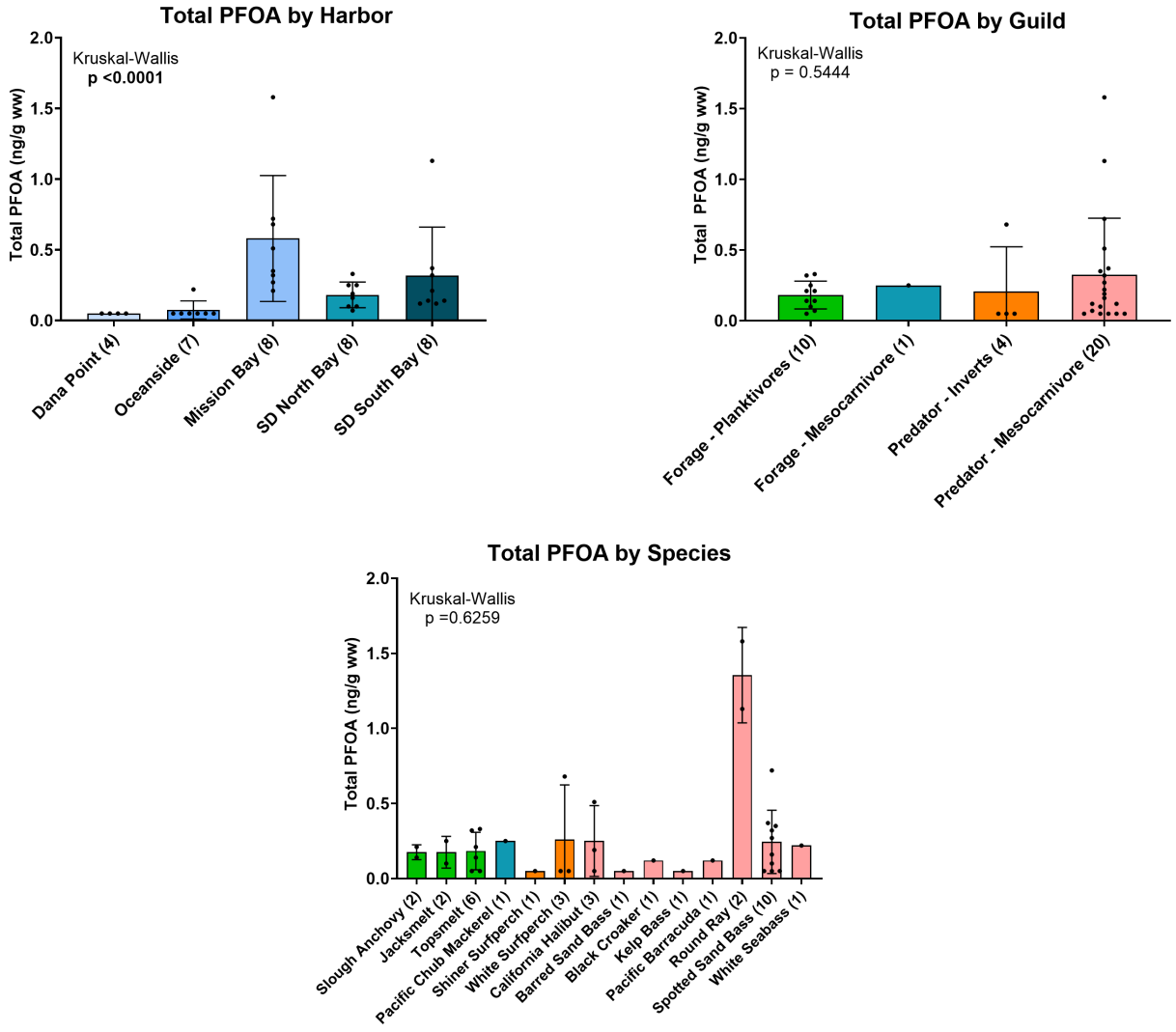


Figure 3-15b. Tissue Concentrations of Total PFOA by Species Across Harbors, Feeding Guilds, and Species – Filets/Carcass for Human Health Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$).*

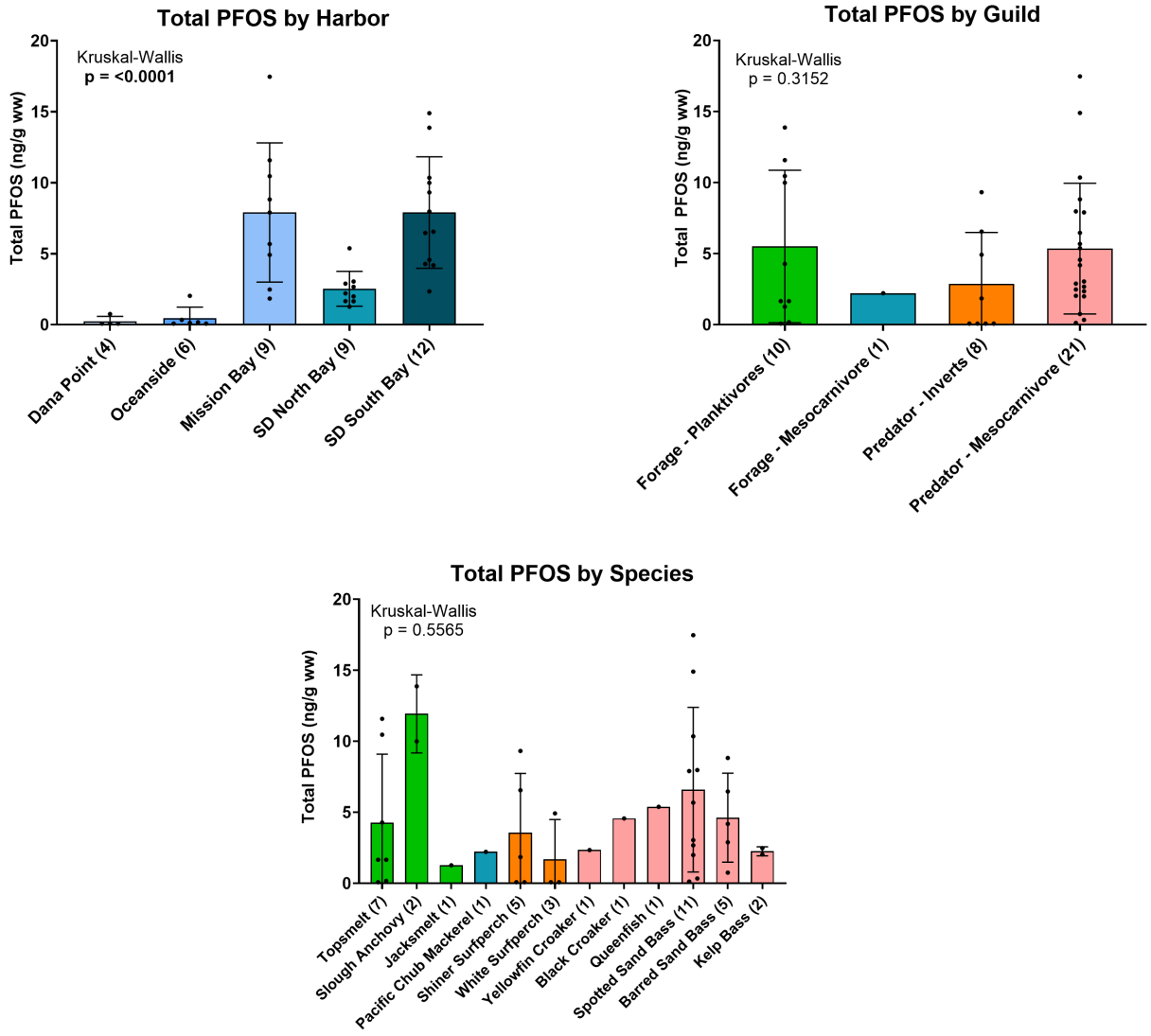


Figure 3-16a. Tissue Concentrations of Total PFOS by Species Across Harbors, Feeding Guilds, and Species – Whole Body for Ecological Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$).*

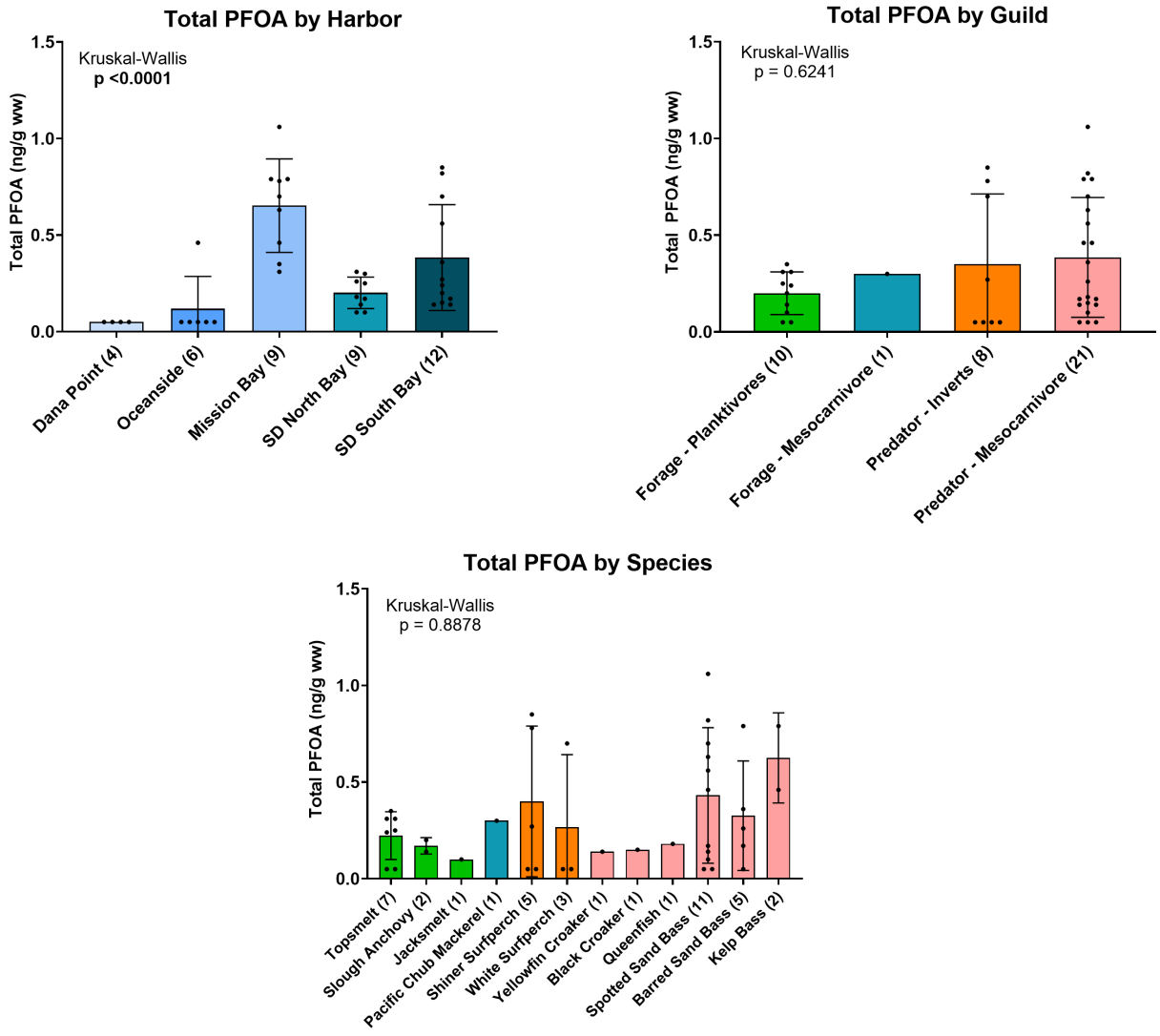


Figure 3-16b. Tissue Concentrations of Total PFOA by Species Across Harbors, Feeding Guilds, and Species – Whole Body for Ecological Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$).*

Screening Level Risk Assessment

PFOA and PFOS have been identified as chemicals of emerging concern due to their persistence in the environment and resistance to environmental degradation processes, leading to widespread distribution of these chemicals in water, soil, air, and throughout trophic levels. However, there is currently limited toxicological data for PFAS compounds to evaluate human health and ecological risk from fish consumption. Regulatory thresholds and guidance for PFAS compounds vary substantially across regions and are constantly evolving with emerging science. While there is currently no consensus on tissue screening-level guidelines for PFAS, the following guidelines were used for comparison:

- **Great Lakes Consortium for Fish Consumption Advisories Best Practice for PFOS Guidelines (2025):** Fish consumption guidelines for human health include tissue concentrations of PFOS at or below 2.5 ng/g ww (four or more meals per week), 2.5 to 5.0 ng/g ww (two meals per week), 5.0 to 10 ng/g ww (one meal per week), 10 to 40 ng/g ww (one meal per month), and > 40 ng/g ww (no consumption).
- **USEPA (2024)**: The USEPA developed chronic criteria expressed as tissue-based concentrations to help protect aquatic life from PFOA or PFOS bioaccumulation. For consumption of whole fish (i.e., ecological risk), tissue concentrations shall not exceed 201 ng/g ww for PFOS or 6,490 ng/g ww for PFOA. Note that these guidelines were developed for freshwater aquatic life.
- **Department of Defense Strategic Environmental Research and Development Program (SERDP; 2021)**: The SERDP evaluated chronic toxicity of PFOS and developed a TRV of 250 ng/g ww for the Japanese quail.

Human Health

A majority of human health tissue composite samples (22 of 35) collected from the San Diego Regional Harbors (including all samples from Dana Point Harbor and Oceanside Harbor) had PFOS concentrations in skin-off filet or carcass tissues below the most conservative Great Lakes Consortium threshold of 2.5 ng/g ww for the consumption of four or more meals per week. Only one tissue composite sample of California halibut collected from Mission Bay had a PFOS concentration above 10 ng/g ww (11.1 ng/g ww), corresponding to an allowable consumption rate of one meal per month. The remaining 12 samples had PFOS concentrations between the thresholds allowing consumption of one to two meals per week. Notably, no tissue composite samples analyzed for human health risk had PFOS concentrations above the “do not eat” threshold of 40 ng/g ww.

Ecological Risk

Concentrations of PFOS and PFOA in whole body tissue composite samples were well below USEPA (2024) ecological risk thresholds for whole fish of 201 ng/g ww and 6,490 ng/g ww, respectively, as well as the SERDP threshold of 250 ng/g ww for PFOS.

3.4.6 Total PCBs

Human Health

Mean total PCB concentrations in skin-off filet or carcass tissue composites analyzed for human health risk were significantly different between harbors, ranging from 6.04 ng/g ww in Dana Point to 127 ng/g ww in South San Diego Bay (Figure 3-17). There were no significant differences in tissue concentrations between feeding guilds or species. The highest concentrations were in the forage planktivore guild (Figure 3-17). Slough anchovy exhibited the greatest mean concentration, followed by Pacific barracuda, topsmelt, and California halibut. Although slough anchovies had the highest total PCB concentrations, when normalizing for lipid content, concentrations dropped below that of the California halibut due to the higher lipid content measured in anchovies.

Ecological Risk

Total PCBs in whole body fish tissue composites analyzed for ecological risk were significantly different between harbors, with mean concentrations highest in Mission Bay and San Diego Bay, ranging from 15.1 ng/g ww in Dana Point Harbor and 268 ng/g ww in South San Diego Bay (Figure 3-18). There were no significant differences between feeding guilds or species. Mean tissue concentrations of total PCBs were greatest among the predator mesocarnivore feeding guild (Figure 3-18). Within the predator mesocarnivore guild, the black croaker had the highest mean concentration of PCBs (317 ng/g ww) based on one composite sample in South San Diego Bay. However, the highest individual whole body composite concentration of PCBs was measured in spotted sand bass from Mission Bay (604 ng/g ww).

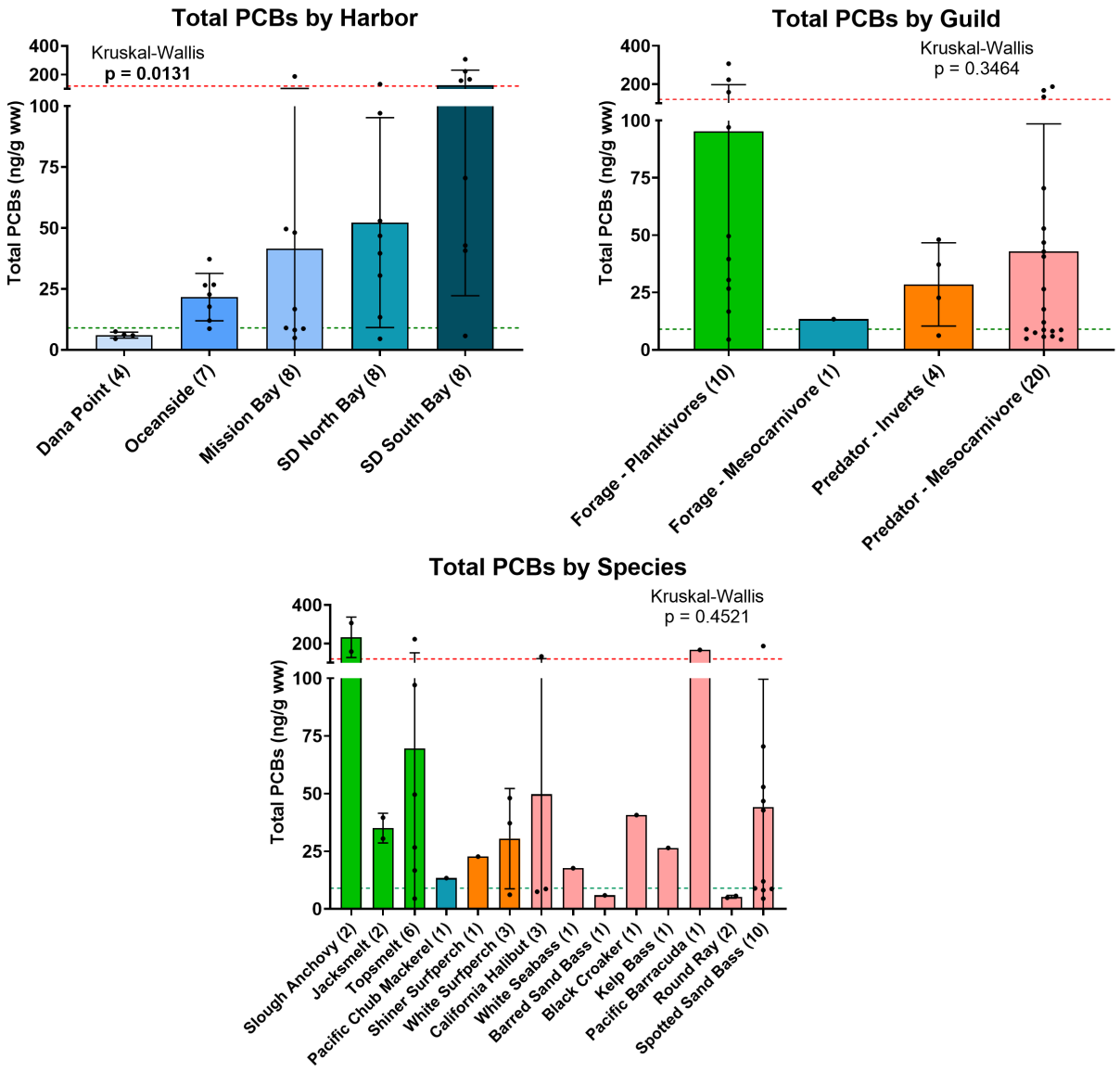


Figure 3-17. Tissue Concentrations of Total PCBs Across Harbors, Feeding Guilds, and Species – Filet/Carcass for Human Health Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The dotted lines represent the upper and lower OEHHA ATLs of seven servings per week (9 ng/g ww, in green) and "do not consume" (120 ng/g ww, in red). The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test.

***Bold** p-values indicate significant differences between groups ($p \leq 0.05$).*

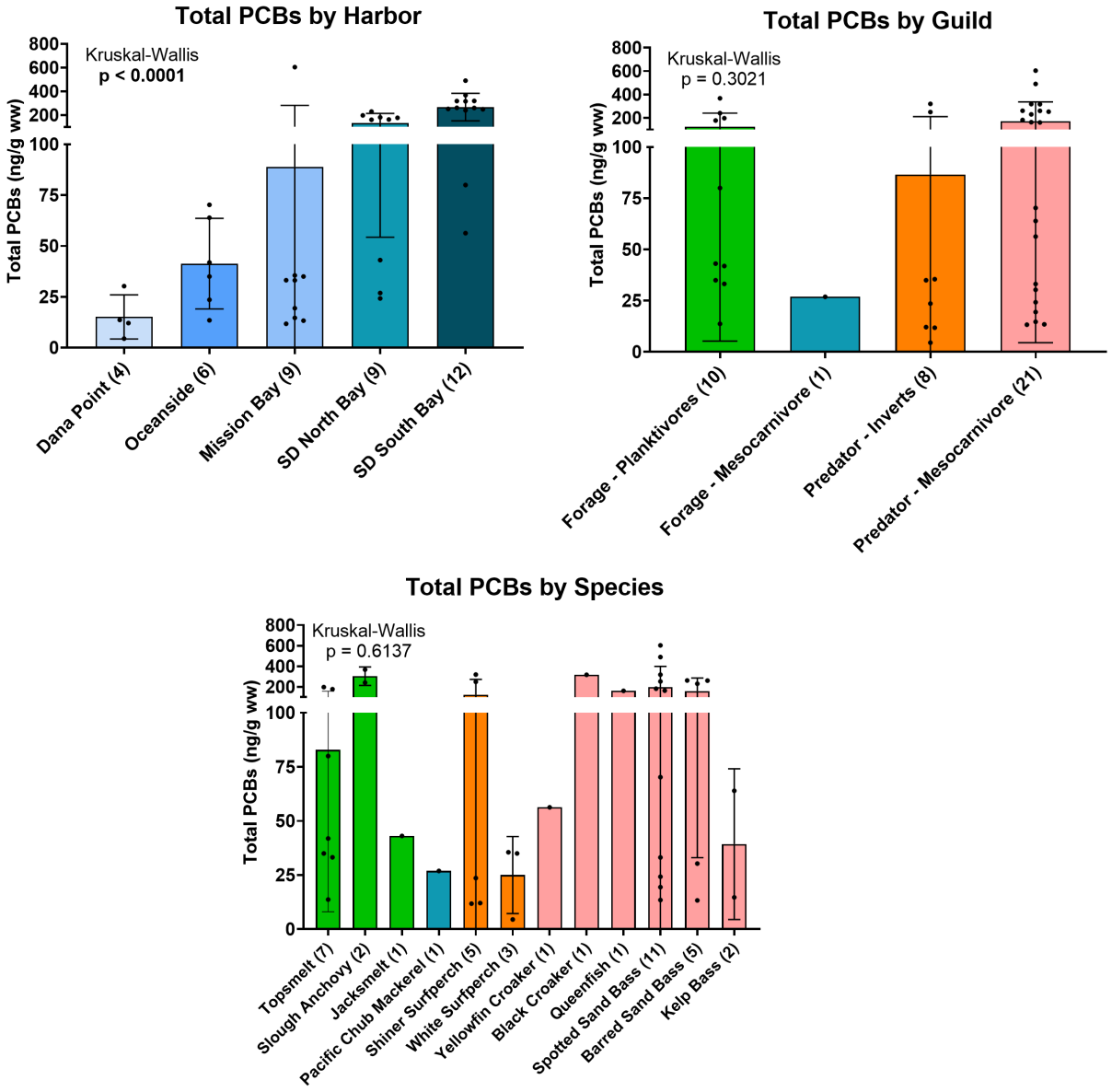


Figure 3-18. Tissue Concentrations of Total PCBs Across Harbors, Feeding Guilds, and Species – Whole Body for Ecological Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$).*

Screening Level Risk Assessment

The concentrations of total PCBs in tissues were compared with several screening-level guidelines based on both human health and wildlife risk. Note that for all of these guideline values, there is no specific guidance on which congeners or Aroclor mixtures shall be summed to derive the total PCB concentrations. The assumption is that the practitioner will use the most complete set of PCB data available; however, it is recommended that future studies consider measuring all 209 PCB congeners to have a most accurate and comparable assessment of PCBs.

Screening-level guidelines are as follows:

- **OEHHA Fish Consumption ATLs:** Tissue concentrations of 9 ng/g ww (seven servings per week), 16 to 120 ng/g ww (no more than three servings per week) and > 120 ng/g ww (no consumption). See Table 2-3 for additional serving limits.
- **OEHHA FCG**: Target tissue level is 3.6 ng/g ww for individuals consuming approximately 8 oz. per week, or approximately 32 g/day.
- **Oregon DEQ (2007):** Lowest ATL for applicable wildlife (880 ng/g ww for mammals); ATL for humans (4.7 ng/g ww – general/recreational); and the CTL in fish, shellfish, or other saltwater aquatic organisms (930 ng/g ww). Reported as total Aroclors.
- **USFWS:** Tissue concentration screening values for San Diego Bay (Zeeman, 2004) – 4,400 ng/g dw[4] NOEC for piscivorous wildlife.
- **USFWS:** Initial wildlife risk-based screening levels for contaminants in tissue of aquatic biota in San Diego Bay (Zeeman, 2016) – 110 to 566 ng/g ww NOEC values to birds[5] from consuming invertebrates or fish; and 1,556 to 7,987 ng/g ww LOEC values to birds from consuming invertebrates or fish.
- **SFBRWQCB TMDL for PCBs in San Francisco Bay (2008):** 10 ng/g ww fish tissue to protect both wildlife and human health (as congeners or Aroclor mixtures).

Human Health

The primary driver of risk from PCB exposure is related to human health, with generally much lower screening values for fish consumption than that for wildlife risk. Most of the fish tissue collected from the San Diego Regional Harbors had total PCB concentrations in skin-off filets or carcass tissues above the OEHHA FCG of 3.6 ng/g ww and between the least restrictive OEHHA ATLs of seven servings per week threshold of 9 ng/g ww and the most restrictive no consumption threshold of 120 ng/g ww (Figure 3-17). Notably, Dana Point Harbor had no fish composites above the 9 ng/g ww threshold. Conversely, the mean values for composite samples in South San Diego

[4] Note that screening levels presented in Zeeman (2004) are presented in dry weight rather than wet weight, which are reported herein and among other referenced studies. Tissue concentrations were converted to dry weight prior to comparing to these screening levels.

[5] Includes the surf scoter, California least tern, Caspian tern, double-crested cormorant, and the Western gull. Prey item tissue screening-level NOEC and LOEC values for the protection of these bird species is provided in Appendix G, along with the associated references cited for the values reported.

Bay exceeded the no-consumption threshold driven by high PCB concentrations in slough anchovy, topsmelt, and Pacific barracuda that were all above 150 ng/g ww. Additionally, one composite sample from both North San Diego Bay (California halibut) and Mission Bay (spotted sand bass) also exceeded the no-consumption threshold. However, two additional spotted sand bass composites from Mission Bay were below the 9 ng/g ww threshold, highlighting the variability evident for spotted sand bass across embayments. Fish tissue collected from Oceanside Harbor had mean total PCB concentrations corresponding to an allowable consumption rate of two to six servings per week for all species.

Ecological Risk

Concentrations of total PCBs in 17 whole body fish tissue samples (43%) from seven species (topsmelt, slough anchovy, shiner surfperch, black croaker, queenfish, spotted sand bass, and barred sand bass) exceeded the USFWS NOEC values for birds consuming invertebrates or fish of 110 ng/g ww (Zeeman, 2016). The seven species represent all the feeding guilds except the forage mesocarnivore guild, which is made up of one composite sample of Pacific chub mackerel from North San Diego Bay. No tissue concentrations exceeded the USFWS NOEC value for piscivorous wildlife of 4,400 ng/g dw (Zeeman, 2004). Tissue concentrations in all samples were below the lowest Oregon DEQ ATL for applicable wildlife (880 ng/g ww), and the Oregon DEQ CTL (930 ng/g ww). All but one (white surfperch composite from Dana Point Harbor) of the tissue samples collected had PCB concentrations above the SFBRWQCB TMDL threshold of 10 ng/g ww for PCBs in San Francisco Bay for both human health and wildlife protection.

3.4.7 Arsenic

Human Health

Mean concentrations of total arsenic in skin-off filet or carcass fish tissue composites analyzed for human health risk ranged from 0.78 µg/g ww in North San Diego Bay to 2.02 µg/g ww in Dana Point Harbor (Figure 3-19), with no significant differences between harbors. Mean concentrations of total arsenic in fish tissue were similar among feeding guilds with the highest mean concentration in the predator mesocarnivore guild (1.62 µg/g ww). However, tissue concentrations of total arsenic in this guild were not significantly different from the other feeding guilds, in which mean concentrations of total arsenic ranged from 0.64 to 1.16 µg/g ww. Mean tissue concentrations of total arsenic within the predator mesocarnivore guild were driven by round rays and kelp bass.

Ecological Risk

Mean concentrations of total arsenic in whole body fish tissue composites analyzed for ecological risk were significantly different across harbors and ranged from 0.75 µg/g ww in South San Diego Bay to 2.07 µg/g ww in Dana Point Harbor (Figure 3-20). Mean concentrations of arsenic in fish tissue were similar among feeding guilds ranging from 0.99 to 1.42 µg/g ww, with the highest mean concentration in the invertebrate predator guild (Figure 3-20). However, tissue concentrations of total arsenic in this guild were not significantly different from the other feeding guild groups. Among species, the highest concentrations of arsenic were observed in kelp bass and white surfperch.

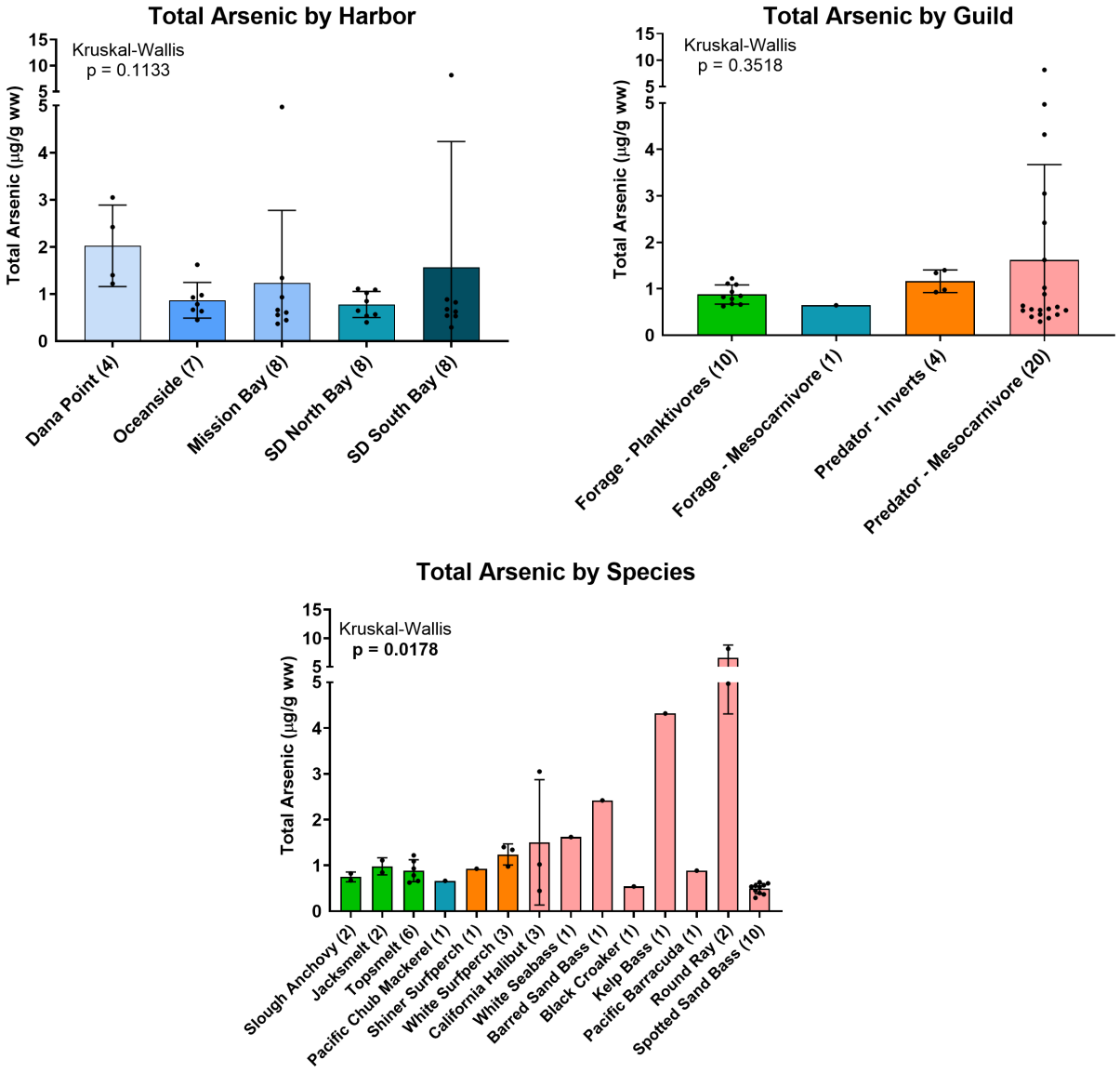


Figure 3-19. Tissue Concentrations of Arsenic Across Harbors, Feeding Guilds, and Species – Filet/Carcass for Human Health Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$).*

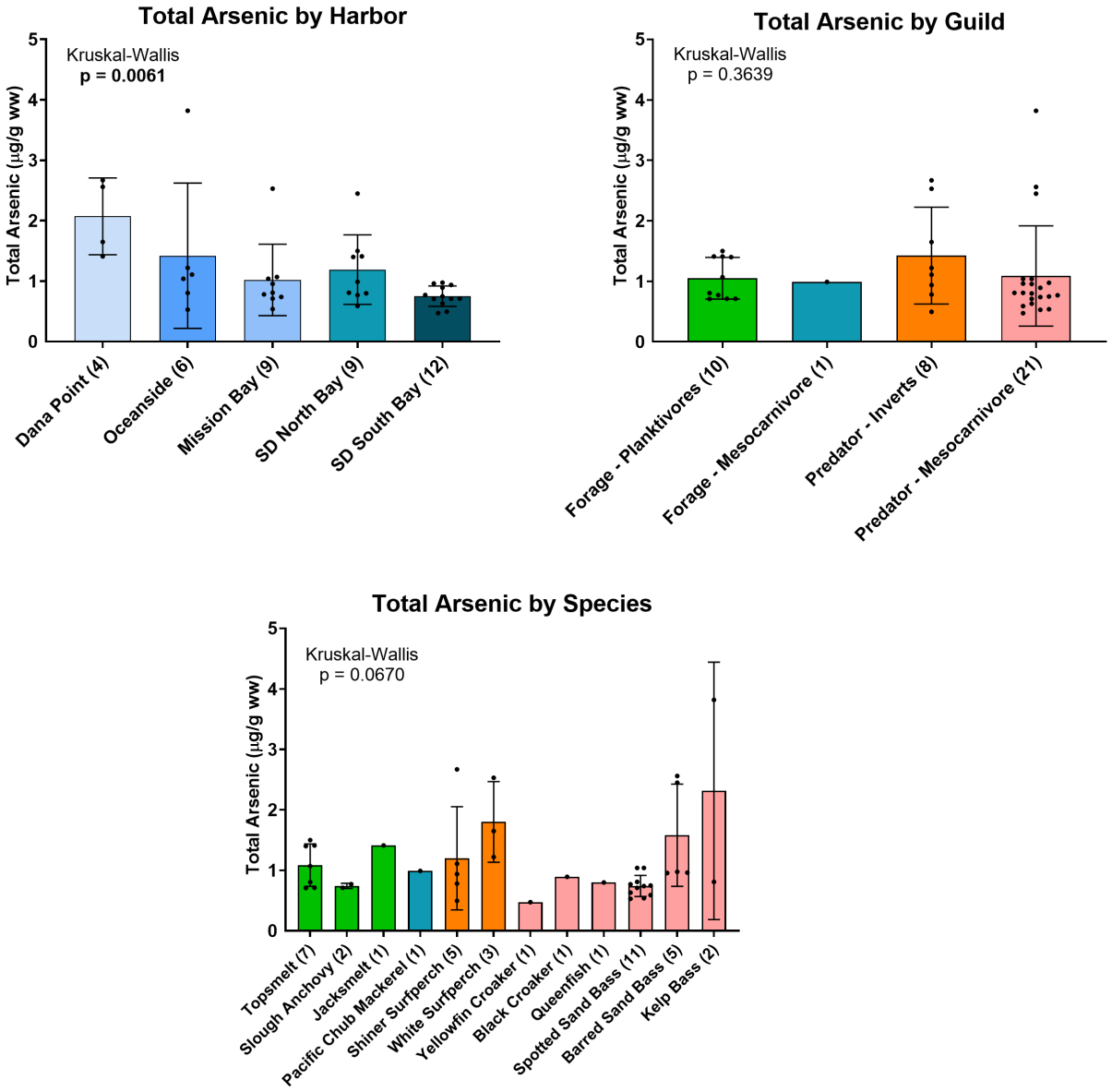


Figure 3-20. Tissue Concentrations of Arsenic Across Harbors, Feeding Guilds, and Species – Whole Body for Ecological Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$).*

Screening Level Risk Assessment

While toxicological effects have been primarily studied among inorganic arsenic, as it is a classified known carcinogen (USEPA Group A), approximately 90-99% of arsenic in seafood is present in its organic form (European Food Safety Authority [EFSA], 2009), for which no human consumption thresholds have been established. However, because only total arsenic was measured, a comparison to risk thresholds for inorganic arsenic is not possible at this time. Analysis of the inorganic fraction may be considered for future efforts.

3.4.8 Mercury

Human Health

Mean concentrations of total mercury in skin-off filet or carcass fish tissue composites analyzed for human health risk ranged from 31.4 ng/g ww in Dana Point Harbor to 85.2 ng/g ww in Mission Bay (Figure 3-21). Although the highest concentrations were observed in Mission Bay and San Diego Bay, there were no significant differences between harbors.

The predator mesocarnivore feeding guild showed the highest mean concentration of total mercury in fish tissue (98.7 ng/g ww), significantly greater than the forage planktivore feeding guild which had a mean tissue concentration of 35.2 ng/g ww. Mean concentrations of total mercury in fish tissue were highest in spotted sand bass, Pacific barracuda, kelp bass, and round ray species, all within the predator mesocarnivore feeding guild (Figure 3-21).

In the 2018 RHMP Bioaccumulation Report (Wood, 2021a), fish length, as a proxy for fish age, was used to normalize mercury tissue concentrations in spotted sand bass and spotfin croaker, including data from historical datasets (Amec Foster Wheeler, 2017a). This assessment was conducted because prior studies have associated fish age with higher concentrations of mercury; however, the analysis performed for the 2018 RHMP using length data indicated no significant differences in patterns observed compared with that using the raw unnormalized data. Based on the results and recommendations in the 2018 RHMP report, this relationship was not explored further in 2023.

Ecological Risk

Mean concentrations of total mercury in whole body fish tissue analyzed for ecological risk ranged from 28.2 ng/g ww in Dana Point Harbor to 58.9 ng/g ww in North San Diego Bay (Figure 3-22). There were no significant differences between harbors.

The predator mesocarnivore feeding guild showed the highest concentration of total mercury in fish tissue (68.2 ng/g ww), which was significantly greater than that in the forage planktivore and predator invertebrate feeding guilds. The forage mesocarnivore feeding guild was not statistically different from the other feeding guilds. Mean concentrations of total mercury in fish tissue in the predator mesocarnivore guild were driven by spotted sand bass, black croaker, and kelp bass (Figure 3-22). Significant differences between species were only observed between spotted sand bass and white surfperch.

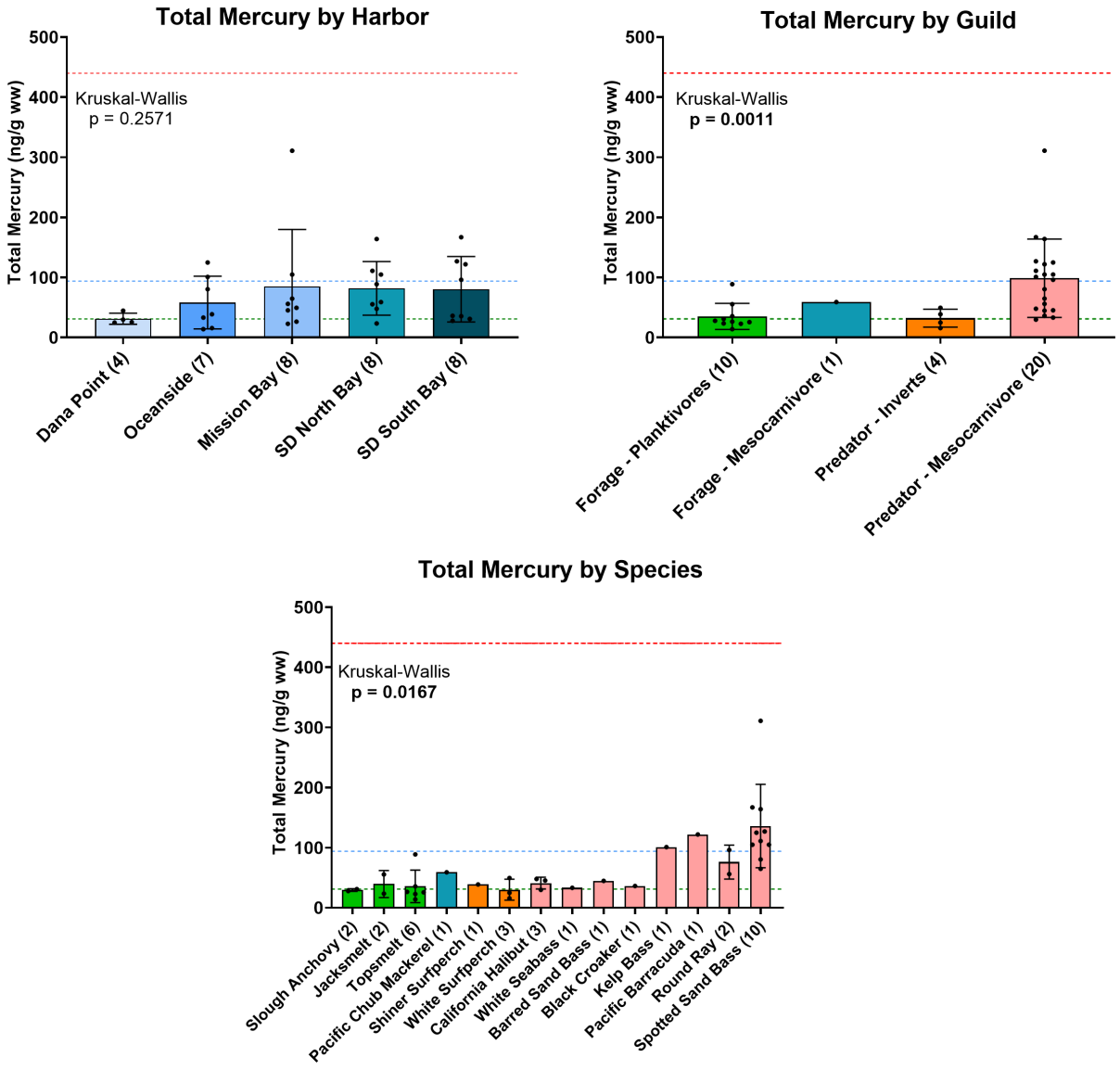


Figure 3-21. Tissue Concentrations of Mercury by Harbors, Feeding Guilds, and Species – Filets/Carcass for Human Health Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. The dotted lines represent the upper and lower OEHHA ATLs for Women 18-45 and children 1-17 of seven servings per week (31 ng/g ww, in green) and "do not consume" (440 ng/g ww, in red), and for women over age 45 and men of seven servings per week (94 ng/g ww, in blue) and "do not consume" (1,310 ng/g ww, not shown). Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$).*

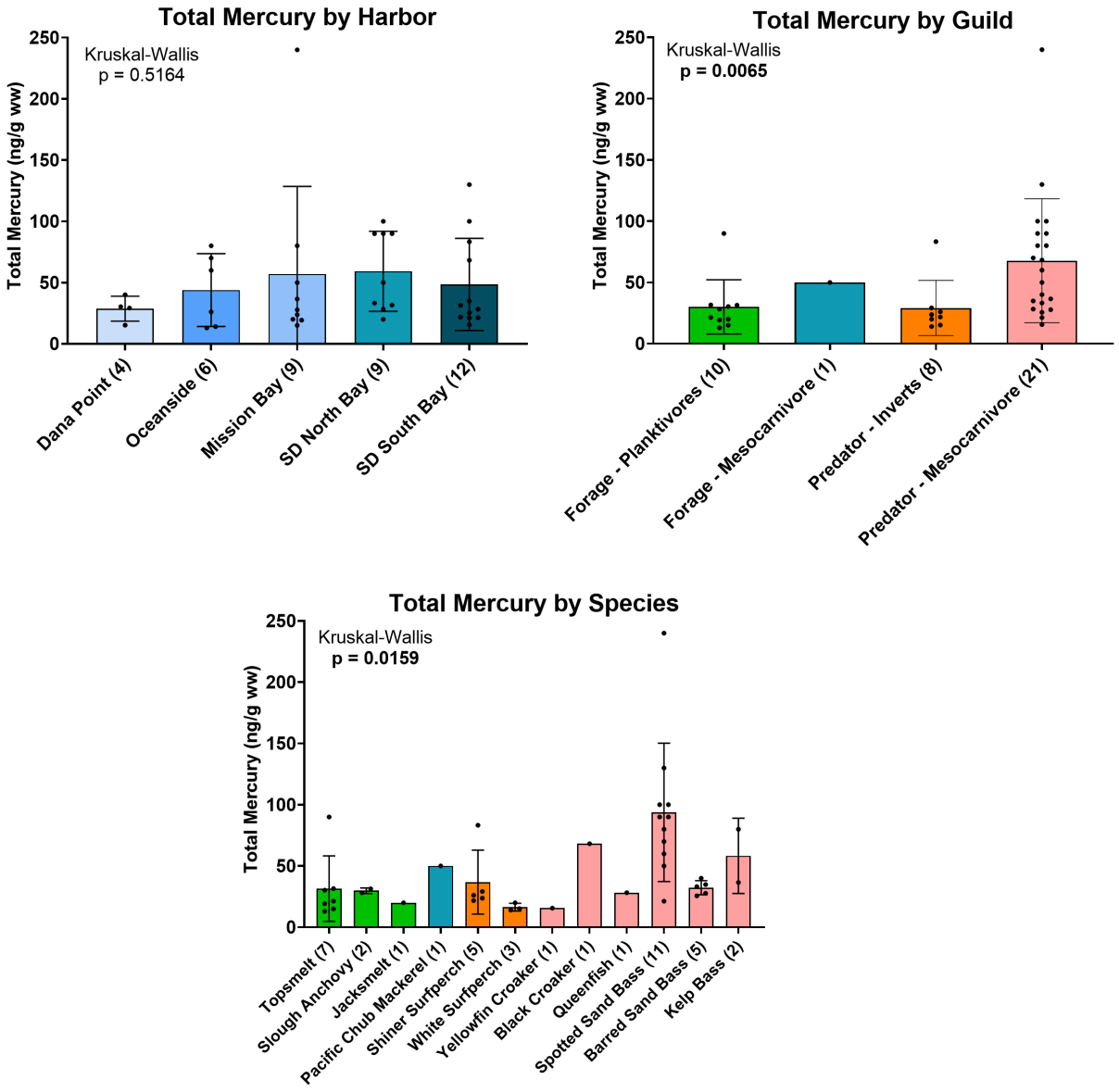


Figure 3-22. Tissue Concentrations of Mercury Across Harbors, Feeding Guilds, and Species – Whole Body for Ecological Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups was determined using a Kruskal-Wallis ANOVA test. ***Bold*** *p-values indicate significant differences between groups ($p \leq 0.05$).*

Screening Level Risk Assessment

The concentrations of total mercury in tissues were compared with several screening-level guidelines based on both human health and wildlife risk as follows:

- **OEHHA Fish Consumption ATLs:** Tissue concentrations for seven servings per week: 31 ng/g ww (women aged 18–45 years and children 1–17 years), and 94 ng/g ww (women > 45 years of age and men). No more than three servings per week: 55 to 440 ng/g ww (women aged 18–45 years and children 1–17 years), and 160 to 1,310 ng/g ww (women > 45 years of age and men). No consumption: > 440 ng/g ww (women aged 18–45 years and children 1–17 years), and > 1,310 ng/g (women > 45 years of age and men).
- **OEHHA FCG**: Target tissue level is 220 ng/g ww for individuals consuming approximately 8 oz. per week, or approximately 32 g/day.
- **Oregon DEQ (2007):** Lowest ATL for applicable wildlife (74 ng/g ww for birds); ATL for humans (400 ng/g ww – general/recreational); and the CTL in fish, shellfish, or other saltwater aquatic organisms (180 ng/g ww). Reported as either total inorganic mercury or methyl mercury.
- **USFWS**: Screening values for San Diego Bay (Zeeman, 2004): 200 ng/g dw[6] LOEC value for piscivorous wildlife.
- **USFWS:** Initial wildlife risk-based screening levels for contaminants in tissue of aquatic biota in San Diego Bay (Zeeman, 2016): 4.9 to 25.2 ng/g ww NOEC values to birds from consuming invertebrates or fish; and 12.3 to 62.9 ng/g ww (most sensitive) or 221 to 1,132 ng/g ww (mid-range) LOEC values to birds from consuming invertebrates or fish.

Human Health

Mean concentrations of total mercury in skin-off filet or carcass fish tissue composites exceeded the most conservative OEHHA ATL of 31 ng/g ww (women 18–45, children 1–17) in all harbors, with the lowest mean concentration of 31.4 ng/g ww observed in Dana Point Harbor. Mean concentrations of total mercury across all harbors were lower than the threshold of 94 ng/g ww (women >45, men) (Figure 3-21). All of the harbors except Dana Point Harbor had at least one individual composite sample greater than the OEHHA ATL threshold of 94 ng/g ww (women >45, men). Spotted sand bass, Pacific barracuda, kelp bass, and round rays had average total mercury concentrations between 76.1 and 136 ng/g ww, which is in the two servings per week range for young women and children (70 to 150 ng/g ww) and between four and seven servings per week for older women and men. Mean concentrations of mercury in skin-off filet or carcass fish tissue from all other species collected were above the seven servings per week threshold for young women and children, indicating this group should consume less than seven servings per week to be safe; however, the concentrations for these species were below the seven servings per week threshold for men and older women, indicating minimal risk for daily consumption. No composite

[6] Note that screening levels presented in Zeeman (2004) are presented in dry weight rather than wet weight, which are reported herein and among other referenced studies. Tissue concentrations were converted to dry weight prior to comparing to these screening levels.

fish tissue concentrations exceeded the OEHAA “do not consume” thresholds for either young women and children or older women and men.

Ecological Risk

Approximately 25% (n=10) of whole-body fish composites analyzed for ecological risk had tissue concentrations of total mercury above the lowest Oregon DEQ ATL for applicable wildlife (74 ng/g ww) and 2.5% (n=1) above the CTL in fish, shellfish, or other saltwater aquatic organisms (180 ng/g ww). Of the 10 samples that had total mercury concentrations above the Oregon DEQ screening levels, seven samples were spotted sand bass and the remaining three samples were topsmelt, shiner surfperch, and kelp bass. All whole-body tissue samples had mercury concentrations above screening levels listed by the USFWS for contaminants in tissue of aquatic biota in San Diego Bay (Zeeman, 2016).

3.4.9 Selenium

Human Health

Among embayments, mean concentrations of selenium in skin-off filet or carcass fish tissue analyzed for human health risk ranged from 0.27 µg/g ww in Oceanside Harbor to 0.40 µg/g ww in South San Diego Bay and were not statistically different (Figure 3-23).

Among feeding guilds, the forage mesocarnivore feeding guild had the highest mean concentration of total selenium in fish tissue compared to the other three guilds at 0.50 µg/g ww. Mean concentrations of total selenium in filet or carcass tissue composites from the other three guilds were similar and ranged from 0.27 to 0.36 µg/g ww. Total selenium concentrations in fish tissue among species had little variation, with mean concentrations ranging between 0.25 µg/g ww in Pacific barracuda and 0.62 µg/g ww in round rays (Figure 3-23).

Ecological Risk

Mean concentrations of selenium in whole body fish tissue analyzed for ecological risk were statistically similar across embayments and ranged from 0.34 µg/g ww in Oceanside Harbor to 0.50 µg/g ww in North San Diego Bay (Figure 3-24).

Among feeding guilds, the forage mesocarnivore feeding guild had the highest mean concentration of total selenium (1.22 µg/g ww) in fish tissue compared to the other three guilds (0.39 to 0.44 µg/g ww). Total selenium concentrations in whole body fish tissue composites among species had little variation except one composite sample of Pacific chub mackerel (1.22 µg/g ww). The mean concentrations of total selenium for the rest of the species tested ranged between 0.34 and 0.70 µg/g ww (Figure 3-24).

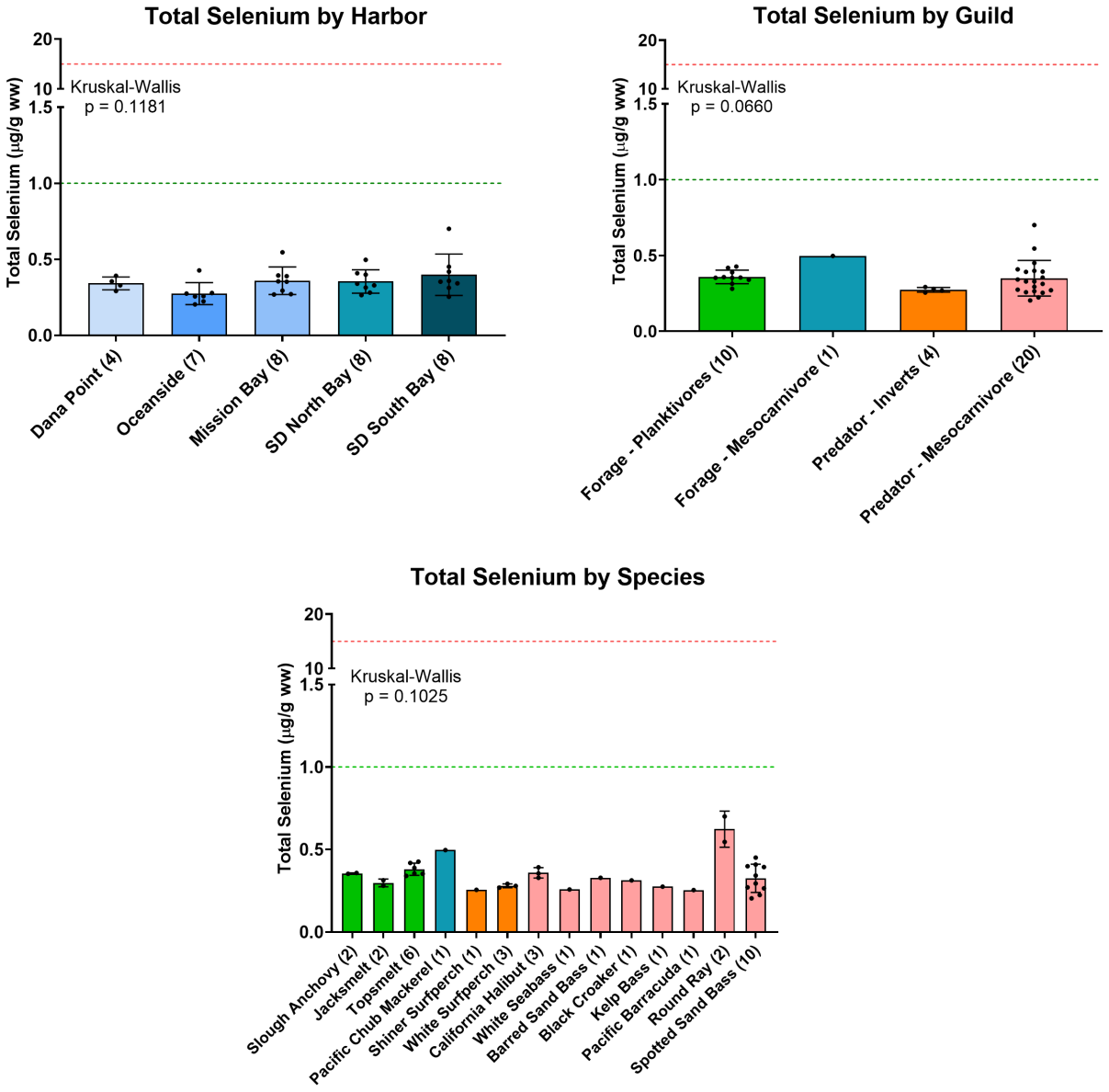


Figure 3-23. Tissue Concentrations of Selenium Across Harbors, Feeding Guilds, and Species – Filet/Carcass for Human Health Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. The dotted lines represent the upper and lower OEHHA ATLs of seven servings per week (1.0 µg/g ww, in green) and "do not consume" (15 µg/g ww, in red). Statistical significance between groups ($p \leq 0.05$) was determined using a Kruskal-Wallis ANOVA test. There were no significant differences between groups.

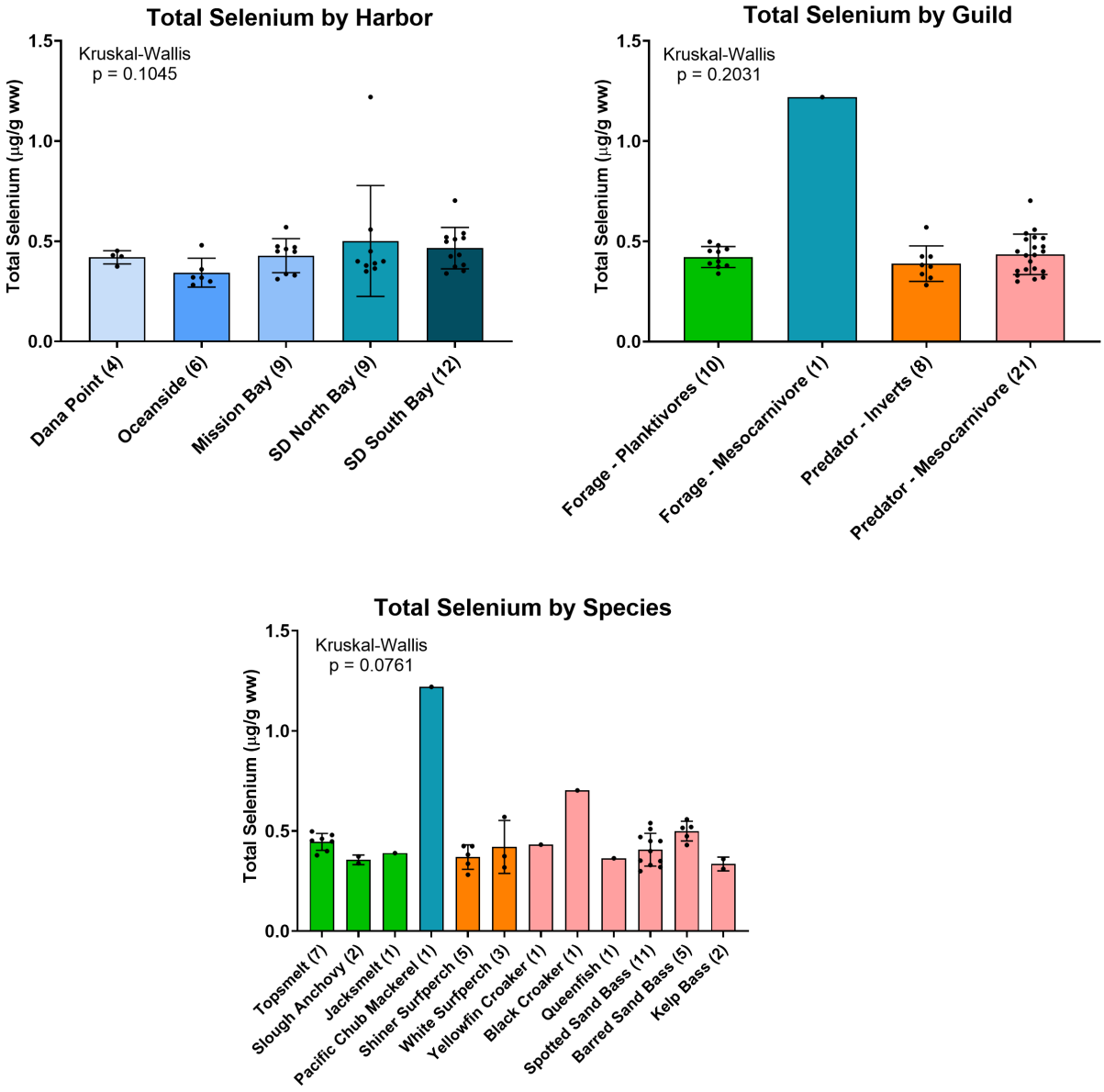


Figure 3-24. Tissue Concentrations of Selenium Across Harbors, Feeding Guilds, and Species – Whole Body for Ecological Risk

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. Statistical significance between groups ($p \leq 0.05$) was determined using a Kruskal-Wallis ANOVA test. There were no significant differences between groups.

Screening Level Risk Assessment

The concentrations of selenium in tissues were compared with several screening-level guidelines based on both human health and wildlife risk as follows:

- **OEHHA Fish Consumption ATLs:** Tissue concentrations at or below 1.0 µg/g ww (seven servings per week), 1.8 to 15 µg/g ww (no more than three servings per week), and > 15 µg/g ww (no consumption).
- **OEHHA FCG**: Target tissue level is 7.4 µg/g ww for individuals consuming approximately 8 oz. per week, or approximately 32 g/day.
- **Oregon DEQ (2007):** Lowest ATL for applicable wildlife (0.036 µg/g ww for mammals and 0.23 µg/g ww for individual birds); ATL for humans (20 µg/g ww – general/recreational); and the CTL in fish, shellfish, or other saltwater aquatic organisms (0.34 µg/g ww).
- **SFBRWQCB TMDL for selenium in San Francisco Bay (2015):** 8.0 µg/g dw[7] whole body fish tissue or 11.3 µg/g dw fish muscle tissue to protect both wildlife and human health.

Human Health

All skin-off filet and carcass fish tissue sample composites analyzed for human health had concentrations of total selenium below the most conservative OEHHA ATL of 1.0 µg/g ww (Figure 3-23).

Ecological Risk

All fish whole body tissue samples analyzed for ecological risk exceeded the lowest ATL for applicable wildlife established by the Oregon DEQ of 0.036 µg/g ww for mammals and 0.23 µg/g ww for individual birds. Applicability of selenium ATL and CTL values derived by the Oregon DEQ to species found in the San Diego region is uncertain at this time without further investigation. No whole body tissue samples exceeded the numeric target (8.0 µg/g dw) for protection of wildlife established by the San Francisco Bay selenium TMDL (SFBRWQCB, 2015).

[7] Note that screening levels presented in the SFBRWQCB TMDL for selenium in San Francisco Bay are presented in dry weight rather than wet weight, which are reported herein and among other referenced studies. Tissue concentrations were converted to dry weight prior to comparing to these screening levels.

3.5 Spatial Variability of Tissue Concentrations in Select Fish Species (Topsmelt and Bass) Relative to Average Harbor Sediment Concentrations

Primary target species included spotted sand bass and Pacific topsmelt as these species are usually caught across all embayments, represent benthic and pelagic feeding guilds, and are species commonly used in human health and ecological risk assessments under the SQO framework outlined in Chapter IV.A.2 of the *Water Quality Control Plan for Enclosed Bays and Estuaries of California, Sediment Quality Provisions* (Beegan and Faick, 2018). Kelp bass and barred sand bass, closely related to spotted sand bass and all in the genus *Paralabrax,* are secondary targets. While life history differences for the three species of bass are briefly discussed in Section 3.3, the frequency of occurrence of at least one of these species in all RHMP harbors provides an opportunity for comparison of spatial distributions across harbors and within the genus for species captured in the same harbor. Only composites analyzed for human health risk are discussed below in relation to applicable consumption guidelines.

Topsmelt were successfully captured across all harbors, while spotted sand bass were captured in all harbors except Dana Point Harbor (Table 3-4). One composite of barred sand bass (*P. nubilifer*) was captured in Dana Point, and one composite of kelp bass (*P. clathratus*) was captured in Oceanside Harbor. Mean tissue concentrations and applicable consumption guidelines, including OEHHA FCGs and ATLs (selenium, mercury, total chlordanes, total DDTs, total PCBs) and 2025 Great Lakes Consortium Best Practice Guidelines for PFOS, are highlighted for topsmelt and bass in Table 3-4.



Topsmelt from Dana Point Harbor

For topsmelt, mercury, total PCBs, total chlordanes, and PFOS were the only COPCs to exceed concentrations in fish tissue beyond the FCG and have consumption limited below seven servings per week. Topsmelt from South San Diego Bay were the only composite to be categorized as “do not consume” for PCBs (Table 3-4).

Mean tissue concentrations in bass skin-off filet composites did not exceed any consumption guideline thresholds for selenium, total chlordanes, or total DDTs. However, there were consistent consumption guideline exceedances in bass composites across harbors for mercury and total PCBs. In addition, mean tissue concentrations of PFOS in North and South San Diego Bay fell into the one to two servings per week consumption categories, while the remaining harbors had mean concentrations allowing consumption of four or more meals per week. None of the COPCs analyzed exceeded a “do not consume” threshold in bass composites (Table 3-4).

A regression analysis comparing mean concentrations of PCBs, PFOS, chlordanes, DDTs, and mercury in sediments (see Table 3-1) and tissue concentrations (see Table 3-4) in spotted and barred sand bass (filets) and Pacific topsmelt (carcass) indicated no significant correlations between tissue concentrations and average sediment concentrations across all harbors. For PCBs, the poor correlation between sediment and tissue concentrations is not unexpected given

the results of a calibrated model for these species in San Diego Bay (Toll, 2019) that shows water column particulates and dissolved PCBs can account for significant routes of exposure (11 to 40% of total predicted tissue concentrations in sand bass) compared to sediments alone. In areas where sediment concentrations are elevated, such as around historically industrial areas, the calibrated model predicts greater contributions of sediments to tissue concentrations (85% of tissue concentrations in sand bass) compared to San Diego Bay as a whole (44%; Port of San Diego and City of San Diego, 2025).

These results suggest that bass and topsmelt in the San Diego Regional Harbors may be utilizing habitats within the embayments that are not well represented by the sampling design of the RHMP, are exposed to contaminants in the water column, or these fish may be accumulating contaminants while migrating between offshore and estuarine habitats. Our limited understanding of their home ranges is a current data gap; however, it is well known that habitat usage for many species will vary across life stages, depend on availability of prey, and may vary with seasonal migratory patterns, all of which will have some impact on the patterns of bioaccumulation.

3.6 Spatial Variability of Human Health Screening Level Exceedances

A comparison of measured tissue concentrations in fish with available human health criteria provided a means to evaluate comparative risk for those bioaccumulative COPCs measured. A summary of human health screening exceedances for each of the COPCs is presented in Table 3-5.

Table 3-4. Mean Tissue Concentrations and Consumption Guideline Categories for Topsmelt and Bass Across RHMP Harbors

Harbor	Species (n = number of composites)	Average Total Length	Percent Lipids	Arsenic (As)	Mercury (Hg)	Selenium (Se)	Total Chlordanes	Total DDTs	Dieldrin	Total PAHs	Total PCBs	PFOS	PFOA
Units		mm	%	µg/g ww	µg/g ww	µg/g ww	ng/g ww	ng/g ww	ng/g ww	ng/g ww	ng/g ww	ng/g ww	ng/g ww
Forage - Planktivore													
Dana Point Harbor	Topsmelt (n=1)	152	1.58	1.22	0.026	0.355	0.29	8.46	ND	ND	4.52	ND	ND
Oceanside Harbor	Topsmelt (n=1)	67	1.41	0.78	0.014	0.427	183	21.7	ND	5.34	26.7	1.24	0.16
Mission Bay	Topsmelt (n=2)	129	0.97	0.80	0.025	0.371	5.90	8.9	2.7 E*	ND	33.1	1.37	0.20
North SD Bay	Topsmelt (n=1)	177	3.41	1.09	0.089	0.340	1.81	23.7	ND	12.9	97.1	7.74	0.21
South SD Bay	Topsmelt (n=1)	161	1.20	0.62	0.036	0.419	0.50	13.0	ND	ND	223	3.24	0.14
Predator - Mesocarnivore													
Dana Point Harbor	Barred Sand Bass (n=1)	247	1.60	2.42	0.045	0.329	1.49	6.03	ND	3.46	5.92	0.16	ND
Oceanside Harbor	Spotted Sand Bass (n=2)	310	0.75	0.54	0.103	0.214	0.12	12.5	ND	1.22	10.3	0.72	0.08
Oceanside Harbor	Kelp Bass (n=1)	257	0.58	4.32	0.101	0.275	ND	4.51	ND	29.3	26.5	2.46	0.19
Mission Bay	Spotted Sand Bass (n=3)	307	0.56	0.51	0.160	0.320	2.48	4.10	ND	ND	68.1	0.20	ND
North SD Bay	Spotted Sand Bass (n=3)	286	0.86	0.50	0.127	0.358	0.28	2.23	ND	3.76	34.8	6.66	0.63
South SD Bay	Spotted Sand Bass (n=2)	298	0.50	0.41	0.147	0.397	0.23	1.41	ND	ND	56.7	2.61	0.34

Notes:
Blue = above FCG, Green = 5–7 servings/week (4 or more servings/week for PFOS), Yellow = 2–4 servings/week (2 servings/week for PFOS), Red = 1 serving/week, Orange = Do Not Consume
There are no consumption guidelines available for percent lipids, arsenic, total PAHs, and PFOA.
E* = Detectable dieldrin results were determined by the analytical laboratory to be detected but not quantifiable and flagged as estimated. Therefore, results were not compared with screening level guidelines for these samples (see Section 3.8.2).
% = percent; µg/g = microgram(s) per gram; mm = millimeter(s); ND = not detected; ng/g = nanogram(s) per gram; ww = wet weight

Table 3-5. Summary of Human Health Screening Level Exceedances

COPC	Screening Level Source	Screening Level Description	Screening Level (ng/g ww)	Number of Screening Level Exceedances					
				Dana Point Harbor	Oceanside Harbor	Mission Bay	North SD Bay	South SD Bay	All Harbors
Number of Samples (n)				***4***	***7***	***8***	***8***	***8***	***35***
Total Chlordanes[1]	OEHHA Fish Consumption ATL	No consumption	560	0	0	0	0	0	0
	OEHHA FCG	8 oz per week (32 g/day) over a lifetime	5.6	0	**2**	**2**	0	0	**4**
Total DDTs[2]	OEHHA Fish Consumption ATL	No consumption	2,100	0	0	0	0	0	0
	OEHHA FCG	8 oz per week (32 g/day) over a lifetime	21	0	**4**	0	**3**	**1**	**8**
Total Dieldrin	OEHHA Fish Consumption ATL	No consumption	46	NA*	NA*	NA*	NA*	NA*	NA*
	OEHHA FCG	8 oz per week (32 g/day) over a lifetime	0.46	NA*	NA*	NA*	NA*	NA*	NA*
Total PAHs[3]	No applicable OEHHA screening levels			NA	NA	NA	NA	NA	NA
PFOS	2025 Great Lakes Consortium for Fish Consumption Advisories Best Practices for PFOS Guidelines	No consumption	40	0	0	0	0	0	0
Total PCBs[4]	OEHHA ATL	No consumption	120	0	0	**1**	**1**	**4**	**6**
	OEHHA FCG	8 oz per week (32 g/day) over a lifetime	3.6	**4**	**7**	**8**	**8**	**8**	**35**
Arsenic	No applicable OEHHA screening levels			NA	NA	NA	NA	NA	NA
Mercury	OEHHA Fish Consumption ATL	No consumption (Women aged >45 years and men)	1,310	0	0	0	0	0	0
		No consumption (Women aged 18-45 years and children aged 1-17 years)	440	0	0	0	0	0	0
	OEHHA FCG	8 oz per week (32 g/day) over a lifetime	220	0	0	**1**	0	0	**1**
Selenium	OEHHA Fish Consumption ATL	No consumption	15,000	0	0	0	0	0	0
	OEHHA FCG	8 oz per week (32 g/day) over a lifetime	7,400	0	0	0	0	0	0

Notes:

ATL = advisory tissue level; COPC = contaminant or chemical of potential concern; DDT= dichlorodiphenyltrichloroethane; FCG = fish contaminant goal; g/day = gram(s) per day; OEHHA = Office of Environmental Health Hazard Assessment; oz = ounce(s); NA = not applicable; ng/g ww = nanogram(s) per gram wet weight; PAH = polycyclic aromatic hydrocarbon; PCB = polychlorinated biphenyl; SD = San Diego

Bold indicates 1 or more screening level exceedances.

* = Detectable dieldrin results were determined by the analytical laboratory to be detected but not quantifiable and flagged as estimated. Therefore, results were not compared with screening level guidelines for these samples (see Section 3.8.2).

1 = Total Chlordanes includes the sum of alpha-chlordane, gamma-chlordane, cis-nonachlor, trans-nonachlor, and oxychlordane.

2 = Total detectable DDTs includes the sum of 2,4'-DDD, 4,4'-DDD, 2,4'-DDE, 4,4'-DDE, 2,4'-DDT, and 4,4'-DDT.

3 = Total PAHs includes the sum of acenaphthene, acenaphthylene, anthracene, benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[e]pyrene, benzo[g,h,i]perylene, benzo[k]fluoranthene, biphenyl, chrysene, dibenz[a,h]anthracene, dibenzothiophene, fluoranthene, fluorene, indeno(1,2,3-c,d)pyrene, naphthalene, perylene, phenanthrene, pyrene, 2,6-dimethylnaphthalene, 1-methylnapthalene, 2-methylnapthalene, 1-methylphenanthrene, and 1,6,7-trimethylnaphthalene.

4 = Total PCBs includes the sum of congeners: PCB-3, 5, 8, 15, 18, 27, 28, 29, 31, 33, 37, 44, 49, 52, 56/60, 66, 70, 74, 77, 81, 87, 95, 97, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 132/168, 137, 138, 141, 149, 151, 153, 156, 157, 158, 167, 169, 170, 174, 177, 180, 183, 187, 189, 194, 195, 199, 201, 203, 206, and 209.

3.7 Historical Tissue Concentration Analysis

An evaluation of historical tissue concentrations was performed for total PCBs and mercury, as these two COPCs had the most exceedances of ATLs and ecological risk thresholds. Total PCBs were analyzed using raw and lipid-normalized concentrations to account for interannual variability in lipid content. Data used in this evaluation were compiled from the RHMP in 2008, 2013, 2018, and 2023. Fish tissue data collected as part of the 2008 RHMP (fish capture in 2009) was presented in the State of California SWAMP Bioaccumulation in Sport Fish Study published in 2012 (Davis et al., 2012). Note that the SWAMP Program with data collected in 2009 analyzed 56 PCB congeners while 62 congeners were analyzed and reported during RHMP in 2013, 2018, and 2023. While not included here, analysis of all 209 congeners would provide a more accurate representation of total PCBs in tissues.

The 2009 and 2018 studies were part of the State of California assessment of fish tissues for human consumption; therefore, the tissues analyzed were skin-off filets for sport fish and carcass (i.e., head, tail, and guts removed) for smaller fish. The 2013 study was performed with a primary focus on ecological risk assessment with tissue composites made using only whole fish. The difference in fish processing methods could possibly result in higher concentrations measured in the whole fish from 2013 compared to just muscle tissue for 2009 and 2018, so this difference should be noted when interpreting results. In 2023, both human health (skin-off filets and carcass of smaller fish) and ecological risk (whole fish) data are available and included here for comparison to previous studies with similar data.

This section highlights historical fish tissue concentration data but does not attempt to make definitive conclusions related to temporal trends due to limited comparable datasets to provide a statistically robust assessment. Although composite tissue data is limited for several species and consistent sampling locations over time, these data are still presented highlighting what is available for simple comparison purposes.

Historical analysis of tissue concentrations over the past 15 years was performed for each region individually as the species composition and sediment characteristics vary among harbors. Fish species were selected for each harbor based on the criteria that, (1) they were captured in as many years as possible, (2) had the most replication as possible, (3) are targeted sport fish for recreational and subsistence fishermen, and (4) represented as many feeding guilds as possible. Not all species were sampled every year for each harbor. Comparisons to OEHHA human health ATL values are provided for context as well. Consistent with results provided in Section 3.4, only the least restrictive ATL (up to seven meals per week) and the most restrictive “do not consume” thresholds are shown on figures where appropriate (see Table 2-3 for other ATLs). Note that these thresholds only apply to the human health (green) bars in the figures below, while thresholds for ecological risk are not depicted.

Dana Point Harbor

Historical analysis of fish tissue data for Dana Point Harbor was performed for barred sand bass, shiner surfperch, and white surfperch (Figure 3-25). Only the 2023 survey had an ecological risk assessment performed on whole fish for these species, so historical comparisons are only discussed for skin-off filets and carcass tissues used for human health risk analysis.

In 2009, white surfperch and shiner surfperch had PCB concentrations above the most conservative ATL threshold, but less than the no consumption threshold. Concentrations of PCBs in shiner surfperch decreased in 2018 but remained above the seven servings per week threshold; shiner surfperch were not analyzed for human health risk in 2023. Concentrations of PCBs in white surfperch also decreased in 2018 and remained relatively consistent in 2023, falling below the seven servings per week threshold in both years. Barred sand bass were not analyzed for human health risk in 2009 or 2013. Concentrations of PCBs in barred sand bass were higher in 2018 compared to 2023, with the 2018 composite above the least restrictive ATL and the 2023 composite below the same threshold.

Both perch species had mercury concentrations below the lowest ATL for young women and children in 2009, 2018, and 2023. Mercury concentrations in barred sand bass were above the lowest ATL for young women and children in 2018 and 2023 but did not exceed the lowest ATL for older women and men in either year.

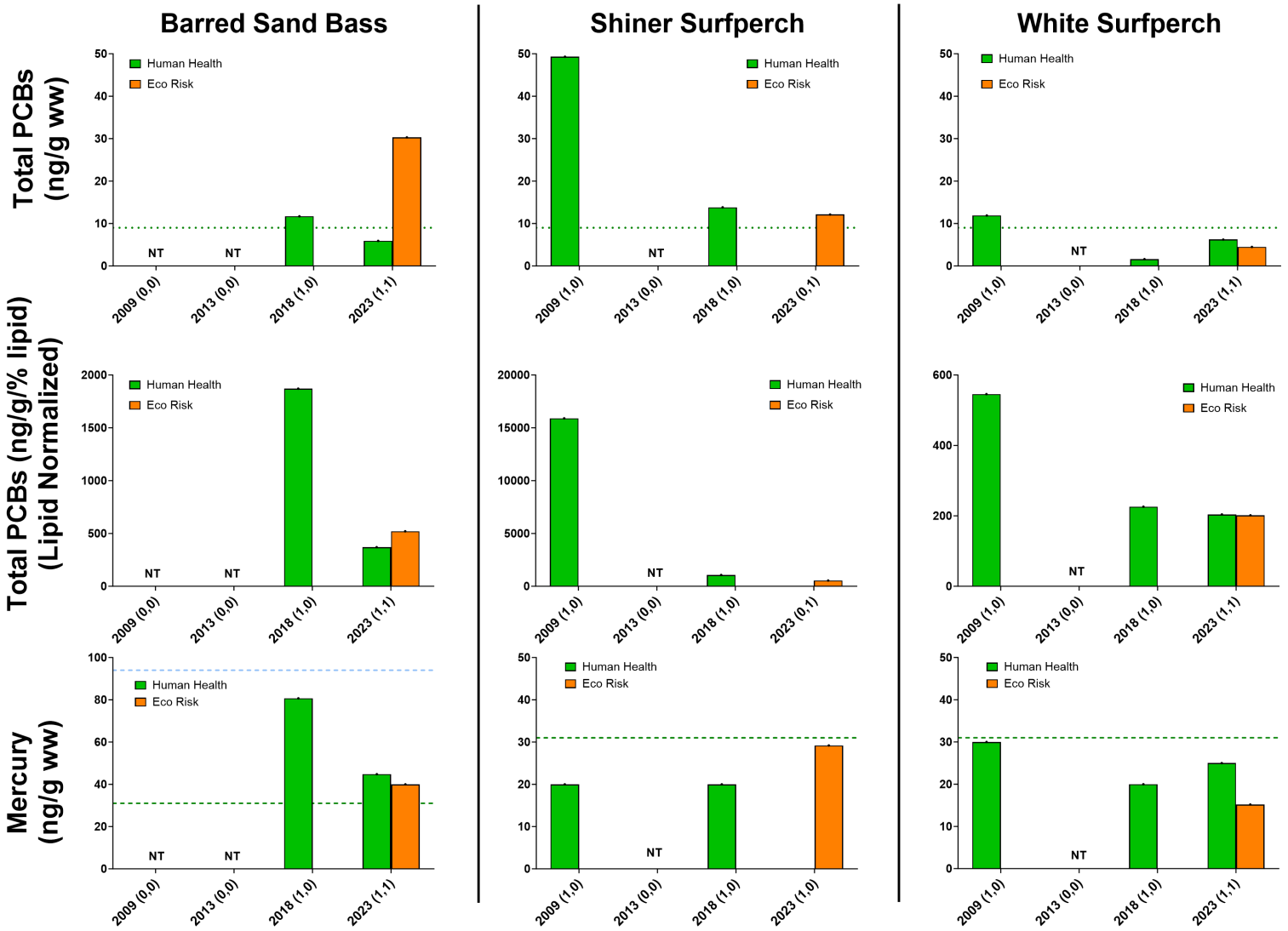


Figure 3-25. Historical Fish Tissue Concentrations of PCBs and Mercury in Dana Point Harbor

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The dotted lines represent the lower OEHHA ATLs of seven servings per week for PCBs (9 ng/g ww, in green) and for mercury (31 ng/g ww for women 18-45 and children 1-17, in green; and 94 ng/g ww for women >45 and men, in blue).The number of samples represented by each bar is indicated in the parentheses after each site name (# Human Health, # Ecological Risk) on the x-axis. "NT" = Not Tested.

Oceanside Harbor

Historical analysis of fish tissue data for Oceanside Harbor was performed for spotted sand bass, shiner surfperch, and white surfperch (Figure 3-26). Only the 2023 survey had an ecological risk assessment performed on whole fish for these species, so historical comparisons are only discussed for skin-off filets and carcass tissues used for human health risk analysis.

Shiner surfperch and spotted sand bass were not analyzed for human health risk in 2009 or 2013. In 2018 and 2023, concentrations of PCBs in shiner surfperch and spotted sand bass were above the most conservative ATL threshold, with relatively consistent concentrations across the two survey years. White surfperch PCB tissue concentrations have fluctuated across 2009, 2018, and 2023, exceeding the most conservative threshold in 2009 and 2023 but not in 2018. Lipid normalized PCB concentrations in white surfperch decreased over time, suggesting that 2023 sampling of this species may have occurred at a time when individuals sampled were higher in stored lipids that led to higher raw PCB concentrations. Increased lipid storage could be in part due to environmental conditions, prey availability, differential lipid storage due to sex and reproductive status, or other variables beyond the control of this study but important to consider when examining temporal trends.

Spotted sand bass had consistent mercury concentrations in tissues in 2018 and 2023, with mean concentrations above the most conservative thresholds for all groups. The two perch species, despite both belonging to the predator invertebrate feeding guild, had opposite trends in terms of mercury tissue concentrations with shiner surfperch increasing from 2018 to 2023 while white surfperch decreased over the same time period. Concentrations of mercury in white surfperch were just below the most conservative threshold for younger women and children in 2018 and well below the threshold in 2023, while concentrations in shiner surfperch were below the threshold in 2018 and then exceeded it in 2023.

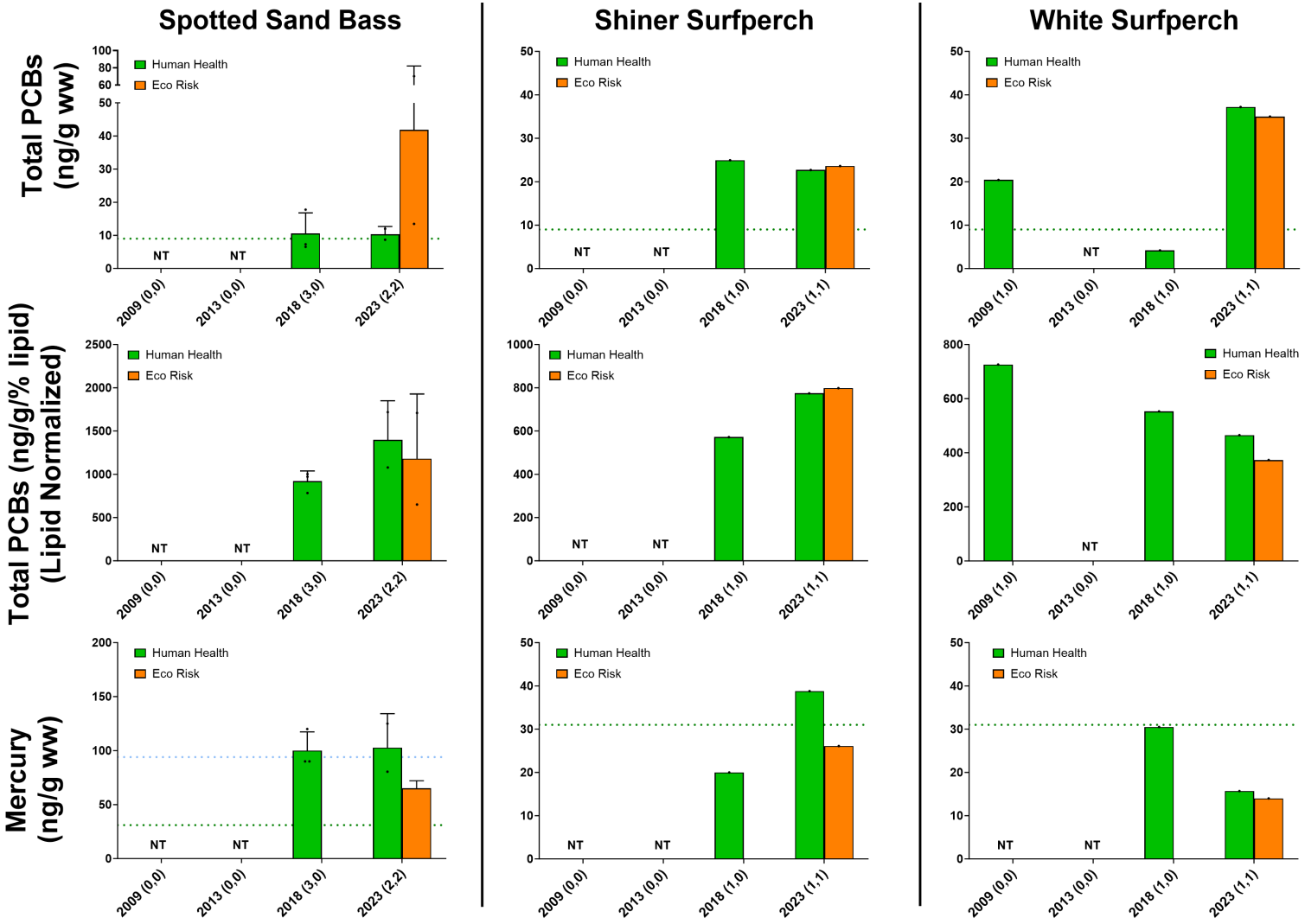


Figure 3-26. Historical Fish Tissue Concentrations of PCBs and Mercury in Oceanside Harbor

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The dotted lines represent the lower OEHHA ATLs of seven servings per week for PCBs (9 ng/g ww, in green) and for mercury (31 ng/g ww for women 18-45 and children 1-17, in green; and 94 ng/g ww for women >45 and men, in blue).The number of samples represented by each bar is indicated in the parentheses after each site name (# Human Health, # Ecological Risk) on the x-axis. "NT" = Not Tested.

** = 2013 fish analyzed as whole fish compared to 2009 and 2018 which analyzed skin off filets.*

Mission Bay

Historical analysis of fish tissue data for Mission Bay was performed for spotted sand bass, shiner surfperch, and white surfperch (Figure 3-27). Spotted sand bass was the only species with ecological risk (whole body) and human health (filet/carcass) data across multiple years; shiner surfperch and white surfperch are only discussed in terms of human health.

Whole body concentrations of PCBs in spotted sand bass (both raw and lipid-normalized) were higher in 2023 compared to 2013, with greater variability across composites in 2023 (19 to 604 ng/g ww) compared to 2013 (36 to 55 ng/g ww). Trends in concentrations of PCBs in filets analyzed for human health risk were variable across species. Mean PCB concentrations in spotted sand bass filets only exceeded the seven servings per week threshold in 2023, while both perch species exceeded the threshold in 2009 and again in 2018 for shiner surfperch and 2023 for white surfperch.

Mean whole body concentrations of mercury in spotted sand bass were relatively consistent across both 2013 and 2023. Mean concentrations of mercury in spotted sand bass and white surfperch filets consistently exceeded the most conservative ATL for young women and children across all years (2009, 2018, and 2023), with spotted sand bass above the most conservative ATL for older women and men in both 2009 and 2023. Shiner surfperch were only analyzed for mercury human health risk in 2009 and 2018, with mean mercury concentrations exceeding the most conservative ATL in 2009 only.

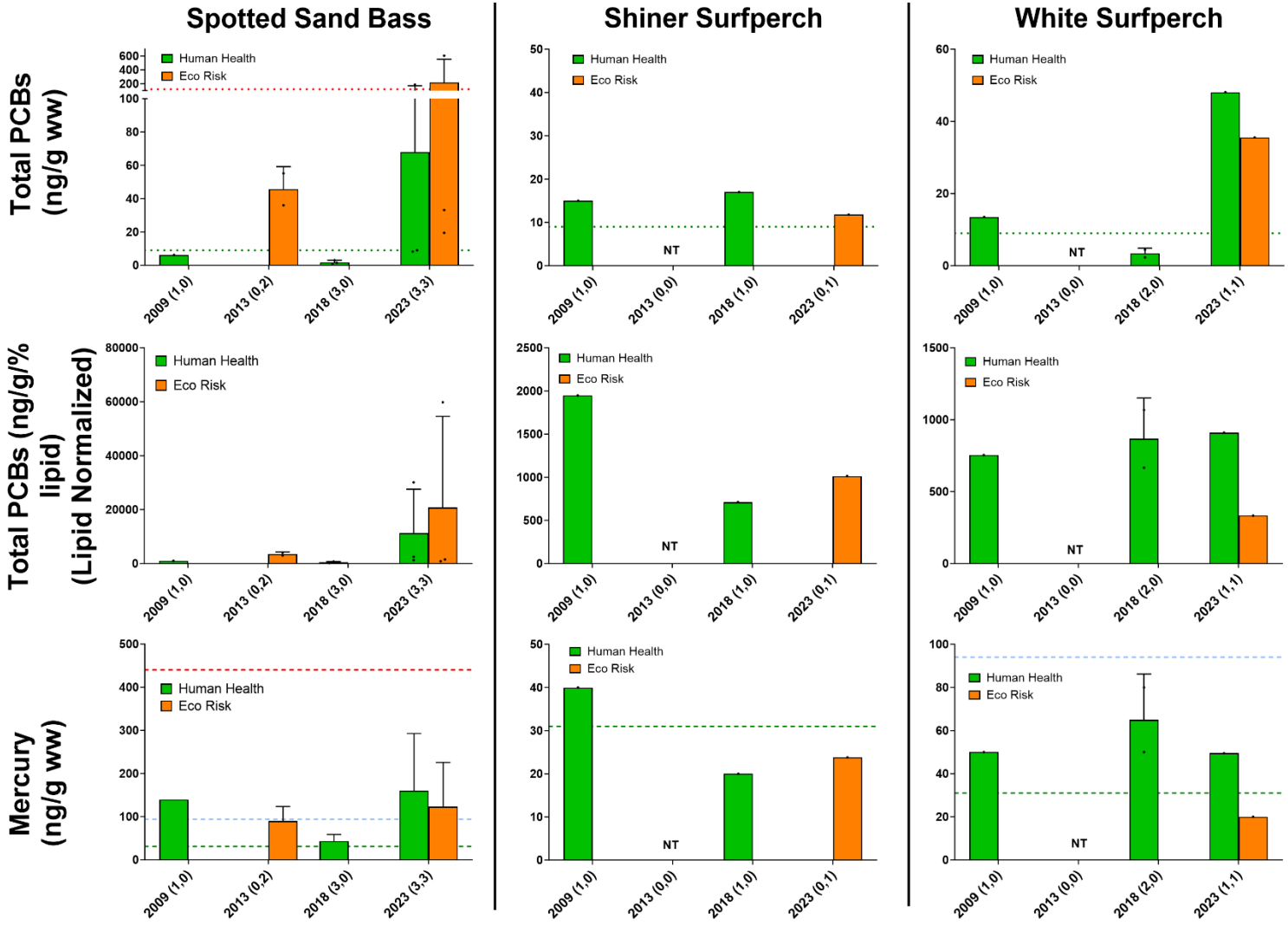


Figure 3-27. Historical Fish Tissue Concentrations of PCBs and Mercury in Mission Bay

*Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The dotted lines represent the lower OEHHA ATLs of seven servings per week for PCBs (9 ng/g ww, in green) and for mercury (31 ng/g ww for women 18-45 and children 1-17, in green; and 94 ng/g ww for women >45 and men, in blue), and the "do not consume" ATL of 440 ng/g ww for women 18-45 and children 1-17, in red. The number of samples represented by each bar is indicated in the parentheses after each site name (# Human Health, # Ecological Risk) on the x-axis. "NT" = Not Tested. * = 2013 fish analyzed as whole fish compared to 2009 and 2018 which analyzed skin off filets.*

North San Diego Bay

Historical analysis of fish tissue data for North San Diego Bay was performed for spotted sand bass, barred sand bass, and Pacific chub mackerel (Figure 3-28). Only spotted sand bass and barred sand bass have ecological risk (whole body) data across multiple years, while Pacific chub mackerel is only discussed in terms of human health risk (skin-off filets).

Pacific chub mackerel analyzed for human health risk showed an increase in total PCB concentrations[8] for both raw and lipid-normalized data between 2009 and 2018, before returning to lower concentrations in 2023 that were similar to that measured in 2009. Concentrations of total PCBs in barred sand bass and spotted sand bass filets were above the most restrictive ATL for PCBs across all years, with similar mean raw and lipid-normalized concentrations of PCBs over the three study periods. In whole body tissue samples analyzed for ecological risk, lower mean total PCB concentrations were observed in 2023 compared with 2013 for spotted sand bass, while mean concentrations in barred sand bass were similar across both years.

Concentrations of mercury in filets analyzed for human health risk were similar among all monitored years for a given species with lowest concentrations consistently in Pacific chub mackerel and greatest concentrations in spotted sand bass. Mercury concentrations for all three species were greater than various ATL thresholds, but none were greater than the “do not consume” thresholds. Whole body analysis of both bass species for ecological risk showed similar patterns of lower mean mercury concentrations in 2023 compared to 2013.

[8] Total PCBs measured in tissues are a sum of the following congeners: PCB-3, 5, 8, 15, 18, 27, 28, 29, 31, 33, 37, 44, 49, 52, 56/60, 66, 70, 74, 77, 81, 87, 95, 97, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 132/168, 137, 138, 141, 149, 151, 153, 156, 157, 158, 167, 169, 170, 174, 177, 180, 183, 187, 189, 194, 195, 199, 201, 203, 206, and 209.

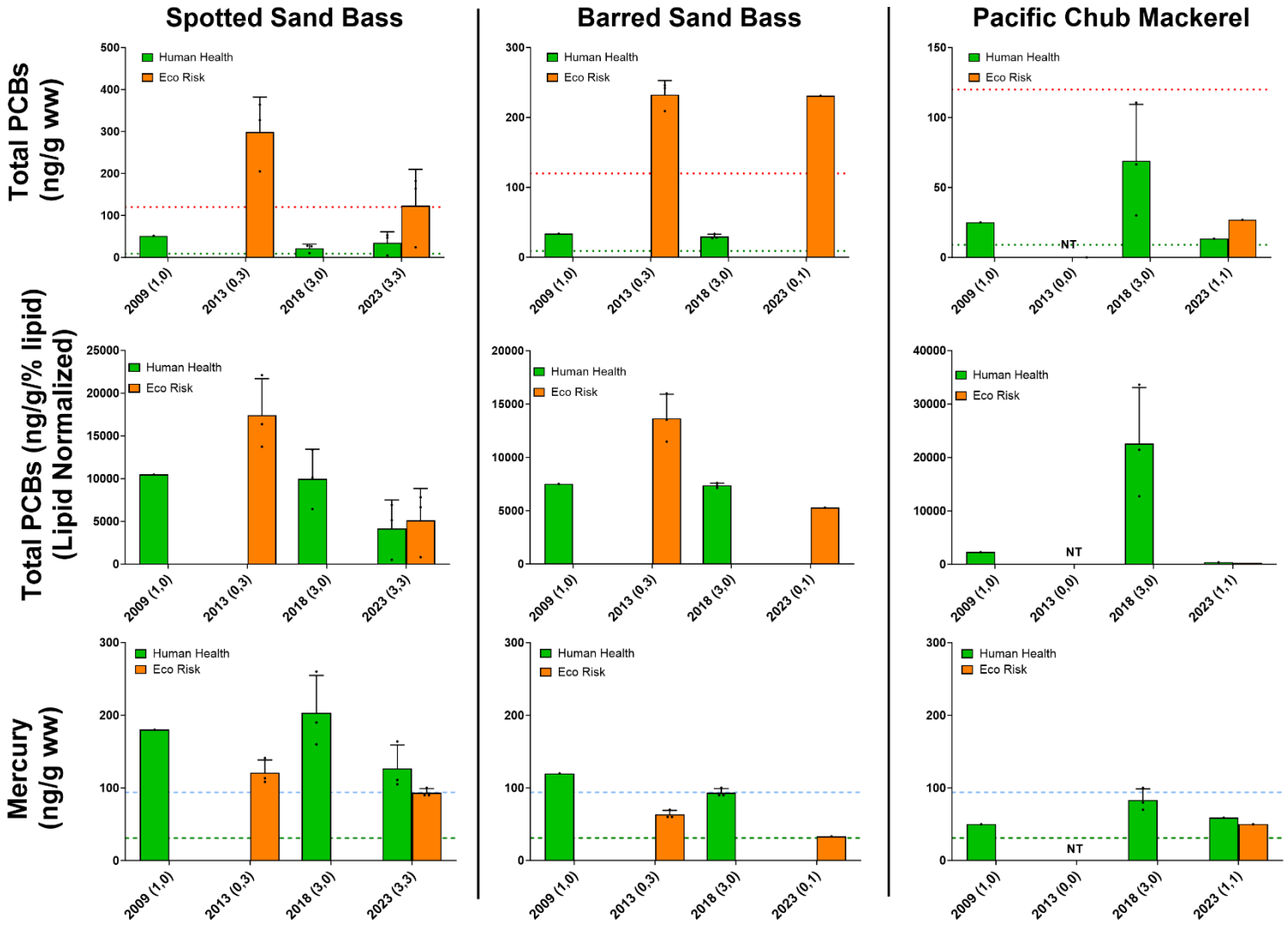


Figure 3-28. Historical Fish Tissue Concentrations of PCBs and Mercury in North San Diego Bay

*Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The dotted lines represent the lower OEHHA ATLs of seven servings per week for PCBs (9 ng/g ww, in green) and for mercury (31 ng/g ww for women 18-45 and children 1-17, in green; and 94 ng/g ww for women >45 and men, in blue), as well as the "do not consume" ATL for PCBs (120 ng/g ww, in red). The number of samples represented by each bar is indicated in the parentheses after each site name (# Human Health, # Ecological Risk) on the x-axis. "NT" = Not Tested. * = 2013 fish analyzed as whole fish compared to 2009 and 2018 which analyzed skin off filets.*

South San Diego Bay

Historical analysis of fish tissue data for South San Diego Bay was performed for spotted sand bass, slough anchovy, and round rays (Figure 3-29). Only spotted sand bass and slough anchovy have ecological risk (whole body) data across multiple years, while data for the round rays are only discussed in terms of human health risk.

Mean total PCB concentrations in slough anchovy analyzed for human health risk (carcass) exceeded “do not consume” ATLs in 2018 and 2023, while PCB concentrations in round ray (wings) and spotted sand bass (filets) historically exceeded the most conservative seven servings per week ATL but never the “do not consume” ATL. While total PCB concentrations in slough anchovy and spotted sand bass (raw and lipid-normalized) have remained similar over time, concentrations in the round rays showed a decrease from 2018 to 2023, with 2023 concentrations falling below the seven servings per week ATL. Whole body concentrations of total PCBs in slough anchovy and spotted sand bass were relatively similar in 2013 and 2023.

Mean concentrations of mercury in tissue analyzed for human health risk consistently exceeded the most restrictive ATL for young women and children across species and years, except slough anchovy in 2023. All species appear to show a downward trend in mercury tissue concentrations over time. This trend was most notable in spotted sand bass which were above the “do not consume” ATL threshold for young women and children in 2009 but had mean concentrations that fall within the two servings per week ATL for young women and children in 2023. Whole body concentrations of mercury in slough anchovy and spotted sand bass were relatively similar in 2013 and 2023 and within the range of variability between the two surveys.

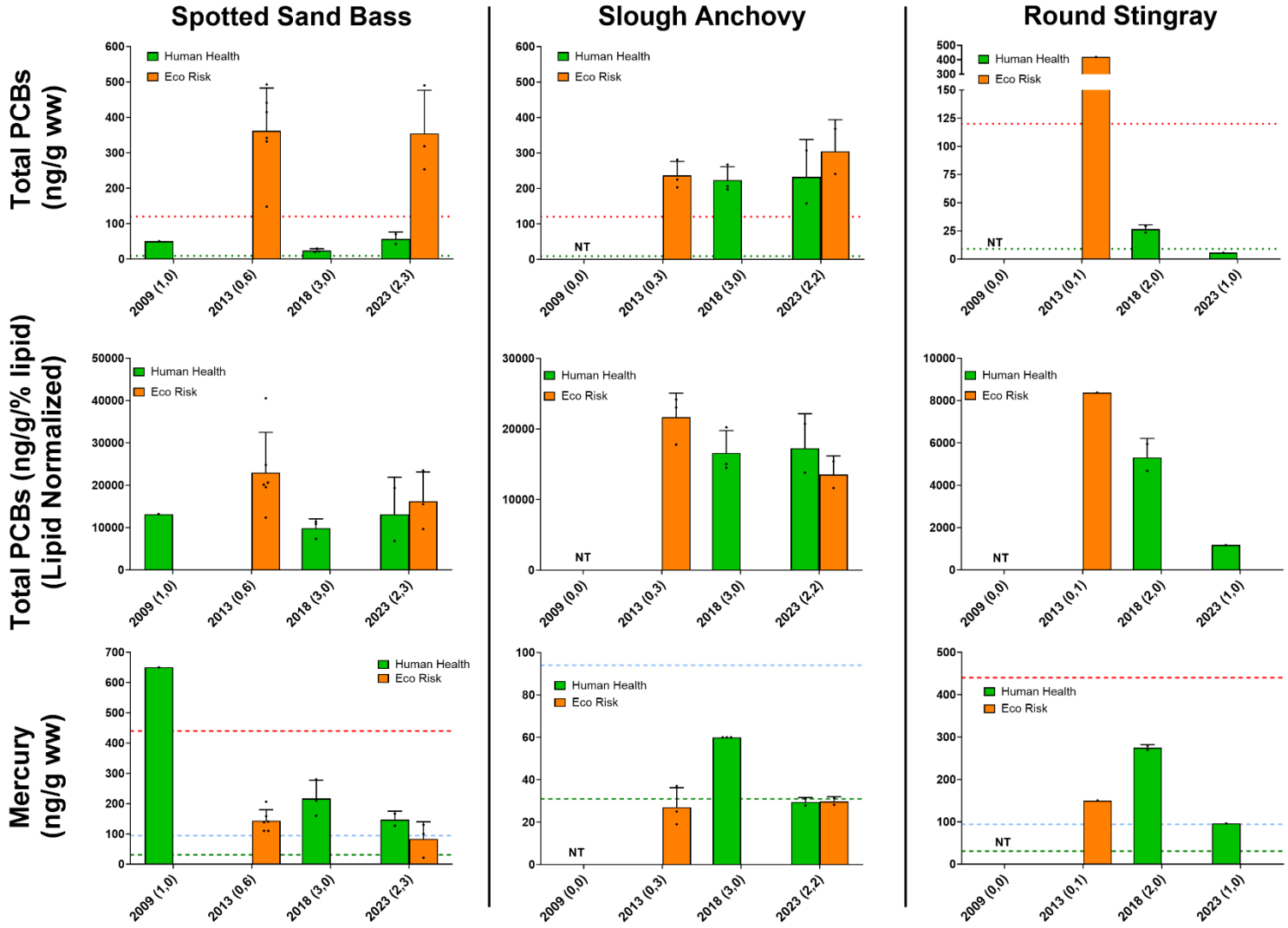


Figure 3-29. Historical Fish Tissue Concentrations of PCBs and Mercury in South San Diego Bay

*Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. The dotted lines represent the lower OEHHA ATLs of seven servings per week for PCBs (9 ng/g ww, in green) and for mercury (31 ng/g ww for women 18-45 and children 1-17, in green; and 94 ng/g ww for women >45 and men, in blue), as well as the "do not consume" ATL for PCBs (120 ng/g ww, in red) and mercury (440 ng/g ww for women 18-45 and children 1-17). The number of samples represented by each bar is indicated in the parentheses after each site name (# Human Health, # Ecological Risk) on the x-axis. "NT" = Not Tested. * = 2013 fish analyzed as whole fish compared to 2009 and 2018 which analyzed skin off filets.*

3.8 Data Quality Assurance/Quality Control

3.8.1 Field Activities

All field-related activities met the QA/QC requirements in the project-specific QAPP (WSP, 2023a) and the regional Bight monitoring methods provided in the Bight '23 QA Manual (SCCWRP, 2023a). Requirements included staff training, calibration and maintenance of field equipment, use of proper sample collection and decontamination techniques, proper field documentation and COC procedures, and trawl-specific procedures to ensure proper identification and measurement of organisms. In addition, water and sediment sample collection and trawls were conducted within a 100-meter radius of the target locations in accordance with Bight protocols, except for two trawl locations that were moved due to depths that were too shallow to safely conduct trawls. Trawl Station B23-12005 in Central San Diego Bay and Station B23-12004 in South San Diego Bay were replaced with Overdraw Stations B23-12819 and B23-12884, respectively.

3.8.2 Analytical Chemistry

A complete QA/QC review of sediment data collected during the RHMP, including third-party review by LDC, is discussed in detail in the 2023 RHMP core monitoring report (WSP, 2026a, in prep). The third-party QA/QC review of tissue data collected during the RHMP in 2023 is discussed in this section.

As part of the 2023 RHMP effort, 75 tissue samples were collected and analyzed. Tissue composites were created and analyzed for chemistry by Physis (Environmental Laboratory Accreditation Program Certificate No. 2769) in accordance with the USEPA and SM analytical methods in Table 2-2. The resultant data were reviewed against data quality objectives (DQOs) in the project QAPP (WSP, 2023a). Project DQOs were developed using SWAMP criteria where applicable and were consistent with the previous RHMP and related regional monitoring efforts.

Tissue chemistry results were validated by LDC, a third-party reviewer, to evaluate data usability. Validation efforts included Level II validation of 100% of samples for priority pollutants only (see Table 23-1 in the QAPP; WSP, 2023a) and Level IV validation of 10% of samples for all analytes (excluding PFAS). The Level II validation included a review of the QC results in the laboratory analytical reports relative to project DQOs. Level IV validation included all Level II validation parameters plus validation of initial and continuing calibration verification, tuning and performance checks, surrogate recoveries, and corresponding QC samples.

A summary of data validation results is provided below. The full data validation report is provided in Appendix F. Because Level II data validation was performed on all samples and Level IV data validation was performed on 10% of the samples, this summary aims to highlight the overall results of both validations and is not a comprehensive review of all data qualifications.

- Percent lipids, percent solids, and metals analyses were conducted within all specifications of the methods. No results were rejected or qualified during the third-party validation.
- Select PAH and chlorinated pesticide results were flagged as estimated due to holding time exceedances.

- Select PAH, chlorinated pesticide, and PCB results were flagged as estimated due to high or low initial or continuing calibrations, certified reference material (CRM), laboratory control sample (LCS), or matrix spike recoveries, or analytical imprecision. No systematic pattern was observed for these excursions.
- No sample results were rejected except select endosulfan-1 (n=18), endrin aldehyde (n=20), heptachlor (n=55), and mirex (n=20) results due to low LCS or CRM recoveries. These constituents are prone to low recovery inherent in the method, and therefore, the affected samples were flagged with an "R". Because these chemicals are rarely detected (no detections in 2023) and have not been identified as primary constituents of concern in tissues, the risk assessments presented in this report do not include these constituents. Results are included in the laboratory report in Appendix C for reference.

Despite the data qualifications outlined above, all tissue results were considered acceptable for reporting, except the "R" flagged data described above.

Upon review of historical data, it was noted that there were detections of dieldrin in eight tissue composite samples in 2023 while no detections were observed in tissue or sediment samples in prior RHMPs. The analytical laboratory performed a thorough review of dieldrin results and provided the following explanation:

> *Samples were analyzed for dieldrin using EPA Method 8270 by gas chromatography–mass spectrometry (GCMS). The quantitation of samples analyzed by GCMS uses a single ion (AMU 261) and two or more additional ions (AMU 263 and AMU 277) to confirm the identification of the target analyte. For these specific Dieldrin samples the quantitation ion was clearly present; however, at low concentrations, this analyte may or may not be present since their signals are near the level of the instrument noise and may or may not have the expected qualifier ion ratios for positive confirmation. Therefore, the confirmation peaks used to report these low concentrations are detected but not quantified and flagged as estimated.*

As a result, dieldrin data for these eight samples were qualified by the analytical laboratory as "estimated." These estimated data are presented herein for reference; however, data were not compared with screening level guidelines and statistical analyses were not performed.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Spatial and temporal COPC concentrations in fish tissue and risk related to consumption for human health and wildlife (ecological risk) is summarized below. As data gaps continue to be evaluated with ongoing stakeholder efforts and refined through scientific peer review, conclusions and recommendations in this report should be revisited to guide future studies.

The 2023 RHMP bioaccumulation investigation was unique compared to the most recent 2013 and 2018 RHMP investigations as it aimed to assess human health risk from sport fish consumption, as well as provide a screening level ecological risk assessment for species common in the RHMP embayments. As described previously, the primary changes included the following approach to fish collection and tissue analysis:

1. Both skin-off filets for larger fish species and carcass only for smaller species were evaluated for human health risk (consistent with 2018), while using whole body for all fish evaluated for ecological risk (similar to 2013). The 2018 report compared these two different approaches directly with caveats, in particular for PCBs and DDTs due to their hydrophobicity and increased concentrations typically found in the fatty no-muscle tissues. The 2023 study offers directly comparable data to both studies to further understand temporal trends.
2. The 2018 study was coordinated as part of the decadal state-wide reassessment of sportfish consumption advisories, and the species targeted reflect this priority compared with the species captured in 2023. Fish in 2018 were sourced from RHMP collection efforts using trawls and hook and line (similar to 2023), but additional animals (e.g., leopard sharks and brown smooth-hound sharks) were collected within the RHMP harbors as part of separate California Department of Fish and Wildlife (CDFW) efforts and were analyzed using RHMP funding. The approach in 2023 aimed to maximize comparability across harbors and explore patterns of bioaccumulation for species that are important recreational and commercial fishing target species (e.g., spotted sand bass), in addition to those that are important trophic links in the food web of local embayments.

The 2023 program follows a recommendation from the 2013 report and implemented in 2018 to incorporate a range of sediment concentration values over larger regions for comparisons to tissue chemistry rather than pairing tissues and sediments from single stations, as was done in the 2013 study. This area composite approach for tissues follows the BOG protocols and aligns with other studies within San Diego Bay (Bay et al., 2016). Pairing tissue collections over a larger region (rather than individual stations) with an area composite approach for sediment chemistry better aligns with the assumption that fish are mobile and depending on species, age, behavior, and season, the home range for a given individual may vary and expose that animal to a gradient of different sediment conditions. While no direct linkage assessment was performed for this report, the information can be used for future bioaccumulation investigations.

4.1 Bioaccumulation Patterns for COPCs

In general, the spatial patterns in tissues were similar to that observed for average sediment concentrations across regions. However, there was a lack of statistical significance in correlations between tissue concentrations in topsmelt and sand bass and average sediment concentrations in the embayments (see Section 3.5). Notable deviations included:

- Total chlordanes in fish tissue from Oceanside Harbor were elevated despite the lowest sediment concentrations of all harbors, driven by high concentrations in topsmelt, white seabass, and white surfperch.
- Similar to chlordanes, total PAHs were elevated in fish tissues collected in Oceanside Harbor despite the lowest sediment concentrations of all harbors.
- Elevated total PCB concentrations were noted in spotted sand bass collected in Mission Bay (driven primarily by one of the three composites) despite low concentrations in the sediments.

This suggests that fish in the harbors may be exposed to contaminants via pathways other than sediment (e.g., prey consumption, water column) or contaminants outside the harbors depending on the species home range, which can impact the assessment of site linkage. Quantitative sediment linkage through BSAFs was not explored in this report, with limitations of this approach discussed in Section 2.2.1 and the 2018 RHMP bioaccumulation report given the simplistic assumptions used in the analysis. Linkage of fish tissue concentrations to sediment concentrations in an area also ignores the large contribution that dissolved and particulate bound contaminants play, especially for PCBs (Toll, 2019; Port of San Diego and City of San Diego, 2025). Future studies with a goal of sediment-tissue linkage would benefit from factoring in alternative exposure pathways and the development of embayment-specific home ranges for the species most encountered and used for bioaccumulation studies such as spotted sand bass, California halibut, topsmelt, shiner surfperch, white surfperch, and Pacific chub mackerel.

Fish species were separated into feeding guilds as a means to consider trophic position and diet as factors in bioaccumulation potential. Despite no statistical differences between feeding guilds in 2023, a pattern that emerged from this analysis is that forage fish (topsmelt, anchovies, and Pacific chub mackerel) had similar or higher mean concentrations of organic COPCs compared with predator fishes. This was especially true for total chlordanes, total DDTs, and total PCBs. This is a notable observation consistent with results in 2013 and 2018, as these forage fish species are often less directly associated with the sediments than many of the other species assessed in this study, and conventional assumptions for bioaccumulation models generally assume concentrations increase with increasing trophic levels. This finding also supports that there are multiple routes of exposure to consider, particularly respiration and accidental ingestion of particulate-associated contaminants for forage fish, which is consistent with their method of acquiring prey (plankton) primarily by filter feeding (Bay and Parks, 2020).

Historical comparisons of fish tissue concentrations for total PCBs and total mercury were performed by region due to the different fish communities present in each harbor and the varying continuity of fish species analyzed across multiple years. At least one bass species was compared

for all harbors. The historical results for human health risk (filet or carcass composites) are summarized as follows:

- Dana Point Harbor: Total PCBs appear to have decreased in tissues of barred sand bass, shiner surfperch, and white surfperch since 2009 and remain near or below the most conservative ATL threshold of seven servings per week. Mercury concentrations in shiner surfperch and white surfperch have remained below the most conservative ATLs for women ages 18 to 45 and children, while concentrations in barred sand bass decreased in 2023 compared to 2018 and were above the most conservative ATL in both years.
- Oceanside Harbor: Total PCBs and mercury in fish tissues have remained relatively low and consistent across time for spotted sand bass, shiner surfperch, and white surfperch, generally above the most conservative ATL thresholds but not exceeding the "do not consume" ATLs.
- Mission Bay: Spotted sand bass and white surfperch have shown an increase in concentrations of PCBs relative to previous years, with one composite of spotted sand bass exceeding the "do not consume" ATL for the first time in 2023. Mercury concentrations in spotted sand bass, shiner surfperch, and white surfperch have been more consistent over time, with mean tissue concentrations around the most conservative ATLs.
- North San Diego Bay: Tissue concentrations of PCBs in bass (spotted and barred) have been consistent across sampling years, while concentrations in Pacific chub mackerel have been more variable (although only one composite was analyzed in 2023 compared to three in 2018). Tissue concentrations in the three species have been above the most conservative ATL but below the "do not consume" ATL for PCBs. Mercury concentrations in 2023 were in line with historical concentrations and were above the most conservative ATLs for young women and children in the three species, with bass above the most conservative ATL for older women and men.
- South San Diego Bay: Slough anchovy tissue composites have consistently exceeded the "do not consume" ATL for total PCBs, while spotted sand bass and round rays only have exceeded the most conservative ATL across all years. Total mercury concentrations in slough anchovy, spotted sand bass, and round rays have decreased over time, especially for spotted sand bass which in 2009 had tissue concentrations above the "do not consume" ATL threshold for young women and children but in 2023 was within the two servings per week ATL range.

The relatively few composite samples from the same fish species collected from the same locations, along with the availability of only two to three measurements over the past 15 years limits the power for robust trend analysis at this time. However, this work sets an important baseline as efforts are made to collect and analyze fish across RHMP harbors more consistently over time to better assess trends in the future.

4.2 Screening Level Risk Assessment

A comparison of measured tissue concentrations in fish with available human health criteria and regulatory-based wildlife tissue residue effects threshold values provided a means to evaluate comparative risk for those bioaccumulative COPCs measured. Exceedances of wildlife tissue residue effects thresholds are discussed for each COPC below. Note again that these values are guidelines only, and this report should not be used, nor was designed, to provide a formal human health risk assessment. Please consult OEHHA directly for specific guidance on human health risk related to the consumption of sport fish: https://oehha.ca.gov/fish/advisories.

PCBs

Human Health –This assessment found total PCBs in fish tissue to be a primary COPC for human health risk based on prevalence in tissues across harbors and magnitude of concentrations exceeding guideline values. All of the 35 filet and carcass tissue samples analyzed for the assessment of human health had concentrations above the OEHHA FCG of 3.6 ng/g ww, and 69% (n=24) had concentrations above the most conservative human health ATL for consumption of seven servings per week (9 ng/g ww), compared with only a small portion of samples exceeding thresholds for wildlife risk. This is largely due to the more conservative screening levels established for human health risk, the most stringent of which are more than an order of magnitude lower than levels considered protective of wildlife. Tissue concentrations of total PCBs in 83% of samples fell within a range considered acceptable for the consumption of fish at a frequency ranging from one to seven servings per week according to OEHHA guidance, with six composites (17%) exceeding the “do not consume” threshold of 120 ng/g ww. Five of the 14 species analyzed for human health (spotted sand bass, California halibut, topsmelt, slough anchovy, and Pacific barracuda) exceeded this threshold, with four composites of topsmelt, slough anchovy, and Pacific barracuda captured in South San Diego Bay. These elevated concentrations (up to 307 ng/g ww in one slough anchovy composite) are primary drivers in the tissue average across all species in South San Diego Bay exceeding the “do not consume” threshold.

Ecological Risk – With regard to ecological risk, concentrations of total PCBs in whole fish tissue samples from seven species (topsmelt, slough anchovy, shiner surfperch, black croaker, queenfish, spotted sand bass, and barred sand bass) exceeded the USFWS NOEC values for birds consuming invertebrates or fish of 110 ng/g ww (Zeeman, 2016). Tissue concentrations in all samples were below the lowest Oregon DEQ ATL for applicable wildlife, and the Oregon DEQ CTL. All but one (white surfperch composite from Dana Point Harbor) of the samples analyzed for ecological risk were above the SFBRWQCB TMDL threshold of 10 ng/g ww for PCBs in San Francisco Bay for both human and wildlife protection.

Mercury

Human Health – Of the bioaccumulative COPCs in the four San Diego Regional Harbors, mercury is considered to be second to PCBs with regard to both human and ecological risk. Of the 35 filet and carcass tissue samples analyzed for human health, 71% (n=25) had concentrations of mercury that exceeded the most restrictive ATL of seven servings per week for women ages 18 to 45 and children (31 ng/g ww), while 31% (n=11) exceeded the seven servings per week ATL

for men and women over age 45 (94 ng/g ww). No fish tissue concentrations exceeded the "do not consume" threshold for either group. Spotted sand bass were generally the species with the greatest mercury concentrations across all embayments.

Ecological Risk – Approximately 25% (n=10) of whole body fish composites analyzed for ecological risk had tissue concentrations of total mercury above the lowest Oregon DEQ ATL for applicable wildlife (74 ng/g ww) and only one composite (2.5%) above the CTL in fish, shellfish, or other saltwater aquatic organisms (180 ng/g ww). All whole body tissue samples had concentrations of mercury that were above screening levels listed by the USFWS for contaminants in tissue of aquatic biota in San Diego Bay (Zeeman, 2016).

DDTs

Human Health – Concentrations of total DDT in filet and carcass fish tissue samples analyzed for human health in 2023 were well below the most conservative OEHHA ATL (up to seven servings per week) of 220 ng/g ww in all embayments, which is consistent with the lack of exceedances in both the 2018 and 2013 RHMPs. Six of the 14 species analyzed for human health risk representing 23% of the 35 composites exceeded the OEHHA FCG of 21 ng/g ww. Additionally, mean DDT concentrations for several species exceeded the Oregon DEQ ATL for human health (27 ng/g ww).

Ecological Risk – All species in all embayments, beside slough anchovy and yellowfin croaker, had whole body tissue concentrations that exceeded the USFWS total DDT NOEC values to birds from consuming invertebrates or fish (11 to 57 ng/g ww), and six species (topsmelt, jacksmelt, shiner surfperch, white surfperch, spotted sand bass, and kelp bass) exceeded the USFWS LOEC values to birds from consuming invertebrates or fish (33 to 170 ng/g ww). The single composite of jacksmelt from North San Diego Bay had the highest concentration of total DDT in fish tissue observed among samples analyzed for ecological risk at 48.3 ng/g ww and was slightly above the Oregon DEQ lowest ATL for applicable wildlife (48 ng/g ww for osprey).

Selenium

Human Health – All filet and carcass fish tissue samples analyzed for human health had concentrations of total selenium below the most conservative OEHHA ATL of 1.0 µg/g ww.

Ecological Risk – The concentrations of selenium in all whole body fish tissue samples analyzed for ecological risk exceeded the lowest ATL for applicable wildlife established by the Oregon DEQ of 0.036 µg/g ww for mammals and 0.23 µg/g ww for individual birds. Applicability of selenium ATL and CTL values derived by the Oregon DEQ to species found in the San Diego region is uncertain at this time without further investigation.

Total Chlordanes

Human Health – Concentrations of total chlordanes in filet and carcass tissue samples from fish collected during the 2023 RHMP for assessment of human health risk were generally below available human health screening criteria; however, exceedances of the most conservative OEHHA consumption threshold (80 ng/g ww for seven servings per week) and Oregon DEQ ATL

for humans (27 ng/g ww) were observed for one topsmelt composite and one white seabass composite. This pattern differs from the 2018 and 2013 RHMPs, during which chlordane concentrations in fish tissue were below human health criteria across all species.

Ecological Risk – Concentrations of total chlordanes in all whole body tissue samples analyzed for ecological risk were well below all available criteria for protection of wildlife risk-based screening except for a single composite sample of white surfperch from Oceanside Harbor that exceeded the Oregon DEQ CTL in fish (56 ng/g ww).

PFOS

Human Health – Concentrations of PFOS in filet and carcass fish tissue samples analyzed for human health risk were below the most conservative Great Lakes Consortium threshold of 2.5 ng/g ww for four or more meals per week for the majority of composites (63%; n=22). Only one tissue composite sample of California halibut collected from Mission Bay had a PFOS concentration slightly above 10 ng/g ww (11.1 ng/g ww), corresponding to an allowable consumption rate of one meal per month. The remaining 12 samples had PFOS concentrations between the thresholds allowing consumption of one to two meals per week. Notably, no tissue composite samples analyzed for human health risk had PFOS concentrations above the “do not eat” threshold of 40 ng/g ww.

Ecological Risk – Concentrations of PFOS and PFOA in whole body tissue composite samples analyzed for ecological risk were well below USEPA (2024) thresholds for whole fish of 201 ng/g ww and 6,490 ng/g ww, respectively, as well as the SERDP threshold of 250 ng/g ww for PFOS.

Dieldrin

Human Health – Dieldrin was not detected and well below screening levels of concern for human health risk in a majority of skin-off filet and carcass tissue composites (83%). Dieldrin results in the remaining six composite samples were considered detected but not quantifiable and flagged as estimated. Therefore, comparisons to screening level guidelines to evaluate human health risk were not performed for these samples.

Ecological Risk – Similarly, dieldrin was not detected in 95% of whole body tissue composites, indicating concentrations were well below screening levels of concern for ecological risk for dieldrin. Dieldrin results in the remaining two composite samples were considered detected but not quantifiable and flagged as estimated. Therefore, comparisons to screening level guidelines to evaluate ecological risk were not performed for these samples.

Arsenic

At present, there are no set risk assessment thresholds for total arsenic in fish tissue, as the majority of arsenic (90–99%) in seafood is in the organic form, while the inorganic form is classified as a known carcinogen (EFSA, 2009). Further research and targeted analytical methods to measure inorganic arsenic in tissues is required to perform a risk assessment.

PAHs

Human Health – Concentrations of PAHs in all tissue samples analyzed for human health risk (filet or carcass) were well below screening levels for human health following an oil spill according to OEHHA (2015).

Ecological Risk – Tissue concentrations of PAHs in whole body fish analyzed for ecological risk were also below suggested screening levels for high and low molecular weight PAHs identified for San Diego Bay in Zeeman (2016).

4.3 Recommendations

The following are recommendations for future efforts that may be taken into consideration by the RHMP or other interested parties through grants, coordinated efforts, or large-scale programs:

- Future studies should analyze all 209 PCB congeners to have greater confidence in the total PCBs measured in both sediments and tissues.
- The 2028 RHMP sampling will likely occur during the next state-wide decadal effort to update sportfish human health consumption guidelines and require coordination with the OEHHA Safe to Eat Workgroup (STEW) and CDFW, similar to 2018. The RHMP should continue to support this effort while first prioritizing analysis of both skin-off filets and whole fish for target species commonly used in human health and ecological risk assessments (e.g., bass, topsmelt, perch). This will provide continuity with this study to strengthen historical comparisons and further the understanding of how different COPCs accumulate in muscle tissue versus whole body samples for local species.
- Future studies would benefit from quantitative information on species-specific home ranges within bays and harbors, especially for those species that are used commonly in the SQO Human Health assessment such as topsmelt and spotted sand bass. Refinement of home range, foraging preferences by life stage, and other modeling assumptions may improve predictive sediment-biota linkages. Fish with elevated tissue concentrations in areas with clean sediments and vice versa provide evidence that the fish are moving across distances that span a wide variety of habitats with varying sediment quality. It is also possible that fish may be accumulating contaminants from food sources not related to the local sediments, or that the current sampling design is missing localized areas that may be contributing to bioaccumulation.
- Future management decisions would benefit from a stronger mechanistic understanding of the contributions of dissolved and particulate bound COPCs in the water column to fish tissue concentrations rather than attributing all tissue bioaccumulation to concentrations in the sediments. The use of BSAFs and the human health SQO framework relies nearly exclusively on the linkage of sediments to tissue concentrations, which can contribute to high uncertainty when considering management actions to achieve fish tissue concentrations that are protective of human health and ecological risk.

- For continued refinement of historical comparisons and comparisons across all RHMP embayments, future studies should consider targeting the same species that are common within each embayment (i.e., topsmelt, spotted sand bass, barred sand bass, kelp bass, shiner surf perch, white surfperch).
- Further exploration of bioaccumulation patterns in the three common bass (*Paralabrax*) species using both analysis methods (whole fish versus skin-off filet) would benefit future studies where the primary bass species (e.g., spotted sand bass) is not available and another species is substituted for analysis.
- Separating fish by feeding guilds appears to be a successful approach to partition variance in bioaccumulation patterns based on trophic position and diet. Further refinement of the feeding guilds may lead to better understanding of the strength of this factor and why certain guilds may accumulate specific COPCs over others. Where possible, multiple composites within a feeding guild are desirable to examine spatial variability, as well as variability evident across species within a feeding guild.
- Some COPCs, such as arsenic and PFAS require further research and guidance from a risk assessment perspective as there are currently no widely accepted regulatory tissue thresholds available for evaluation.
- A closer examination of sources of bioaccumulative contaminants to RHMP embayments may be valuable as there may be other sources besides sediments (e.g., on or near water activities, aerial deposition, runoff, and groundwater influx). This may include measurement of dissolved COPCs and particulate-associated COPCs in the water column and porewater as passive modes of bioaccumulation in fish tissues.
- Completing a literature and database search of up-to-date tissue residue effects data relevant to species found in and around the San Diego region will allow for a more robust evaluation of ecological risk for future studies.

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APPENDIX A

RHMP SEDIMENT SAMPLING LOCATION MAPS

Maps of 2018 RHMP Sediment Sampling Locations

Dana Point Harbor

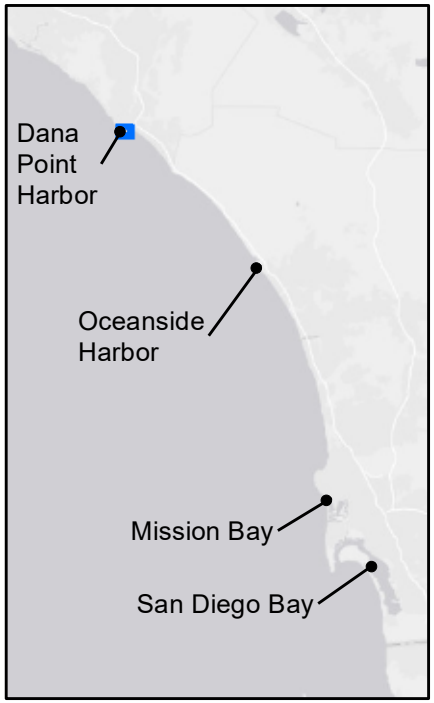


2018 RHMP Actual Collection Locations & Strata

- Deep
- Freshwater- Influenced
- Industrial/ Port
- Marina
- Shallow
- Target Trawl Location

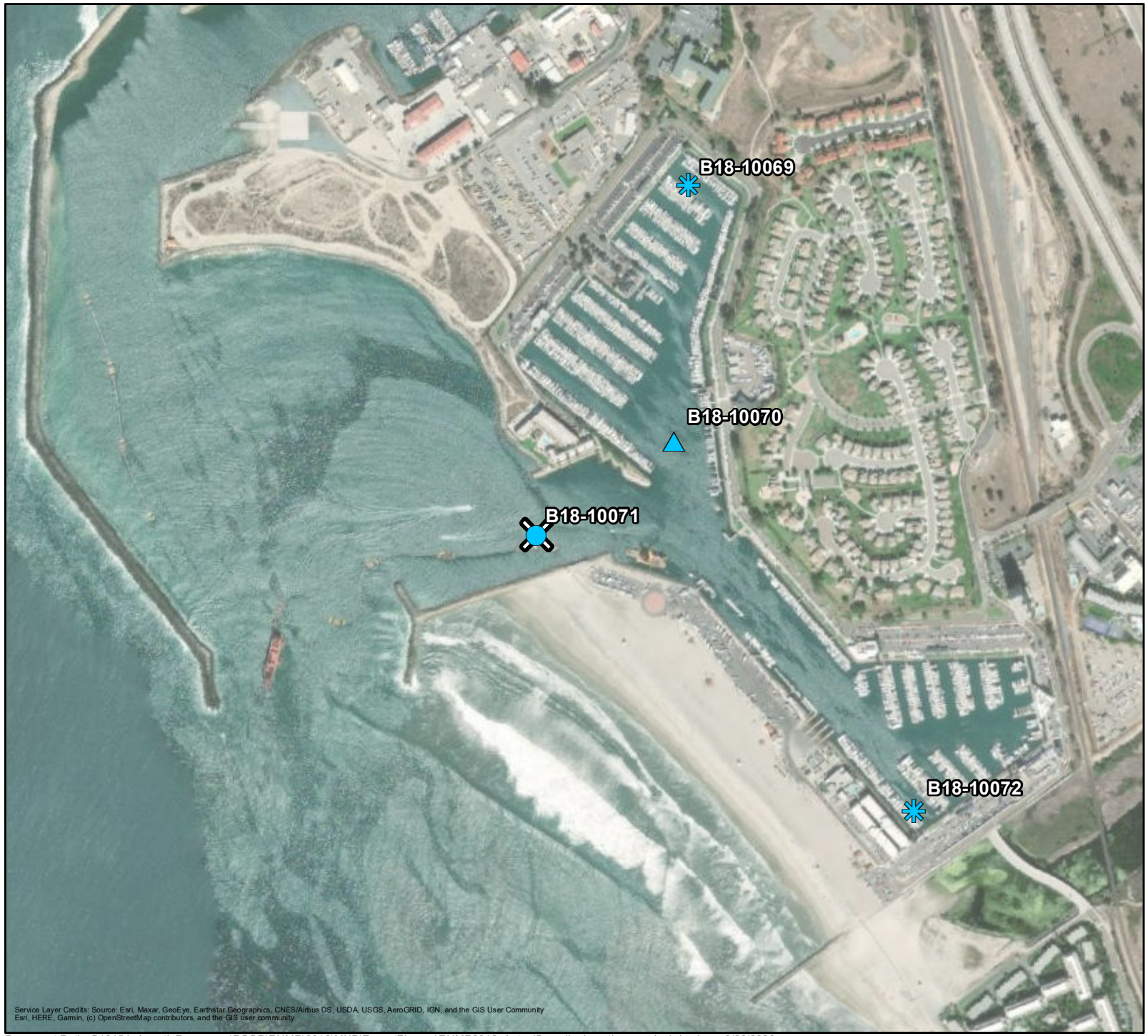
wood.

0 0.2 0.4 km



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Oceanside Harbor

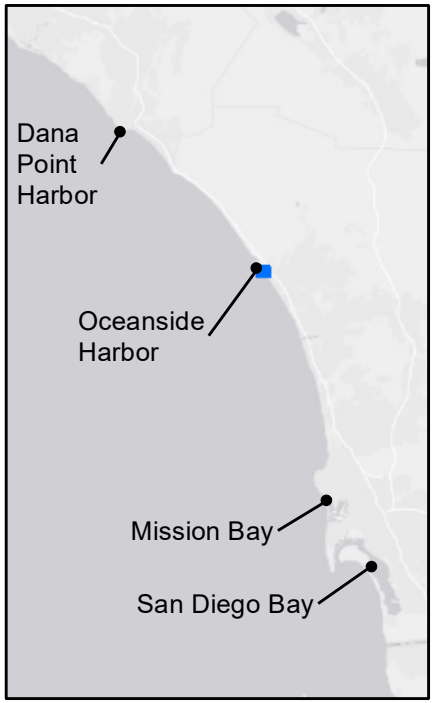


2018 RHMP Actual Collection Locations & Strata

- Deep
- Freshwater- Influenced
- Industrial/ Port
- Marina
- Shallow
- Target Trawl Location

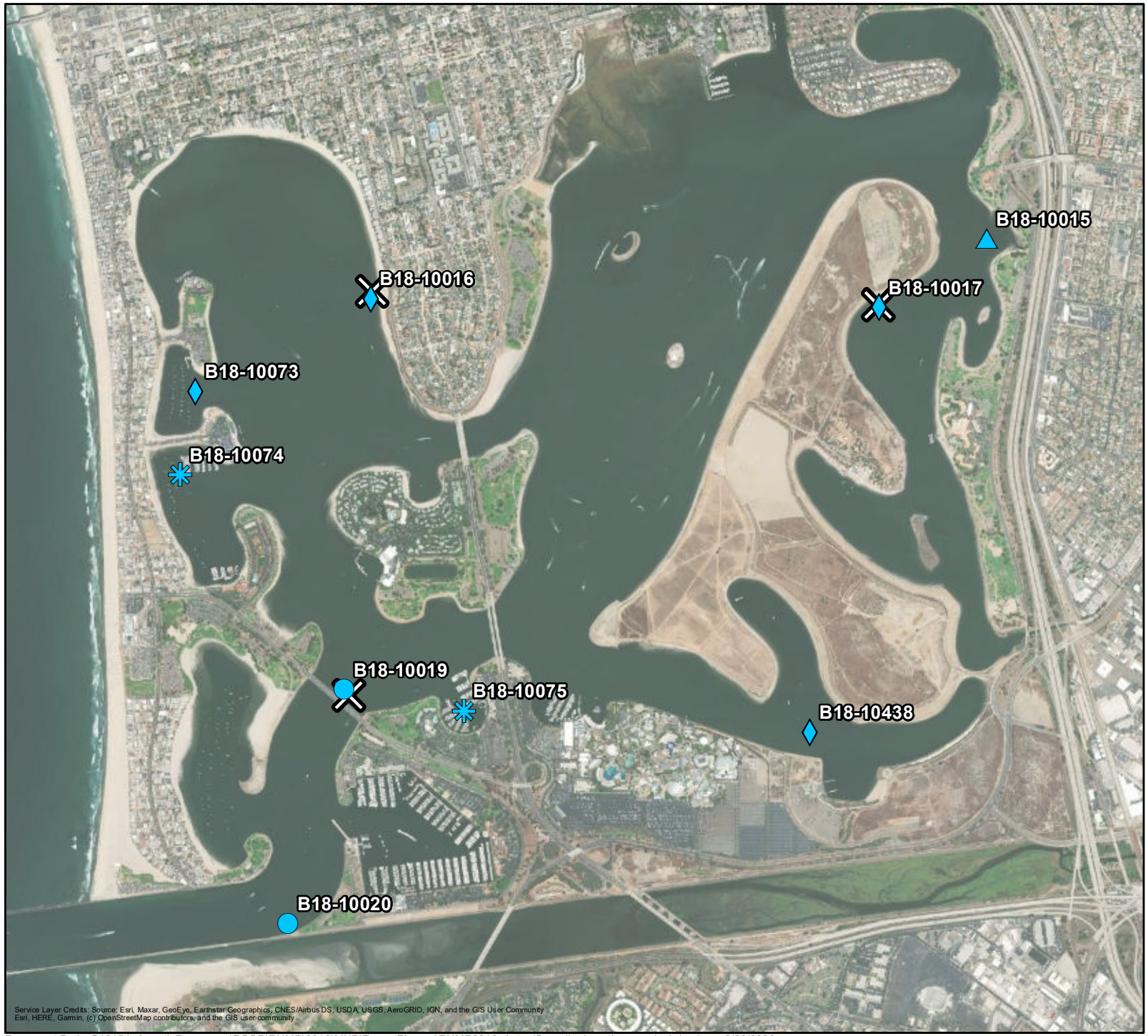
wood.

0 0.15 0.3 km



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Mission Bay

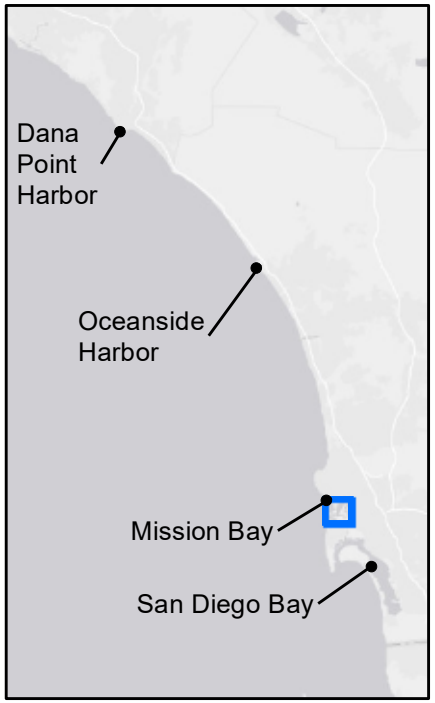


2018 RHMP Actual Collection Locations & Strata

- Deep
- Freshwater- Influenced
- Industrial/ Port
- Marina
- Shallow
- Target Trawl Location

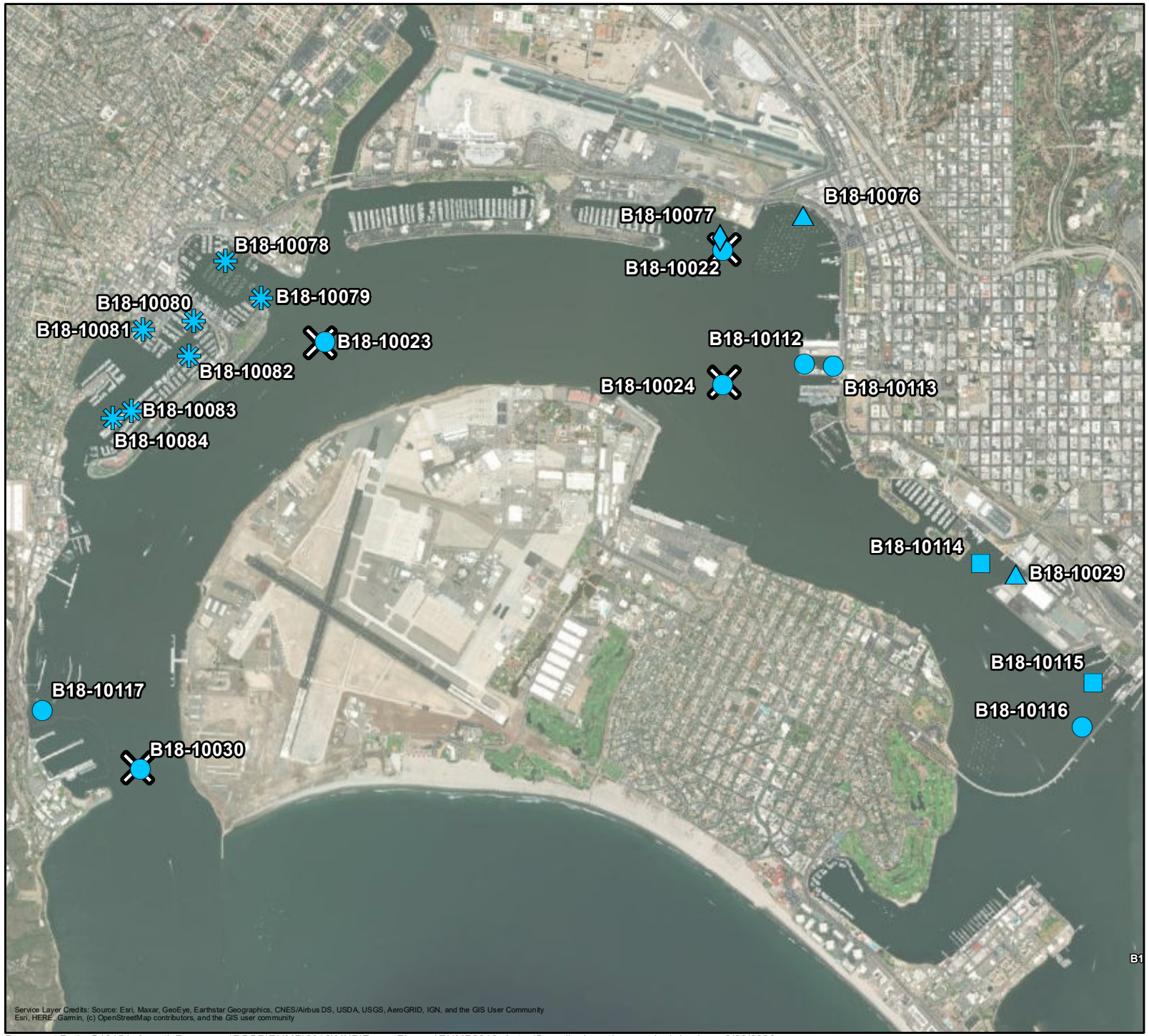
wood.

0 0.55 1.1 km



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North San Diego Bay

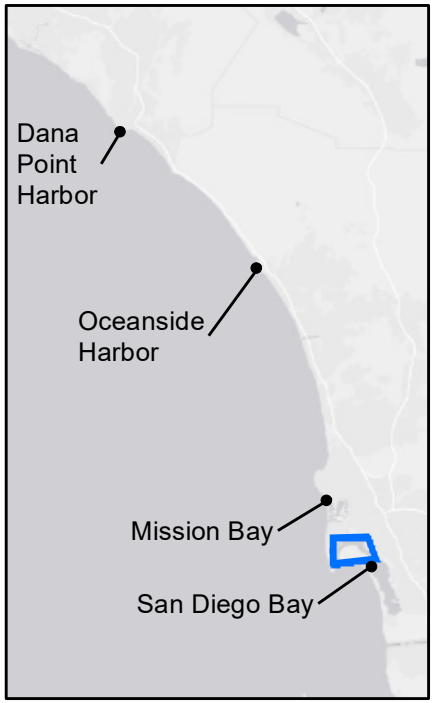


2018 RHMP Actual Collection Locations & Strata

- Deep
- Freshwater- Influenced
- Industrial/ Port
- Marina
- Shallow
- Target Trawl Location

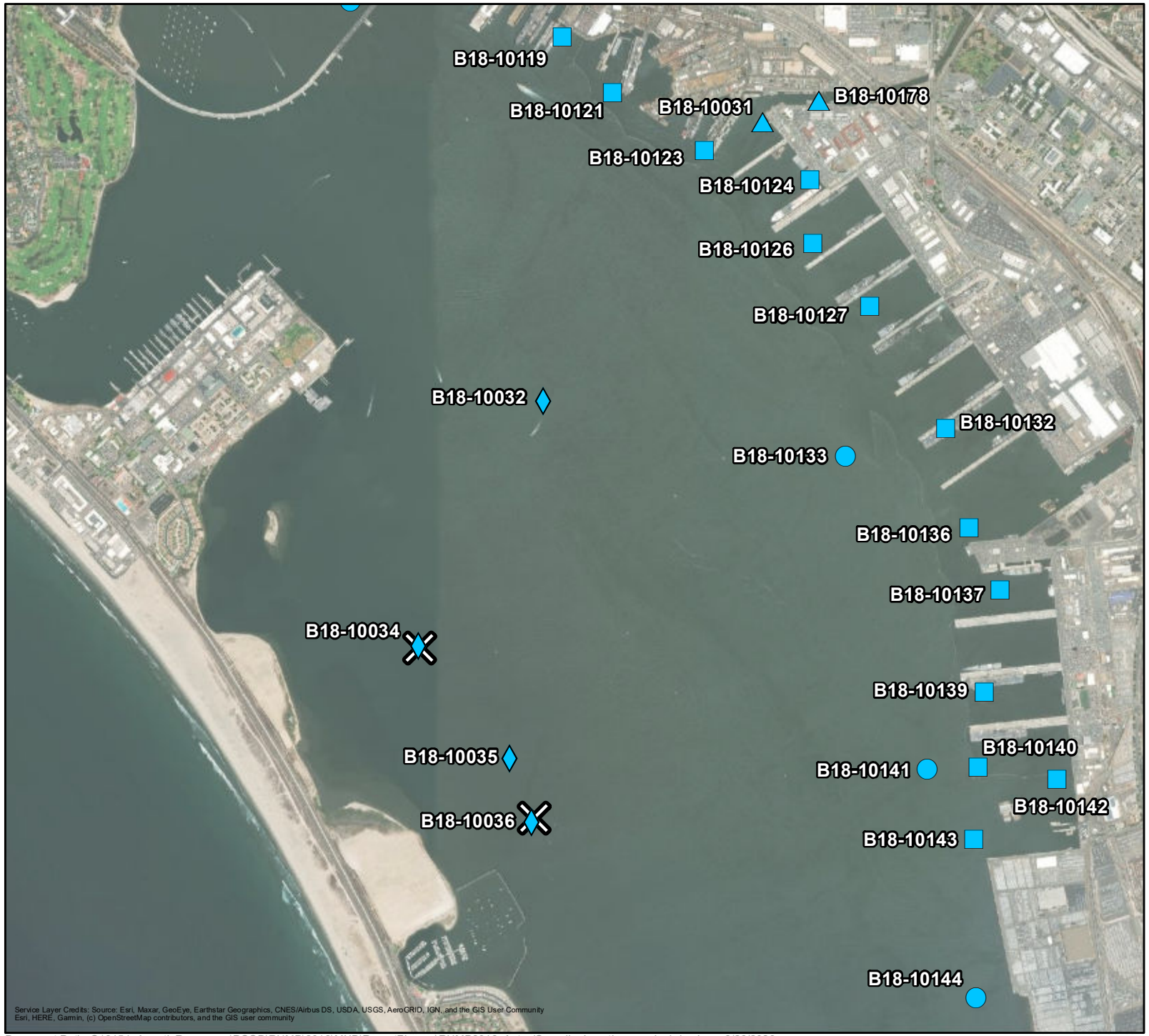
wood.

0 0.9 1.8 km



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Central San Diego Bay

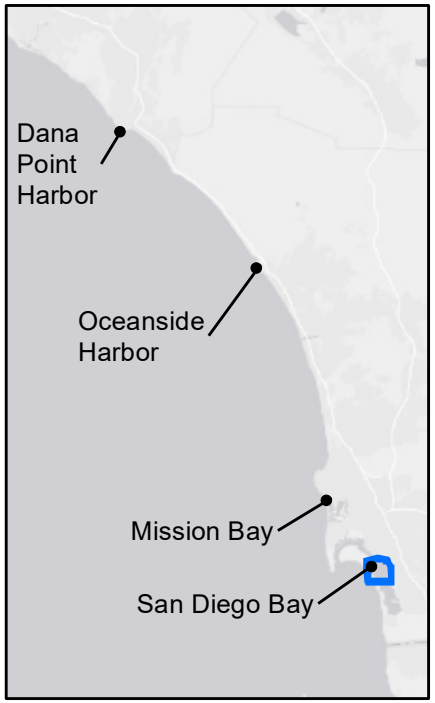


2018 RHMP Actual Collection Locations & Strata

- Deep
- Freshwater- Influenced
- Industrial/ Port
- Marina
- Shallow
- Target Trawl Location

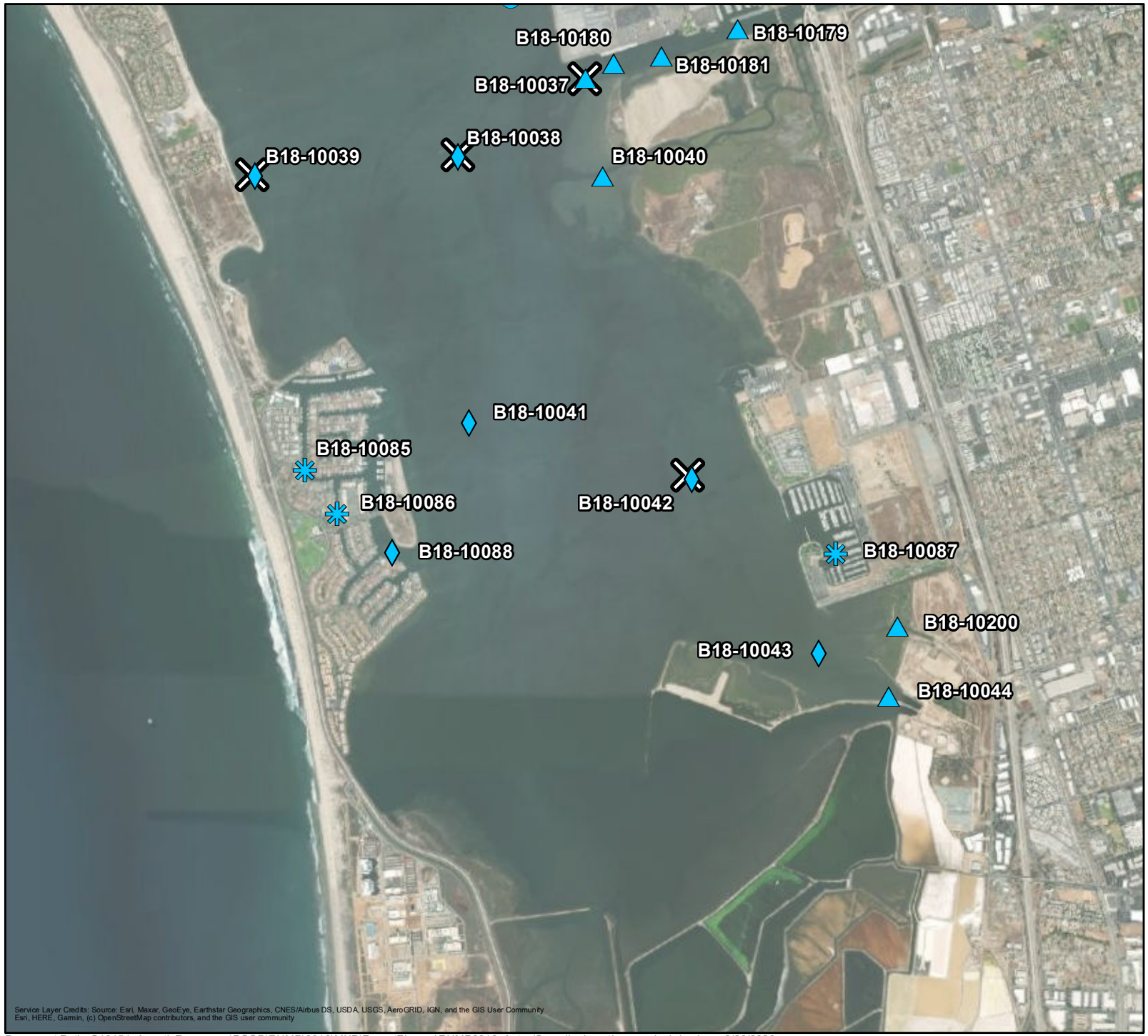
wood.

0 0.5 1 km



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South San Diego Bay

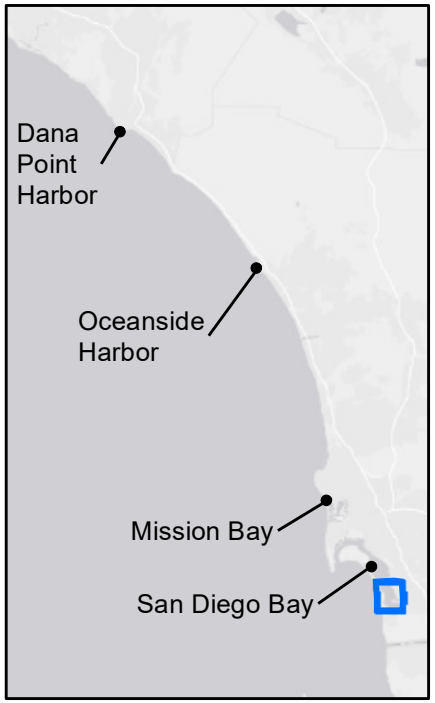


2018 RHMP Actual Collection Locations & Strata

- Deep
- Freshwater- Influenced
- Industrial/ Port
- Marina
- Shallow
- Target Trawl Location

wood.

0 0.7 1.4 km



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Maps of 2023 RHMP Sediment Sampling Locations

Dana Point Harbor



2023 RHMP
Actual Sampling Locations

Water and Sediment Station Stratum

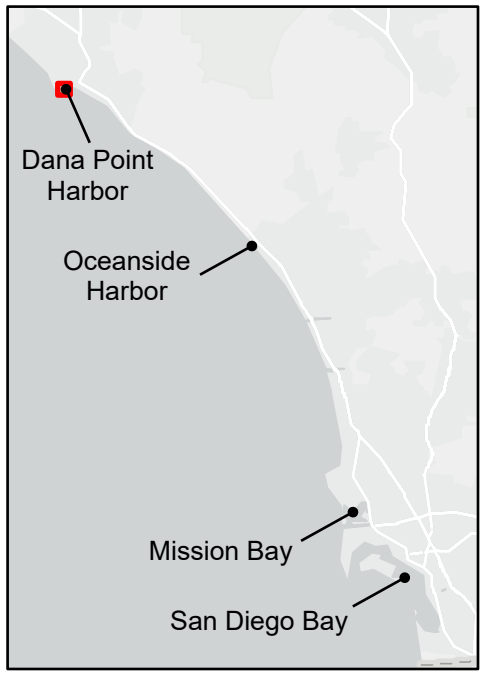
- Deep
- FW-Influenced
- Industrial/Port
- Marina
- Shallow

Trawl Station

- Target Trawl Station
- Trawl Track

wsp

0 0.2 0.4 km



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Oceanside Harbor



2023 RHMP
Actual Sampling Locations

Water and Sediment Station Stratum

- Deep
- FW-Influenced
- Industrial/Port
- Marina
- Shallow

Trawl Station

- Target Trawl Station
- Trawl Track

wsp

0 0.15 0.3 km



Mission Bay



2023 RHMP
Actual Sampling Locations

Water and Sediment Station Stratum

- Deep
- FW-Influenced
- Industrial/Port
- Marina
- Shallow

Trawl Station

- Target Trawl Station
- Trawl Track

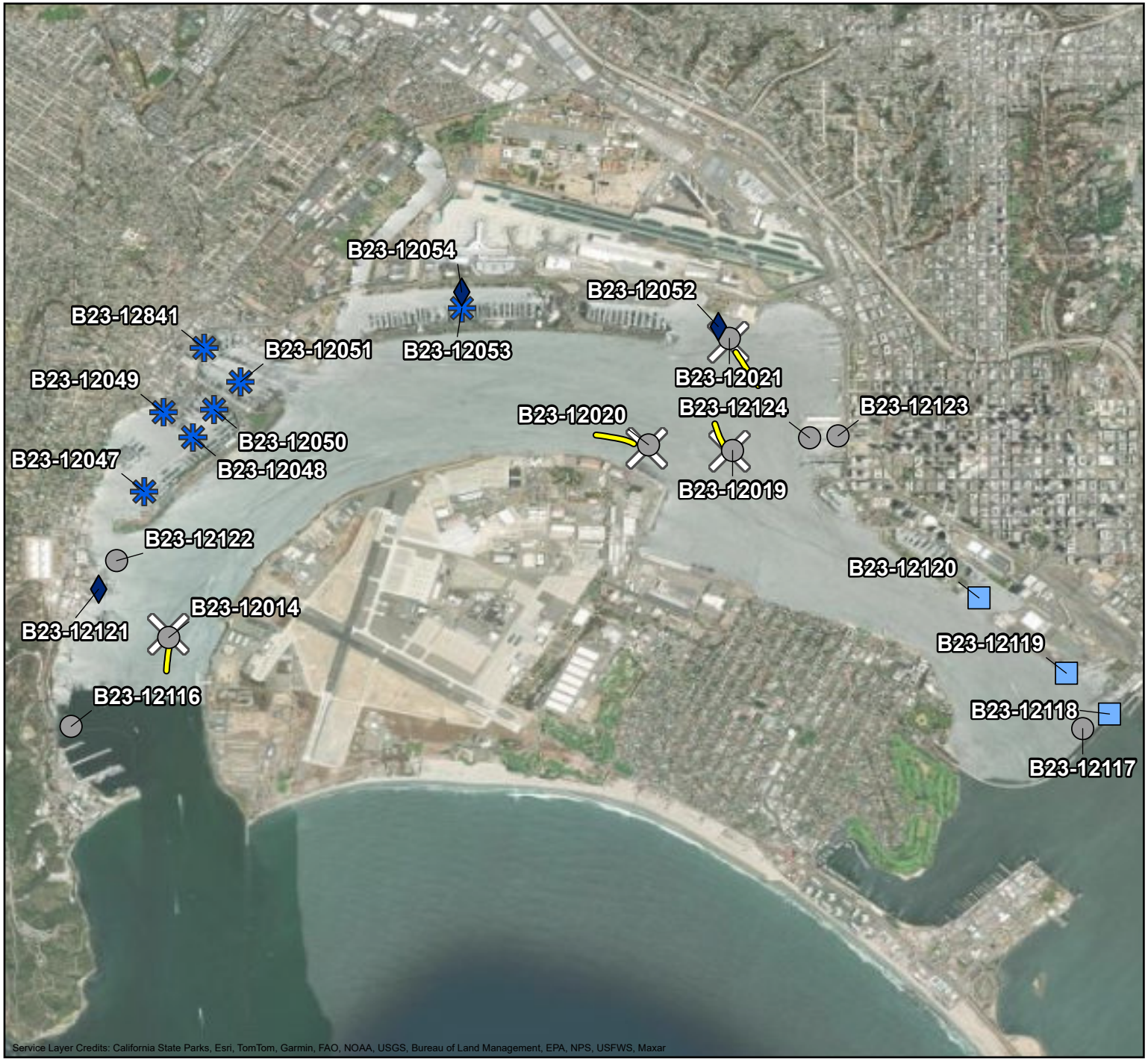
wsp

0 0.6 1.2 km



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North San Diego Bay



2023 RHMP
Actual Sampling Locations

Water and Sediment Station Stratum

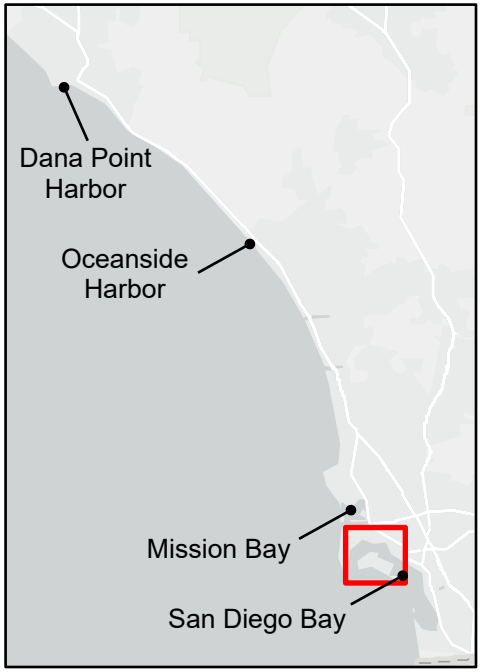
- Deep
- FW-Influenced
- Industrial/Port
- Marina
- Shallow

Trawl Station

- Target Trawl Station
- Trawl Track

wsp

0 0.95 1.9 km



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Central San Diego Bay



2023 RHMP
Actual Sampling Locations

Water and Sediment Station Stratum

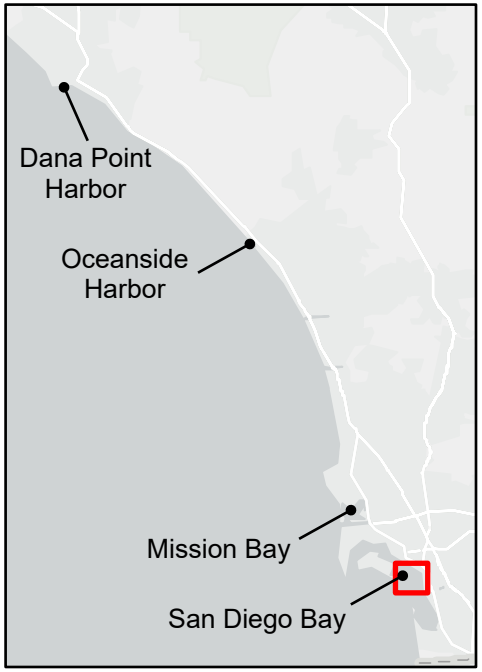
- Deep
- FW-Influenced
- Industrial/Port
- Marina
- Shallow

Trawl Station

- Target Trawl Station
- Trawl Track

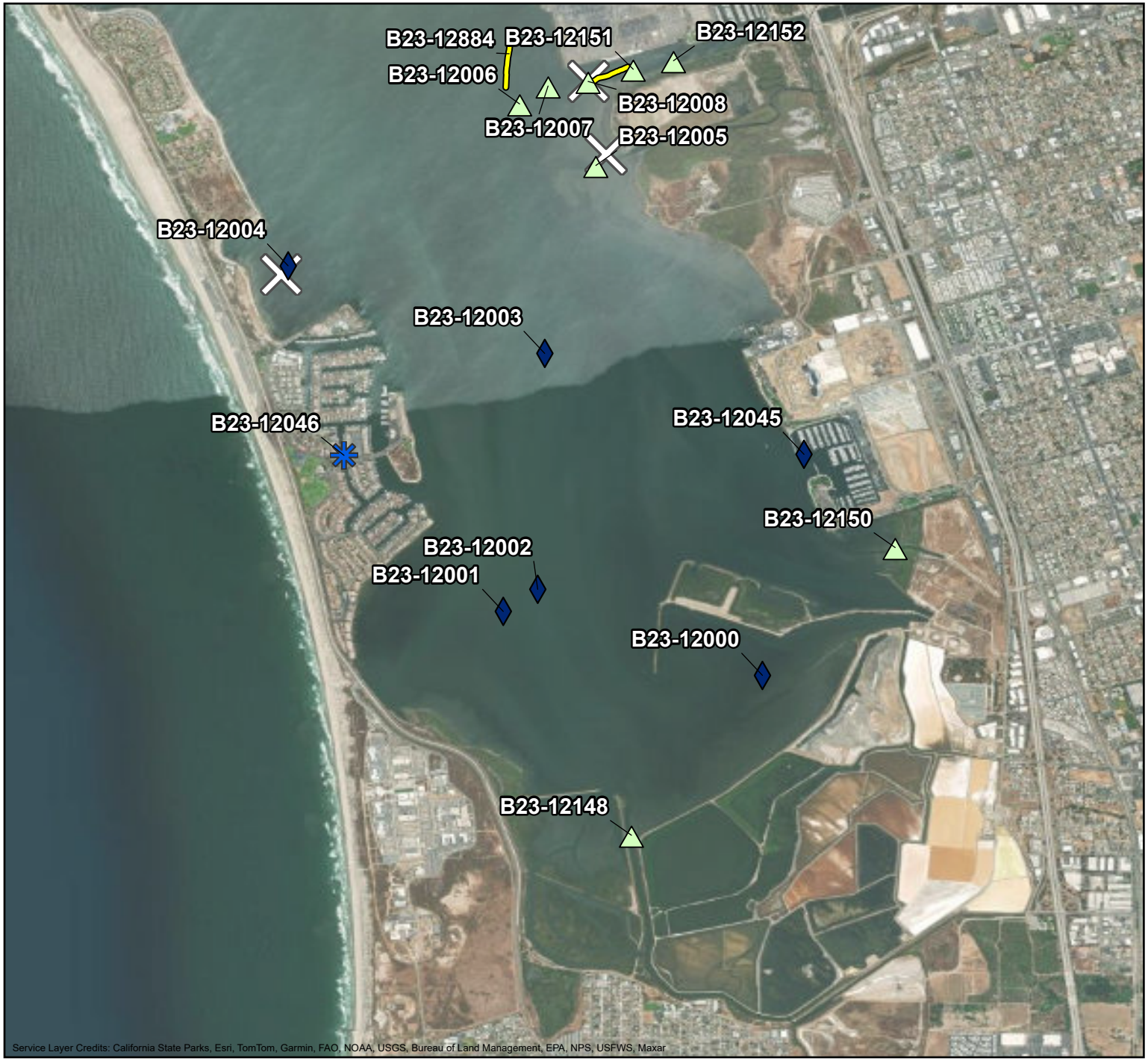
wsp

0 0.5 1 km



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South San Diego Bay



2023 RHMP
Actual Sampling Locations

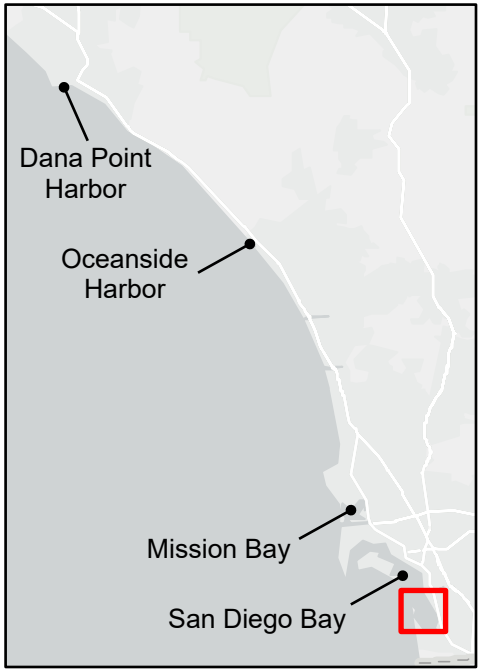
Water and Sediment Station Stratum

- Deep
- FW-Influenced
- Industrial/Port
- Marina
- Shallow

Trawl Station

- Target Trawl Station
- Trawl Track

0 0.7 1.4 km



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APPENDIX B

FISH TISSUE COMPOSITE SUMMARY TABLE

Table B-1. 2023 RHMP Fish Tissue Composite Summary Table

Harbor	RHMP Trawl Station/ FIshing Area	Date	Gear Type	Species	Total Length (mm)	Standard Length (mm)	Weight (g)	Human Health Composite ID	Ecological Risk Composite ID	Comments
Dana Point Harbor	N/A	9/6/2023	Hook and Line	Barred Sand Bass	270	230	332	BSB-DP-HH	BSB-DP-ER	
Dana Point Harbor	N/A	9/6/2023	Hook and Line	Barred Sand Bass	260	220	233	BSB-DP-HH	BSB-DP-ER	
Dana Point Harbor	N/A	9/6/2023	Hook and Line	Barred Sand Bass	210	180	123	BSB-DP-HH	BSB-DP-ER	
Dana Point Harbor	N/A	9/6/2023	Hook and Line	California Halibut	270	240	211	CAH-DP-HH	N/A	
Dana Point Harbor	N/A	9/6/2023	Hook and Line	California Halibut	260	230	175	CAH-DP-HH	N/A	
Dana Point Harbor	B23-12064	8/17/2023	Trawl	Shiner Surfperch	110	90	NR	N/A	SSP-DP-ER	No TL or individual weights recorded on boat
Dana Point Harbor	B23-12064	8/17/2023	Trawl	Shiner Surfperch	119	99	NR	N/A	SSP-DP-ER	No TL or individual weights recorded on boat
Dana Point Harbor	B23-12064	8/17/2023	Trawl	Shiner Surfperch	111	91	NR	N/A	SSP-DP-ER	No TL or individual weights recorded on boat
Dana Point Harbor	B23-12064	8/17/2023	Trawl	Shiner Surfperch	111	91	NR	N/A	SSP-DP-ER	No TL or individual weights recorded on boat
Dana Point Harbor	B23-12064	8/17/2023	Trawl	Shiner Surfperch	120	100	NR	N/A	SSP-DP-ER	No TL or individual weights recorded on boat
Dana Point Harbor	B23-12064	8/17/2023	Trawl	Shiner Surfperch	116	96	NR	N/A	SSP-DP-ER	No TL or individual weights recorded on boat
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	170	150	40	TS-DP-C1-HH	N/A	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	160	150	33	TS-DP-C1-HH	N/A	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	160	140	30	TS-DP-C1-HH	N/A	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	160	140	30	TS-DP-C1-HH	N/A	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	150	130	24	TS-DP-C1-HH	N/A	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	150	130	24	TS-DP-C1-HH	N/A	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	140	120	22	TS-DP-C1-HH	N/A	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	140	120	23	TS-DP-C1-HH	N/A	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	140	120	21	TS-DP-C1-HH	N/A	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	130	120	18	N/A	TS-DP-C2-ER	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	130	120	21	N/A	TS-DP-C2-ER	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	130	110	18	N/A	TS-DP-C2-ER	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	120	110	15	N/A	TS-DP-C2-ER	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	120	100	14	N/A	TS-DP-C2-ER	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	120	100	12	N/A	TS-DP-C2-ER	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	110	90	11	N/A	TS-DP-C2-ER	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	110	100	12	N/A	TS-DP-C2-ER	
Dana Point Harbor	N/A	9/6/2023	Cast Net	Topsmelt	110	90	10	N/A	TS-DP-C2-ER	
Dana Point Harbor	B23-12064	8/17/2023	Trawl	White Surfperch	NR	173	NR	WSP-DP-C1-HH	N/A	No TL or individual weights recorded on boat
Dana Point Harbor	B23-12064	8/17/2023	Trawl	White Surfperch	NR	175	NR	WSP-DP-C1-HH	N/A	No TL or individual weights recorded on boat
Dana Point Harbor	B23-12064	8/17/2023	Trawl	White Surfperch	NR	182	NR	WSP-DP-C1-HH	N/A	No TL or individual weights recorded on boat
Dana Point Harbor	B23-12064	8/17/2023	Trawl	White Surfperch	NR	140	NR	N/A	WSP-DP-C2-ER	No TL or individual weights recorded on boat
Dana Point Harbor	B23-12064	8/17/2023	Trawl	White Surfperch	NR	166	NR	N/A	WSP-DP-C2-ER	No TL or individual weights recorded on boat
Oceanside Harbor	N/A	9/7/2023	Hook and Line	Kelp Bass	270	230	251	KB-OS-HH	KB-OS-ER	
Oceanside Harbor	N/A	9/7/2023	Hook and Line	Kelp Bass	260	230	257	KB-OS-HH	KB-OS-ER	
Oceanside Harbor	N/A	9/7/2023	Hook and Line	Kelp Bass	240	200	180	KB-OS-HH	KB-OS-ER	
Oceanside Harbor	B23-12060	8/18/2023	Trawl	Shiner Surfperch	130	110	27	SSP-OS-C1-HH	N/A	
Oceanside Harbor	B23-12060	8/18/2023	Trawl	Shiner Surfperch	130	110	27	SSP-OS-C1-HH	N/A	
Oceanside Harbor	B23-12060	8/18/2023	Trawl	Shiner Surfperch	130	110	27	SSP-OS-C1-HH	N/A	
Oceanside Harbor	B23-12060	8/18/2023	Trawl	Shiner Surfperch	130	110	28	SSP-OS-C1-HH	N/A	
Oceanside Harbor	B23-12060	8/18/2023	Trawl	Shiner Surfperch	130	110	27	SSP-OS-C1-HH	N/A	
Oceanside Harbor	B23-12060	8/18/2023	Trawl	Shiner Surfperch	120	100	23	N/A	SSP-OS-C2-ER	
Oceanside Harbor	B23-12060	8/18/2023	Trawl	Shiner Surfperch	120	100	24	N/A	SSP-OS-C2-ER	
Oceanside Harbor	B23-12060	8/18/2023	Trawl	Shiner Surfperch	120	100	22	N/A	SSP-OS-C2-ER	
Oceanside Harbor	B23-12060	8/18/2023	Trawl	Shiner Surfperch	120	100	25	N/A	SSP-OS-C2-ER	

Table B-1. 2023 RHMP Fish Tissue Composite Summary Table

Harbor	RHMP Trawl Station/ FIshing Area	Date	Gear Type	Species	Total Length (mm)	Standard Length (mm)	Weight (g)	Human Health Composite ID	Ecological Risk Composite ID	Comments
Oceanside Harbor	B23-12060	8/18/2023	Trawl	Shiner Surfperch	120	100	24	N/A	SSP-OS-C2-ER	
Oceanside Harbor	N/A	9/7/2023	Hook and Line	Spotted Sand Bass	340	300	553	SSB-OS-C1-HH	SSB-OS-C1-ER	
Oceanside Harbor	N/A	9/7/2023	Hook and Line	Spotted Sand Bass	330	290	525	SSB-OS-C1-HH	SSB-OS-C1-ER	
Oceanside Harbor	N/A	9/7/2023	Hook and Line	Spotted Sand Bass	320	280	543	SSB-OS-C1-HH	SSB-OS-C1-ER	
Oceanside Harbor	N/A	9/7/2023	Hook and Line	Spotted Sand Bass	300	260	430	SSB-OS-C2-HH	SSB-OS-C2-ER	
Oceanside Harbor	N/A	9/7/2023	Hook and Line	Spotted Sand Bass	260	230	264	SSB-OS-C2-HH	SSB-OS-C2-ER	
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	70	60	BW	TS-OS-C1-HH	N/A	Batch weight = 15 g
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	70	60	BW	TS-OS-C1-HH	N/A	Batch weight = 15 g
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	70	60	BW	TS-OS-C1-HH	N/A	Batch weight = 15 g
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	70	60	BW	TS-OS-C1-HH	N/A	Batch weight = 15 g
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	70	60	BW	TS-OS-C1-HH	N/A	Batch weight = 15 g
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	70	60	BW	TS-OS-C1-HH	N/A	Batch weight = 15 g
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	70	60	BW	TS-OS-C1-HH	N/A	Batch weight = 15 g
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	70	60	BW	TS-OS-C1-HH	N/A	Batch weight = 15 g
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	70	60	BW	N/A	TS-OS-C2-ER	Batch weight = 12 g
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	70	60	BW	N/A	TS-OS-C2-ER	Batch weight = 12 g
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	70	60	BW	N/A	TS-OS-C2-ER	Batch weight = 12 g
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	60	50	BW	N/A	TS-OS-C2-ER	Batch weight = 12 g
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	60	50	BW	N/A	TS-OS-C2-ER	Batch weight = 12 g
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	60	50	BW	N/A	TS-OS-C2-ER	Batch weight = 12 g
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	60	50	BW	N/A	TS-OS-C2-ER	Batch weight = 12 g
Oceanside Harbor	N/A	9/7/2023	Cast Net	Topsmelt	60	50	BW	N/A	TS-OS-C2-ER	Batch weight = 12 g
Oceanside Harbor	N/A	9/7/2023	Hook and Line	White Seabass	430	400	900	WSB-OS-HH	N/A	
Oceanside Harbor	N/A	9/7/2023	Hook and Line	White Seabass	420	390	830	WSB-OS-HH	N/A	
Oceanside Harbor	N/A	9/7/2023	Hook and Line	White Seabass	400	370	810	WSB-OS-HH	N/A	
Oceanside Harbor	B23-12060	8/18/2023	Trawl	White Surfperch	240	200	163	WSP-OS-C1-HH	N/A	
Oceanside Harbor	B23-12060	8/18/2023	Trawl	White Surfperch	220	190	128	WSP-OS-C1-HH	N/A	
Oceanside Harbor	B23-12060	8/18/2023	Trawl	White Surfperch	200	170	91	N/A	WSP-OS-C2-ER	
Oceanside Harbor	B23-12060	8/18/2023	Trawl	White Surfperch	190	160	91	N/A	WSP-OS-C2-ER	
Mission Bay	B23-12024	8/23/2023	Trawl	Barred Sand Bass	170	150	62	N/A	BSB-MB-ER	
Mission Bay	B23-12024	8/23/2023	Trawl	Barred Sand Bass	160	140	57	N/A	BSB-MB-ER	
Mission Bay	B23-12023-Dup	8/23/2023	Trawl	Barred Sand Bass	160	140	48	N/A	BSB-MB-ER	
Mission Bay	B23-12023-Dup	8/23/2023	Trawl	Barred Sand Bass	150	120	42	N/A	BSB-MB-ER	
Mission Bay	B23-12024	8/23/2023	Trawl	California Halibut	230	190	101	CAH-MB-HH	N/A	
Mission Bay	B23-12024	8/23/2023	Trawl	California Halibut	190	160	57	CAH-MB-HH	N/A	
Mission Bay	B23-12024	8/23/2023	Trawl	California Halibut	150	130	30	CAH-MB-HH	N/A	
Mission Bay	B23-12023	8/23/2023	Trawl	Kelp Bass	150	130	41	N/A	KB-MB-ER	
Mission Bay	B23-12023	8/23/2023	Trawl	Kelp Bass	150	130	39	N/A	KB-MB-ER	
Mission Bay	B23-12023	8/23/2023	Trawl	Kelp Bass	140	120	41	N/A	KB-MB-ER	
Mission Bay	B23-12024	8/23/2023	Trawl	Round Ray	300	N/A	270	RR-MB-HH	N/A	Disk width = 170 mm
Mission Bay	B23-12024	8/23/2023	Trawl	Round Ray	290	N/A	245	RR-MB-HH	N/A	Disk width = 160 mm
Mission Bay	B23-12024	8/23/2023	Trawl	Round Ray	270	N/A	208	RR-MB-HH	N/A	Disk width = 150 mm
Mission Bay	B23-12024	8/23/2023	Trawl	Round Ray	250	N/A	186	RR-MB-HH	N/A	Disk width = 150 mm
Mission Bay	B23-12024	8/23/2023	Trawl	Round Ray	240	N/A	185	RR-MB-HH	N/A	Disk width = 150 mm
Mission Bay	B23-12023	8/23/2023	Trawl	Shiner Surfperch	80	70	7	N/A	SSP-MB-ER	
Mission Bay	B23-12023	8/23/2023	Trawl	Shiner Surfperch	80	70	6	N/A	SSP-MB-ER	

Table B-1. 2023 RHMP Fish Tissue Composite Summary Table

Harbor	RHMP Trawl Station/ FIshing Area	Date	Gear Type	Species	Total Length (mm)	Standard Length (mm)	Weight (g)	Human Health Composite ID	Ecological Risk Composite ID	Comments
Mission Bay	B23-12023	8/23/2023	Trawl	Shiner Surfperch	70	60	5	N/A	SSP-MB-ER	
Mission Bay	B23-12023	8/23/2023	Trawl	Shiner Surfperch	70	60	5	N/A	SSP-MB-ER	
Mission Bay	B23-12023	8/23/2023	Trawl	Shiner Surfperch	70	60	4	N/A	SSP-MB-ER	
Mission Bay	B23-12023	8/23/2023	Trawl	Shiner Surfperch	70	60	6	N/A	SSP-MB-ER	
Mission Bay	B23-12023	8/23/2023	Trawl	Shiner Surfperch	70	60	5	N/A	SSP-MB-ER	
Mission Bay	B23-12023	8/23/2023	Trawl	Shiner Surfperch	70	60	6	N/A	SSP-MB-ER	
Mission Bay	B23-12023	8/23/2023	Trawl	Shiner Surfperch	70	60	5	N/A	SSP-MB-ER	
Mission Bay	B23-12023	8/23/2023	Trawl	Shiner Surfperch	70	60	5	N/A	SSP-MB-ER	
Mission Bay	B23-12023	8/23/2023	Trawl	Shiner Surfperch	70	60	5	N/A	SSP-MB-ER	
Mission Bay	B23-12023	8/23/2023	Trawl	Spotted Sand Bass	340	290	549	SSB-MB-C1-HH	SSB-MB-C1-ER	
Mission Bay	B23-12023	8/23/2023	Trawl	Spotted Sand Bass	300	270	376	SSB-MB-C1-HH	SSB-MB-C1-ER	
Mission Bay	B23-12023-Dup	8/23/2023	Trawl	Spotted Sand Bass	300	260	425	SSB-MB-C1-HH	SSB-MB-C1-ER	
Mission Bay	B23-12023	8/23/2023	Trawl	Spotted Sand Bass	290	260	370	SSB-MB-C1-HH	SSB-MB-C1-ER	
Mission Bay	B23-12023-Dup	8/23/2023	Trawl	Spotted Sand Bass	280	250	369	SSB-MB-C1-HH	SSB-MB-C1-ER	
Mission Bay	B23-12023-Dup	8/23/2023	Trawl	White Surfperch	240	210	177	WSP-MB-HH	WSP-MB-ER	
Mission Bay	B23-12023-Dup	8/23/2023	Trawl	White Surfperch	220	190	153	WSP-MB-HH	WSP-MB-ER	
Mission Bay	Mariner's Cove	2/12/2024	Hook and Line	Spotted Sand Bass	335	295	603	SSB-MB-C2-HH	SSB-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Hook and Line	Spotted Sand Bass	320	275	534	SSB-MB-C2-HH	SSB-MB-C2-ER	
Mission Bay	Mariner's Cove	2/23/2024	Hook and Line	Spotted Sand Bass	260	230	245	SSB-MB-C2-HH	SSB-MB-C2-ER	
Mission Bay	Mariner's Cove	2/23/2024	Hook and Line	Spotted Sand Bass	340	300	615	SSB-MB-C2-HH	SSB-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	130	110	15	TS-MB-C1-HH	N/A	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	165	140	31	TS-MB-C1-HH	N/A	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	130	110	15	TS-MB-C1-HH	N/A	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	165	140	31	TS-MB-C1-HH	N/A	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	120	105	11	TS-MB-C1-HH	N/A	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	125	110	13	TS-MB-C1-HH	N/A	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	135	120	14	TS-MB-C1-HH	N/A	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	130	110	12	TS-MB-C1-HH	N/A	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	90	75	3	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	90	80	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	105	90	6	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	100	80	7	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	70	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	65	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	85	70	6	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	90	80	5	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	70	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	65	55	2	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	85	70	5	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	85	75	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	85	70	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	90	75	5	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	70	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	85	70	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	90	75	5	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	85	70	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	65	5	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	70	4	N/A	TS-MB-C2-ER	

Table B-1. 2023 RHMP Fish Tissue Composite Summary Table

Harbor	RHMP Trawl Station/ FIshing Area	Date	Gear Type	Species	Total Length (mm)	Standard Length (mm)	Weight (g)	Human Health Composite ID	Ecological Risk Composite ID	Comments
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	75	65	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	70	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	75	65	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	70	3	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	70	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	70	60	2	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	75	65	2	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	70	3	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	85	75	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	85	75	3	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	90	80	5	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	95	80	5	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	90	80	5	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	75	65	3	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	90	75	5	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	85	70	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	90	80	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	95	80	5	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	65	3	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	70	3	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	85	70	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	70	3	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	85	70	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	70	3	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	85	70	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	100	90	6	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	70	2	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	85	75	4	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	70	3	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	70	65	2	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	85	75	3	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	75	65	2	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	90	75	5	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	70	3	N/A	TS-MB-C2-ER	
Mission Bay	Mariner's Cove	2/12/2024	Cast Net	Topsmelt	80	70	3	N/A	TS-MB-C2-ER	
Mission Bay	East Mission Bay	2/23/2024	Hook and Line	Spotted Sand Bass	330	280	545	SSB-MB-C3-HH	SSB-MB-C3-ER	
Mission Bay	East Mission Bay	2/23/2024	Hook and Line	Spotted Sand Bass	310	265	455	SSB-MB-C3-HH	SSB-MB-C3-ER	
Mission Bay	East Mission Bay	2/23/2024	Hook and Line	Spotted Sand Bass	285	245	365	SSB-MB-C3-HH	SSB-MB-C3-ER	
Mission Bay	East Mission Bay	2/23/2024	Hook and Line	Spotted Sand Bass	280	245	375	SSB-MB-C3-HH	SSB-MB-C3-ER	
Mission Bay	East Mission Bay	2/23/2024	Hook and Line	Spotted Sand Bass	275	240	305	SSB-MB-C3-HH	SSB-MB-C3-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	130	110	15	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	155	135	26	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	145	125	23	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	130	115	15	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	140	120	19	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	130	110	16	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	150	130	25	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	135	115	16	TS-MB-C3-HH	N/A	

Table B-1. 2023 RHMP Fish Tissue Composite Summary Table

Harbor	RHMP Trawl Station/ FIshing Area	Date	Gear Type	Species	Total Length (mm)	Standard Length (mm)	Weight (g)	Human Health Composite ID	Ecological Risk Composite ID	Comments
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	120	105	11	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	125	105	13	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	135	115	15	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	130	110	17	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	125	105	15	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	125	110	14	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	130	110	15	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	130	120	18	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	140	115	17	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	135	115	15	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	125	105	14	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	135	115	15	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	120	100	13	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	125	105	14	TS-MB-C3-HH	N/A	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	90	80	5	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	100	85	7	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	95	80	5	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	85	70	5	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	90	75	3	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	90	80	5	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	95	80	7	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	90	75	5	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	95	80	5	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	90	75	4	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	95	80	5	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	90	75	5	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	90	80	5	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	95	80	6	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	90	75	4	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	90	75	5	N/A	TS-MB-C4-ER	
Mission Bay	East Mission Bay	2/23/2024	Cast Net	Topsmelt	90	75	4	N/A	TS-MB-C4-ER	
North San Diego Bay	B23-12021	8/24/2023	Trawl	Barred Sand Bass	180	150	82	N/A	BSB-NSDB-ER	
North San Diego Bay	B23-12020	8/24/2023	Trawl	Barred Sand Bass	160	140	51	N/A	BSB-NSDB-ER	
North San Diego Bay	B23-12021	8/24/2023	Trawl	Barred Sand Bass	150	120	39	N/A	BSB-NSDB-ER	
North San Diego Bay	B23-12021	8/24/2023	Trawl	California Halibut	230	190	97	CAH-NSDB-HH	N/A	
North San Diego Bay	B23-12021	8/24/2023	Trawl	California Halibut	230	200	115	CAH-NSDB-HH	N/A	
North San Diego Bay	B23-12021	8/24/2023	Trawl	California Halibut	210	170	82	CAH-NSDB-HH	N/A	
North San Diego Bay	B23-12021	8/24/2023	Trawl	California Halibut	190	160	60	CAH-NSDB-HH	N/A	
North San Diego Bay	B23-12021	8/24/2023	Trawl	California Halibut	190	160	56	CAH-NSDB-HH	N/A	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Jacksmelt	303	268	209	JS-NSDB-C1-HH	JS-NSDB-C1-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Jacksmelt	243	211	102	JS-NSDB-C1-HH	JS-NSDB-C1-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Jacksmelt	239	211	102	JS-NSDB-C1-HH	JS-NSDB-C1-ER	

Table B-1. 2023 RHMP Fish Tissue Composite Summary Table

Harbor	RHMP Trawl Station/ FIshing Area	Date	Gear Type	Species	Total Length (mm)	Standard Length (mm)	Weight (g)	Human Health Composite ID	Ecological Risk Composite ID	Comments
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Jacksmelt	238	207	100	JS-NSDB-C1-HH	JS-NSDB-C1-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Pacific Chub Mackerel	309	277	280	PCM-NSDB-HH	PCM-NSDB-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Pacific Chub Mackerel	291	263	250	PCM-NSDB-HH	PCM-NSDB-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Pacific Chub Mackerel	266	241	140	PCM-NSDB-HH	PCM-NSDB-ER	
North San Diego Bay	B23-12021	8/24/2023	Trawl	Queenfish	170	150	43	N/A	QF-NSDB-ER	
North San Diego Bay	B23-12021	8/24/2023	Trawl	Queenfish	160	140	40	N/A	QF-NSDB-ER	
North San Diego Bay	B23-12021	8/24/2023	Trawl	Queenfish	160	140	40	N/A	QF-NSDB-ER	
North San Diego Bay	B23-12021	8/24/2023	Trawl	Queenfish	150	130	29	N/A	QF-NSDB-ER	
North San Diego Bay	B23-12021	8/24/2023	Trawl	Queenfish	140	120	26	N/A	QF-NSDB-ER	
North San Diego Bay	B23-12021	8/24/2023	Trawl	Queenfish	130	110	20	N/A	QF-NSDB-ER	
North San Diego Bay	B23-12021	8/24/2023	Trawl	Spotted Sand Bass	380	320	660	SSB-NSDB-C1-HH	SSB-NSDB-C1-ER	
North San Diego Bay	B23-12019	8/24/2023	Trawl	Spotted Sand Bass	340	300	574	SSB-NSDB-C1-HH	SSB-NSDB-C1-ER	
North San Diego Bay	B23-12019-Dup	8/24/2023	Trawl	Spotted Sand Bass	330	290	542	SSB-NSDB-C1-HH	SSB-NSDB-C1-ER	
North San Diego Bay	B23-12019	8/24/2023	Trawl	Spotted Sand Bass	260	230	308	SSB-NSDB-C2-HH	SSB-NSDB-C2-ER	
North San Diego Bay	B23-12019	8/24/2023	Trawl	Spotted Sand Bass	250	220	268	SSB-NSDB-C2-HH	SSB-NSDB-C2-ER	
North San Diego Bay	B23-12019	8/24/2023	Trawl	Spotted Sand Bass	240	210	215	SSB-NSDB-C2-HH	SSB-NSDB-C2-ER	
North San Diego Bay	B23-12019	8/24/2023	Trawl	Spotted Sand Bass	240	210	236	SSB-NSDB-C2-HH	SSB-NSDB-C2-ER	
North San Diego Bay	B23-12021	8/24/2023	Trawl	Spotted Sand Bass	220	190	155	SSB-NSDB-C2-HH	SSB-NSDB-C2-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	199	176	63	TS-NSDB-C1-HH	TS-NSDB-C1-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	210	188	77	TS-NSDB-C1-HH	TS-NSDB-C1-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	170	147	37	TS-NSDB-C1-HH	TS-NSDB-C1-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	174	153	41	TS-NSDB-C1-HH	TS-NSDB-C1-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	170	147	37	TS-NSDB-C1-HH	TS-NSDB-C1-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	174	153	41	TS-NSDB-C1-HH	TS-NSDB-C1-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	168	145	33	TS-NSDB-C1-HH	TS-NSDB-C1-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	174	150	39	TS-NSDB-C1-HH	TS-NSDB-C1-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	164	142	35	TS-NSDB-C1-HH	TS-NSDB-C1-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	167	144	34	TS-NSDB-C1-HH	TS-NSDB-C1-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	166	144	33	TS-NSDB-C1-HH	TS-NSDB-C1-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	164	140	35	N/A	TS-NSDB-C2-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	149	130	24	N/A	TS-NSDB-C2-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	158	136	32	N/A	TS-NSDB-C2-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	160	140	32	N/A	TS-NSDB-C2-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	143	126	23	N/A	TS-NSDB-C2-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	152	131	30	N/A	TS-NSDB-C2-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	133	116	18	N/A	TS-NSDB-C2-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	133	115	16	N/A	TS-NSDB-C2-ER	
North San Diego Bay	SD Bay Bait Barge	9/15/2023	Cast Net	Topsmelt	135	117	18	N/A	TS-NSDB-C2-ER	
North San Diego Bay	North Island	1/31/2024	Hook and Line	Jacksmelt	320	280	275	JS-NSDB-C2-HH	N/A	
North San Diego Bay	North Island	1/31/2024	Hook and Line	Jacksmelt	285	250	154	JS-NSDB-C2-HH	N/A	
North San Diego Bay	North Island	1/31/2024	Hook and Line	Jacksmelt	295	255	166	JS-NSDB-C2-HH	N/A	
North San Diego Bay	North Island	1/31/2024	Hook and Line	Spotted Sand Bass	300	265	427	SSB-NSDB-C3-HH	SSB-NSDB-C3-ER	
North San Diego Bay	North Island	1/31/2024	Hook and Line	Spotted Sand Bass	300	265	413	SSB-NSDB-C3-HH	SSB-NSDB-C3-ER	
North San Diego Bay	North Island	1/31/2024	Hook and Line	Spotted Sand Bass	280	250	370	SSB-NSDB-C3-HH	SSB-NSDB-C3-ER	
North San Diego Bay	North Island	1/31/2024	Hook and Line	Spotted Sand Bass	295	255	403	SSB-NSDB-C3-HH	SSB-NSDB-C3-ER	
North San Diego Bay	North Island	1/31/2024	Hook and Line	Spotted Sand Bass	280	250	369	SSB-NSDB-C3-HH	SSB-NSDB-C3-ER	
South San Diego Bay	B23-12012	8/24/2023	Trawl	Barred Sand Bass	190	150	89	N/A	BSB-SSDB-C1-ER	
South San Diego Bay	B23-12012	8/24/2023	Trawl	Barred Sand Bass	180	150	82	N/A	BSB-SSDB-C1-ER	

Table B-1. 2023 RHMP Fish Tissue Composite Summary Table

Harbor	RHMP Trawl Station/ FIshing Area	Date	Gear Type	Species	Total Length (mm)	Standard Length (mm)	Weight (g)	Human Health Composite ID	Ecological Risk Composite ID	Comments
South San Diego Bay	B23-12012	8/24/2023	Trawl	Barred Sand Bass	180	150	83	N/A	BSB-SSDB-C1-ER	
South San Diego Bay	B23-12012	8/24/2023	Trawl	Barred Sand Bass	170	140	79	N/A	BSB-SSDB-C1-ER	
South San Diego Bay	B23-12008	8/25/2023	Trawl	Barred Sand Bass	170	150	62	N/A	BSB-SSDB-C2-ER	
South San Diego Bay	B23-12819	8/25/2023	Trawl	Barred Sand Bass	170	150	66	N/A	BSB-SSDB-C2-ER	
South San Diego Bay	B23-12884	8/25/2023	Trawl	Barred Sand Bass	160	130	46	N/A	BSB-SSDB-C2-ER	
South San Diego Bay	B23-12819	8/25/2023	Trawl	Barred Sand Bass	160	130	48	N/A	BSB-SSDB-C2-ER	
South San Diego Bay	B23-12819	8/25/2023	Trawl	Barred Sand Bass	150	130	40	N/A	BSB-SSDB-C2-ER	
South San Diego Bay	Bioaccum #1	8/25/2023	Trawl	Black Croaker	250	210	191	BC-SSDB-C1-HH	N/A	
South San Diego Bay	Bioaccum #1	8/25/2023	Trawl	Black Croaker	250	210	210	BC-SSDB-C1-HH	N/A	
South San Diego Bay	B23-12009	8/25/2023	Trawl	Black Croaker	230	200	175	BC-SSDB-C1-HH	N/A	
South San Diego Bay	B23-12884	8/25/2023	Trawl	Black Croaker	220	190	140	BC-SSDB-C1-HH	N/A	
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Black Croaker	180	160	84	N/A	BC-SSDB-C1-ER	
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Black Croaker	180	160	72	N/A	BC-SSDB-C1-ER	
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Black Croaker	180	160	85	N/A	BC-SSDB-C1-ER	
South San Diego Bay	B23-12012	8/24/2023	Trawl	Round Ray	290	N/A	292	RR-SSDB-HH	N/A	Disk width = 170 mm
South San Diego Bay	B23-12012	8/24/2023	Trawl	Round Ray	280	N/A	257	RR-SSDB-HH	N/A	Disk width = 170 mm
South San Diego Bay	B23-12012	8/24/2023	Trawl	Round Ray	280	N/A	261	RR-SSDB-HH	N/A	Disk width = 170 mm
South San Diego Bay	B23-12012	8/24/2023	Trawl	Round Ray	280	N/A	262	RR-SSDB-HH	N/A	Disk width = 170 mm
South San Diego Bay	B23-12012	8/24/2023	Trawl	Round Ray	270	N/A	228	RR-SSDB-HH	N/A	Disk width = 160 mm
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	100	80	BW	N/A	SSP-SSDB-C1-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	100	80	BW	N/A	SSP-SSDB-C1-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	100	80	BW	N/A	SSP-SSDB-C1-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	70	BW	N/A	SSP-SSDB-C1-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	70	BW	N/A	SSP-SSDB-C1-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	70	BW	N/A	SSP-SSDB-C1-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	70	BW	N/A	SSP-SSDB-C1-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	80	BW	N/A	SSP-SSDB-C1-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	80	BW	N/A	SSP-SSDB-C1-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	80	BW	N/A	SSP-SSDB-C1-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	80	BW	N/A	SSP-SSDB-C2-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	80	BW	N/A	SSP-SSDB-C2-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	70	BW	N/A	SSP-SSDB-C2-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	70	BW	N/A	SSP-SSDB-C2-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	80	BW	N/A	SSP-SSDB-C2-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	80	BW	N/A	SSP-SSDB-C2-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	80	BW	N/A	SSP-SSDB-C2-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	70	BW	N/A	SSP-SSDB-C2-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	70	BW	N/A	SSP-SSDB-C2-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	90	80	BW	N/A	SSP-SSDB-C2-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Shiner Surfperch	80	70	BW	N/A	SSP-SSDB-C2-ER	Batch weight of all 22 fish = 228 g
South San Diego Bay	B23-12011	8/25/2023	Trawl	Slough Anchovy	NR	See comments	79	SA-SSDB-C1-HH	SA-SSDB-C2-ER	1 of 2. 50 total. SLs: 6x 50 mm, 1x 70mm, 43x 60cm; split into 4 composites (3 with 25 fish and 1 with 24 fish)
South San Diego Bay	B23-12011	8/25/2023	Trawl	Slough Anchovy	NR	See comments	76	SA-SSDB-C3-HH	SA-SSDB-C4-ER	2 of 2. 50 total. SLs: 7x 50 mm, 43x 60mm; split into 4 composites (3 with 25 fish and 1 with 24 fish)

Table B-1. 2023 RHMP Fish Tissue Composite Summary Table

Harbor	RHMP Trawl Station/ FIshing Area	Date	Gear Type	Species	Total Length (mm)	Standard Length (mm)	Weight (g)	Human Health Composite ID	Ecological Risk Composite ID	Comments
South San Diego Bay	B23-12012	8/24/2023	Trawl	Spotted Sand Bass	320	280	479	SSB-SSDB-C1-HH	SSB-SSDB-C1-ER	
South San Diego Bay	B23-12012	8/24/2023	Trawl	Spotted Sand Bass	290	260	394	SSB-SSDB-C1-HH	SSB-SSDB-C1-ER	
South San Diego Bay	B23-12008	8/25/2023	Trawl	Spotted Sand Bass	290	260	360	SSB-SSDB-C1-HH	SSB-SSDB-C1-ER	
South San Diego Bay	B23-12819	8/25/2023	Trawl	Spotted Sand Bass	240	200	184	N/A	SSB-SSDB-C2-ER	
South San Diego Bay	Bioaccum #1	8/25/2023	Trawl	Spotted Sand Bass	240	210	190	N/A	SSB-SSDB-C2-ER	
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Spotted Sand Bass	240	210	197	N/A	SSB-SSDB-C2-ER	
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Spotted Sand Bass	230	200	186	N/A	SSB-SSDB-C2-ER	
South San Diego Bay	B23-12012	8/24/2023	Trawl	Spotted Sand Bass	220	190	152	N/A	SSB-SSDB-C2-ER	
South San Diego Bay	Bioaccum #2	8/25/2023	Trawl	Spotted Sand Bass	190	160	104	N/A	SSB-SSDB-C2-ER	
South San Diego Bay	B23-12009	8/25/2023	Trawl	Yellowfin Croaker	170	150	49	N/A	YFC-SSDB-ER	
South San Diego Bay	Bioaccum #1	8/25/2023	Trawl	Yellowfin Croaker	160	140	42	N/A	YFC-SSDB-ER	
South San Diego Bay	Bioaccum #1	8/25/2023	Trawl	Yellowfin Croaker	160	140	51	N/A	YFC-SSDB-ER	
South San Diego Bay	Bioaccum #1	8/25/2023	Trawl	Yellowfin Croaker	150	130	40	N/A	YFC-SSDB-ER	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Hook and Line	Pacific Barracuda	610	550	830	PB-SSDB-HH	N/A	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Hook and Line	Pacific Barracuda	590	525	780	PB-SSDB-HH	N/A	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Hook and Line	Pacific Barracuda	535	470	530	PB-SSDB-HH	N/A	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Hook and Line	Spotted Sand Bass	300	260	436	SSB-SSDB-C3-HH	SSB-SSDB-C3-ER	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Hook and Line	Spotted Sand Bass	330	295	606	SSB-SSDB-C3-HH	SSB-SSDB-C3-ER	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Hook and Line	Spotted Sand Bass	280	240	381	SSB-SSDB-C3-HH	SSB-SSDB-C3-ER	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Hook and Line	Spotted Sand Bass	295	255	402	SSB-SSDB-C3-HH	SSB-SSDB-C3-ER	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Hook and Line	Spotted Sand Bass	280	245	344	SSB-SSDB-C3-HH	SSB-SSDB-C3-ER	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Cast Net	Topsmelt	200	170	61	TS-SSDB-HH	N/A	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Hook and Line	Spotted Sand Bass	280	245	344	SSB-SSDB-C3-HH	SSB-SSDB-C3-ER	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Cast Net	Topsmelt	200	170	61	TS-SSDB-HH	N/A	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Cast Net	Topsmelt	185	160	45	TS-SSDB-HH	N/A	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Cast Net	Topsmelt	175	145	35	TS-SSDB-HH	N/A	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Cast Net	Topsmelt	160	140	30	TS-SSDB-HH	N/A	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Cast Net	Topsmelt	165	140	30	TS-SSDB-HH	N/A	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Cast Net	Topsmelt	165	140	32	TS-SSDB-HH	N/A	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Cast Net	Topsmelt	155	135	24	N/A	TS-SSDB-ER	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Cast Net	Topsmelt	150	130	27	N/A	TS-SSDB-ER	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Cast Net	Topsmelt	140	120	19	N/A	TS-SSDB-ER	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Cast Net	Topsmelt	145	125	22	N/A	TS-SSDB-ER	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Cast Net	Topsmelt	125	110	13	N/A	TS-SSDB-ER	
South San Diego Bay	South Bay Eelgrass Beds	1/29/2024	Cast Net	Topsmelt	115	100	10	N/A	TS-SSDB-ER	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	175	150	37	TS-SSDB-HH	N/A	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	160	140	31	TS-SSDB-HH	N/A	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	160	140	32	TS-SSDB-HH	N/A	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	150	125	24	TS-SSDB-HH	N/A	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	150	130	24	TS-SSDB-HH	N/A	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	150	130	26	TS-SSDB-HH	N/A	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	145	125	23	TS-SSDB-HH	N/A	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	145	125	22	TS-SSDB-HH	N/A	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	150	130	24	TS-SSDB-HH	N/A	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	150	125	23	TS-SSDB-HH	N/A	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	145	125	21	TS-SSDB-HH	N/A	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	135	120	20	N/A	TS-SSDB-ER	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	135	120	21	N/A	TS-SSDB-ER	

Table B-1. 2023 RHMP Fish Tissue Composite Summary Table

Harbor	RHMP Trawl Station/ FIshing Area	Date	Gear Type	Species	Total Length (mm)	Standard Length (mm)	Weight (g)	Human Health Composite ID	Ecological Risk Composite ID	Comments
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	135	120	19	N/A	TS-SSDB-ER	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	135	115	20	N/A	TS-SSDB-ER	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	135	120	18	N/A	TS-SSDB-ER	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	120	105	12	N/A	TS-SSDB-ER	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	120	105	13	N/A	TS-SSDB-ER	
South San Diego Bay	Sweetwater Mouth	1/29/2024	Cast Net	Topsmelt	115	100	10	N/A	TS-SSDB-ER	

Notes: BW = batch weight; g = gram(s); ID = identifier; mm = millimeter(s); N/A = not applicable; NR = not recorded; RHMP = Regional Harbor Monitoring Program; TL = total length

APPENDIX C

RAW CHEMISTRY REPORTS AND CHAIN-OF-CUSTODY FORMS

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

February 03, 2025

Marisa Swiderski
WSP USA
9177 Sky Park Court
San Diego, CA 92123-

Project Name: 2023 Regional Harbor monitoring Program Project # EIUSC014105836
Physis Project ID: 2307008-026

Dear Marisa,

Enclosed are the analytical results for samples submitted to PHYSIS Environmental Laboratories, Inc. (PHYSIS) on 6/17/2024. A total of 75 samples were received for analysis in accordance with the attached chain of custody (COC). Per the COC, the samples were analyzed for:

Elements
Trace Mercury by EPA 245.7
Trace Arsenic and Selenium by EPA 6020
Organics
Toxaphene w/ OCPs by EPA 8270E-NCI
Polynuclear Aromatic Hydrocarbons by EPA 8270E
PFAS by EPA 1633
Percent Solids by SM 2540 B
Percent Lipids by Gravimetric
Organochlorine Pesticides & PCB Congeners by EPA 8270E

Analytical results in this report apply only to samples submitted to PHYSIS in accordance with the COC and are intended to be considered in their entirety.

Please feel free to contact me at any time with any questions. PHYSIS appreciates the opportunity to provide you with our analytical and support services.

Regards,

Rich Gossett
714 602-5320
Extension 201
richgossett@physislabs.com

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PROJECT SAMPLE LIST

WSP USA

PHYSIS Project ID: 2307008-026

2023 Regional Harbor monitoring Program Project # EIUSC014105836

Total Samples: 75

PHYSIS ID	Sample ID	Description	Date	Time	Matrix	Sample Type
119153	TS-DP-C1-HH	Carcass	9/6/2023		Tissue	Not Specified
119154	TS-DP-C2-ER	Whole Fish	9/6/2023		Tissue	Not Specified
119155	SSP-DP-ER	Whole Fish	8/17/2023		Tissue	Not Specified
119156	WSP-DP-C1-HH	Carcass	8/17/2023		Tissue	Not Specified
119157	WSP-DP-C2-ER	Whole Fish	8/17/2023		Tissue	Not Specified
119158	CA-DP-HH	Skin-off Filets	9/6/2023		Tissue	Not Specified
119159	BSB-DP-HH	Skin-off Filtets	9/6/2023		Tissue	Not Specified
119160	BSB-DP-ER	Carcass + Offal	9/6/2023		Tissue	Not Specified
119161	SSB-OS-C1-HH	Skin-off Filets	9/7/2023		Tissue	Not Specified
119162	SSB-OS-C1-ER	Carcass + Offal	9/7/2023		Tissue	Not Specified
119163	SSB-OS-C2-HH	Skin-off Filets	9/7/2023		Tissue	Not Specified
119164	SSB-OS-C2-ER	Carcass + Offal	9/7/2023		Tissue	Not Specified
119165	TS-OS-C1-HH	Carcass	9/7/2023		Tissue	Not Specified
119166	TS-OS-C2-ER	Whole Fish	9/7/2023		Tissue	Not Specified
119167	SSP-OS-C1-HH	Carcass	8/18/2023		Tissue	Not Specified
119168	SSP-OS-C2-ER	Whole Fish	8/18/2023		Tissue	Not Specified
119169	WSP-OS-C1-HH	Carcass	8/18/2023		Tissue	Not Specified
119170	WSP-OS-C2-ER	Whole Fish	8/18/2023		Tissue	Not Specified
119171	WSB-OS-HH	Skin-off Filets	9/7/2023		Tissue	Not Specified
119172	KB-OS-HH	Skin-off Filets	9/7/2023		Tissue	Not Specified
119173	KB-OS-ER	Carcass + Offal	9/7/2023		Tissue	Not Specified
119174	SSB-MB-C1-HH	Skin-off Filets	8/23/2023		Tissue	Not Specified
119175	SSB-MB-C1-ER	Carcass + Offal	8/23/2023		Tissue	Not Specified
119176	SSB-MB-C2-HH	Skin-off Filets	2/12/2024		Tissue	Not Specified
119177	SSB-MB-C2-ER	Carcass + Offal	2/12/2024		Tissue	Not Specified
119178	SSB-MB-C3-HH	Skin-off Filets	2/23/2024		Tissue	Not Specified
119179	SSB-MB-C3-ER	Carcass + Offal	2/23/2024		Tissue	Not Specified
119180	SSP-MB-ER	Whole Fish	8/23/2023		Tissue	Not Specified
119181	WSP-MB-HH	Carcass	8/23/2023		Tissue	Not Specified
119182	WSP-MB-ER	Offal	8/23/2023		Tissue	Not Specified
119183	CAH-MB-HH	Skin-off Filets	8/23/2023		Tissue	Not Specified
119184	BSB-MB-ER	Whole Fish	8/23/2023		Tissue	Not Specified
119185	KB-MB-ER	Whole Fish	8/23/2023		Tissue	Not Specified
119186	RR-MB-HH	Wings Only	8/23/2023		Tissue	Not Specified
119187	TS-MB-C1-HH	Carcass	2/12/2024		Tissue	Not Specified

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WSP USA

PHYSIS Project ID: 2307008-026

2023 Regional Harbor monitoring Program Project # EIUSC014105836

Total Samples: 75

PHYSIS ID	Sample ID	Description	Date	Time	Matrix	Sample Type
119188	TS-MB-C2-ER	Whole Fish	2/12/2024		Tissue	Not Specified
119189	TS-MB-C3-HH	Carcass	2/23/2024		Tissue	Not Specified
119190	TS-MB-C4-ER	Whole Fish	2/23/2024		Tissue	Not Specified
119191	PCM-NSDB-HH	Skin-off Filets	9/15/2023		Tissue	Not Specified
119192	PCM-NSDB-ER	Carcass + Offal	9/15/2023		Tissue	Not Specified
119193	SSB-NSDB-C1-HH	Skin-off Filets	8/24/2023		Tissue	Not Specified
119194	SSB-NSDB-C1-ER	Carcass + Offal	8/24/2023		Tissue	Not Specified
119195	SSB-NSDB-C2-HH	Skin-off Filets	8/24/2023		Tissue	Not Specified
119196	SSB-NSDB-C2-ER	Carcass + Offal	8/24/2023		Tissue	Not Specified
119197	SSB-NSDB-C3-HH	Skin-off Filets	1/31/2024		Tissue	Not Specified
119198	SSB-NSDB-C3-ER	Carcass + Offal	1/31/2024		Tissue	Not Specified
119199	JS-NSDB-C1-HH	Carcass	9/15/2023		Tissue	Not Specified
119200	JS-NSDB-C1-ER	Offal	9/15/2023		Tissue	Not Specified
119201	JS-NSDB-C2-HH	Carcass	1/31/2024		Tissue	Not Specified
119202	TS-NSDB-C1-HH	Carcass	9/15/2023		Tissue	Not Specified
119203	TS-NSDB-C1-ER	Offal	9/15/2023		Tissue	Not Specified
119204	TS-NSDB-C2-ER	Whole Fish	9/15/2023		Tissue	Not Specified
119205	CAH-NSDB-HH	Skin-off Filets	8/24/2023		Tissue	Not Specified
119206	QF-NSDB-ER	Whole Fish	8/24/2023		Tissue	Not Specified
119207	BSB-NSDB-ER	Whole Fish	8/24/2023		Tissue	Not Specified
119208	SSP-SSDB-C1-ER	Whole Fish	8/25/2023		Tissue	Not Specified
119209	SSP-SSDB-C2-ER	Whole Fish	8/25/2023		Tissue	Not Specified
119210	YFC-SSDB-ER	Whole Fish	8/25/2023		Tissue	Not Specified
119211	BC-SSDB-C1-HH	Skin-off Filets	8/25/2023		Tissue	Not Specified
119212	BC-SSDB-C1-ER	Whole Fish	8/25/2023		Tissue	Not Specified
119213	SSB-SSDB-C1-HH	Skin-off Filets	8/24/2023		Tissue	Not Specified
119214	SSB-SSDB-C1-ER	Carcass + Offal	8/24/2023		Tissue	Not Specified
119215	SSB-SSDB-C2-ER	Whole Fish	8/24/2023		Tissue	Not Specified
119216	SSB-SSDB-C3-HH	Skin-off Filets	1/29/2024		Tissue	Not Specified
119217	SSB-SSDB-C3-ER	Carcass + Offal	1/29/2024		Tissue	Not Specified
119218	BSB-SSDB-C1-ER	Whole Fish	8/24/2023		Tissue	Not Specified
119219	BSB-SSDB-C2-ER	Whole Fish	8/25/2023		Tissue	Not Specified
119220	PB-SSDB-HH	Skin-off Filets	1/29/2024		Tissue	Not Specified
119221	TS-SSDB-HH	Carcass	1/29/2024		Tissue	Not Specified
119222	TS-SSDB-ER	Whole Fish	1/29/2024		Tissue	Not Specified
119223	RR-SSDB-HH	Wings Only	8/24/2023		Tissue	Not Specified
119224	SA-SSDB-C1-HH	Carcass	8/25/2023		Tissue	Not Specified

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WSP USA PHYSIS Project ID: 2307008-026

2023 Regional Harbor monitoring Program Project # EIUSC014105836 Total Samples: 75

PHYSIS ID	Sample ID	Description	Date	Time	Matrix	Sample Type
119225	SA-SSDB-C2-ER	Whole Fish	8/25/2023		Tissue	Not Specified
119226	SA-SSDB-C3-HH	Carcass	8/25/2023		Tissue	Not Specified
119227	SA-SSDB-C4-ER	Whole Fish	8/25/2023		Tissue	Not Specified

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ABBREVIATIONS and ACRONYMS

QM	Quality Manual
QA	Quality Assurance
QC	Quality Control
MDL	method detection limit
RL	reporting limit
R1	project sample
R2	project sample replicate
MS1	matrix spike
MS2	matrix spike replicate
B1	procedural blank
B2	procedural blank replicate
BS1	blank spike
BS2	blank spike replicate
LCS1	laboratory control spike
LCS2	laboratory control spike replicate
LCM1	laboratory control material
LCM2	laboratory control material replicate
CRM1	certified reference material
CRM2	certified reference material replicate
RPD	relative percent difference
LMW	low molecular weight
HMW	high molecular weight

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QUALITY ASSURANCE SUMMARY

LABORATORY BATCH: Physis' QM defines a laboratory batch as a group of 20 or fewer project samples of similar matrix, processed together under the same conditions and with the same reagents. QC samples are associated with each batch and were used to assess the validity of the sample analyses.

PROCEDURAL BLANK: Laboratory contamination introduced during method use is assessed through the preparation and analysis of procedural blanks is provided at a minimum frequency of one per batch.

ACCURACY: Accuracy of analytical measurements is the degree of closeness based on percent recovery calculations between measured values and the actual or true value and includes a combination of reproducibility error and systematic bias due to sampling and analytical operations. Accuracy of the project data was indicated by analysis of MS, BS, LCS, LCM, CRM, and/or surrogate spikes on a minimum frequency of one per batch. Physis' QM requires that 95% of the target compounds greater than 10 times the MDL be within the specified acceptance limits.

PRECISION: Precision is the agreement among a set of replicate measurements without assumption of knowledge of the true value and is based on RPD calculations between repeated values. Precision of the project data was determined by analysis of replicate MS1/MS2, BS1/BS2, LCS1/LCS2, LCM1/LCM2, CRM1/CRM2, surrogate spikes and/or replicate project sample analysis (R1/R2) on a minimum frequency of one per batch. Physis' QM requires that for 95% of the compounds greater than 10 times the MDL, the percent RPD should be within the specified acceptance range.

BLANK SPIKES: BS is the introduction of a known concentration of analyte into the procedural blank. BS demonstrates performance of the preparation and analytical methods on a clean matrix void of potential matrix related interferences. The BS is performed in laboratory deionized water, making these recoveries a better indicator of the efficiency of the laboratory method per se.

MATRIX SPIKES: MS is the introduction of a known concentration of analyte into a sample. MS samples demonstrate the effect a particular project sample matrix has on the accuracy of a measurement. Individually, MS samples also indicate the bias of analytical measurements due to chemical interferences inherent in the in the specific project sample spiked. Intrinsic target analyte concentration in the specific project sample can also significantly impact MS recovery.

CERTIFIED REFERENCE MATERIALS: CRMs are materials of various matrices for which analytical information has been determined and certified by a recognized authority. These are used to provide a quantitative assessment of the accuracy of an analytical method. CRMs provide evidence that the laboratory preparation and analysis produces results that are comparable to those obtained by an independent organization.

LABORATORY CONTROL MATERIAL: LCM is provided because a suitable natural seawater CRM is not available and can be used to indicate accuracy of the method. Physis' internal LCM is seawater collected at ~800 meters in the Southern California San Pedro Basin and can be used as a reference for background concentrations in clean, natural seawater for comparison to project samples.

LABORATORY CONTROL SPIKES: LCS is the introduction of a known concentration of analyte into Physis' LCM. LCS samples were employed to assess the effect the seawater matrix has on the accuracy of a measurement. LCS also indicate the bias of this method due to chemical interferences inherent in the in the seawater matrix. Intrinsic LCM concentration can also significantly impact LCS recovery.

SURROGATES: A surrogate is a pure analyte unlikely to be found in any project sample, behaves similarly to

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the target analyte and most often used with organic analytical procedures. Surrogates are added in known concentration to all samples and are measured to indicate overall efficiency of the method including processing and analyses.

HOLDING TIME: Method recommended holding times are the length of time a project sample can be stored under specific conditions after collection and prior to analysis without significantly affecting the analyte's concentration. Holding times can be extended if preservation techniques are employed to reduce biodegradation, volatilization, oxidation, sorption, precipitation, and other physical and chemical processes.

SAMPLE STORAGE/RETENTION: In order to maintain chemical integrity prior to analysis, all samples submitted to Physis are refrigerated (liquids) or frozen (solids) upon receipt unless otherwise recommended by applicable methods. Solid samples are retained for 1 year from collection while liquid samples are retained until method recommended holding times elapse.

TOTAL/DISSOLVED FRACTION: In some instances, the results for the dissolved fraction may be higher than the total fraction for a particular analyte (e.g. trace metals). This is typically caused by the analytical variation for each result and indicates that the target analyte is primarily in the dissolved phase, within the sample.

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PHYSIS QUALIFIER CODES

CODE	DEFINITION
#	see Case Narrative
ND	analyte not detected at or above the MDL
B	analyte was detected in the procedural blank greater than 10 times the MDL
E	analyte concentration exceeds the upper limit of the linear calibration range, reported value is estimated
H	sample received and/or analyzed past the recommended holding time
J	analyte was detected at a concentration below the RL and above the MDL, reported value is estimated
N	insufficient sample, analysis could not be performed
M	analyte was outside the specified accuracy and/or precision acceptance limits due to matrix interference. The associated B/BS were within limits, therefore the sample data was reported without further clarification
SH	analyte concentration in the project sample exceeded the spike concentration, therefore accuracy and/or precision acceptance limits do not apply
SL	analyte results were lower than 10 times the MDL, therefore accuracy and/or precision acceptance limits do not apply
NH	project sample was heterogeneous and sample homogeneity could not be readily achieved using routine laboratory practices, therefore accuracy and/or precision acceptance limits do not apply
Q	analyte was outside the specified QAPP acceptance limits for precision and/or accuracy but within Physis derived acceptance limits, therefore the sample data was reported without further clarification
R	Physis' QM allows for 5% of the target compounds greater than 10 times the MDL to be outside the specified acceptance limits for precision and/or accuracy. This is often due to random error and does not indicate any significant problems with the analysis of these project samples

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ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

CASE NARRATIVE

QUALIFIER NOTES

PROJECT NAME: 2023 Regional Harbor Monitoring Program PHYSIS PROJECT ID 2307008-026

QA CODE- E

Samples in the table below were analyzed for Dieldrin using EPA Method 8270 by GCMS. The quantitation of samples analyzed by GCMS uses a single ion (AMU 261) and 2 or more additional ions (AMU 263 and AMU 277) to confirm the identification of the target analyte. For these specific Dieldrin samples the quantitation ion was clearly present; however, at low concentrations, this analyte may or may not be present since their signals are near the level of the instrument noise and may or may not have the expected qualifier ion ratios for positive confirmation. Therefore, the confirmation peaks used to report these low concentrations are detected but not quantified and flagged as estimated.

LabID	Client Sample ID	Sample Description	Result	Units
119205-R1	CAH-NSDB-HH	Skin-off Filets	1.48	ng/wet g
119211-R1	BC-SSDB-C1-HH	Skin-off Filets	3.53	ng/wet g
119187-R1	TS-MB-C1-HH	Carcass	5.28	ng/wet g
119186-R1	RR-MB-HH	Wings Only	6.08	ng/wet g
119158-R1	CA-DP-HH	Skin-off Filets	9.9	ng/wet g
119157-R1	WSP-DP-C2-ER	Whole Fish	15.8	ng/wet g
119156-R1	WSP-DP-C1-HH	Carcass	21.9	ng/wet g
119155-R1	SSP-DP-ER	Whole Fish	28	ng/wet g

ANALYTICAL REPORT

PHYSIS
TERRA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119153-R1	**TS-DP-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 06-Sep-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	104	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB112)	EPA 8270E	% Recovery	94	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB198)	EPA 8270E	% Recovery	82	1			Total		O-49056	09-Jan-25	14-Jan-25
(TCMX)	EPA 8270E	% Recovery	86	1			Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	8.46	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g		1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	14-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49056	09-Jan-25	14-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	14-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	15-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.287	1	0.186	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119154-R1	**TS-DP-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**06-Sep-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	108	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB112)	EPA 8270E	% Recovery	88	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB198)	EPA 8270E	% Recovery	80	1			Total		O-49056	09-Jan-25	14-Jan-25
(TCMX)	EPA 8270E	% Recovery	72	1			Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	11.6	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.255	1	0.187	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	0.256	1	0.179	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.196	1	0.192	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	14-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	15-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.573	1	0.186	0.5	Total		O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119155-R1	**SSP-DP-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**17-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	98	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB112)	EPA 8270E	% Recovery	80	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB198)	EPA 8270E	% Recovery	84	1			Total		O-49056	09-Jan-25	14-Jan-25
(TCMX)	EPA 8270E	% Recovery	75	1			Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	3.86	1	0.267	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	12.8	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.248	1	0.187	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	0.18	1	0.179	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.564	1	0.192	0.5	Total		O-49056	09-Jan-25	14-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dieldrin	EPA 8270E	ng/wet g	28	1	0.1	0.2	Total	E	O-49056	09-Jan-25	14-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	14-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	15-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.744	1	0.186	0.5	Total		O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119156-R1	**WSP-DP-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**17-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	74	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB112)	EPA 8270E	% Recovery	73	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB198)	EPA 8270E	% Recovery	70	1			Total		O-49056	09-Jan-25	14-Jan-25
(TCMX)	EPA 8270E	% Recovery	73	1			Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	8.07	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	14-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.28	1	0.192	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dieldrin	EPA 8270E	ng/wet g	21.9	1	0.1	0.2	Total	E	O-49056	09-Jan-25	14-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	14-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	15-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.525	1	0.186	0.5	Total		O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119157-R1	**WSP-DP-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**17-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	96	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB112)	EPA 8270E	% Recovery	75	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB198)	EPA 8270E	% Recovery	65	1			Total		O-49056	09-Jan-25	14-Jan-25
(TCMX)	EPA 8270E	% Recovery	70	1			Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	7.23	1	0.267	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	8.31	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	14-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.632	1	0.192	0.5	Total		O-49056	09-Jan-25	14-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dieldrin	EPA 8270E	ng/wet g	15.8	1	0.1	0.2	Total	E	O-49056	09-Jan-25	14-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	14-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	15-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.304	1	0.186	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119158-R1	**CA-DP-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 06-Sep-23**			**Received: 17-Jun-24**	
(PCB030)	EPA 8270E	% Recovery	72	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB112)	EPA 8270E	% Recovery	72	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB198)	EPA 8270E	% Recovery	71	1			Total		O-49056	09-Jan-25	14-Jan-25
(TCMX)	EPA 8270E	% Recovery	62	1			Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	2.22	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	14-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49056	09-Jan-25	14-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dieldrin	EPA 8270E	ng/wet g	9.9	1	0.1	0.2	Total	E	O-49056	09-Jan-25	14-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	14-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	15-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119159-R1	**BSB-DP-HH Skin-off Filtets**		**Matrix: Tissue**				**Sampled: 06-Sep-23**			**Received: 17-Jun-24**	
(PCB030)	EPA 8270E	% Recovery	91	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB112)	EPA 8270E	% Recovery	96	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB198)	EPA 8270E	% Recovery	78	1			Total		O-49056	09-Jan-25	14-Jan-25
(TCMX)	EPA 8270E	% Recovery	64	1			Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	6.03	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	1.49	1	0.179	0.5	Total		O-49056	09-Jan-25	14-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49056	09-Jan-25	14-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	14-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	16-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119160-R1	**BSB-DP-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**06-Sep-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	78	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB112)	EPA 8270E	% Recovery	75	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB198)	EPA 8270E	% Recovery	80	1			Total		O-49056	09-Jan-25	14-Jan-25
(TCMX)	EPA 8270E	% Recovery	73	1			Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	22.1	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	14-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49056	09-Jan-25	14-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	14-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	16-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	1.02	1	0.186	0.5	Total		O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119161-R1	**SSB-OS-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	103	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB112)	EPA 8270E	% Recovery	91	1			Total		O-49056	09-Jan-25	14-Jan-25
(PCB198)	EPA 8270E	% Recovery	62	1			Total		O-49056	09-Jan-25	14-Jan-25
(TCMX)	EPA 8270E	% Recovery	101	1			Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	0.276	1	0.267	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	14-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	8.11	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	14-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	14-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49056	09-Jan-25	14-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	14-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	15-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.237	1	0.186	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119162-R1	**SSB-OS-C1-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 07-Sep-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	105	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB112)	EPA 8270E	% Recovery	100	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB198)	EPA 8270E	% Recovery	108	1			Total		O-49056	09-Jan-25	15-Jan-25
(TCMX)	EPA 8270E	% Recovery	67	1			Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	68	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	3.12	1	0.128	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	15-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49056	09-Jan-25	15-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	15-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	16-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.937	1	0.186	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119163-R1	**SSB-OS-C2-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	80	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB112)	EPA 8270E	% Recovery	97	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB198)	EPA 8270E	% Recovery	129	1			Total		O-49056	09-Jan-25	15-Jan-25
(TCMX)	EPA 8270E	% Recovery	56	1			Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	16.6	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	15-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49056	09-Jan-25	15-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	15-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	16-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119164-R1	**SSB-OS-C2-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 07-Sep-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	86	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB112)	EPA 8270E	% Recovery	93	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB198)	EPA 8270E	% Recovery	111	1			Total		O-49056	09-Jan-25	15-Jan-25
(TCMX)	EPA 8270E	% Recovery	50	1			Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	51.3	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	15-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49056	09-Jan-25	15-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	15-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	16-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	1.5	1	0.186	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119165-R1	**TS-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 07-Sep-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	96	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB112)	EPA 8270E	% Recovery	84	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB198)	EPA 8270E	% Recovery	123	1			Total		O-49056	09-Jan-25	15-Jan-25
(TCMX)	EPA 8270E	% Recovery	53	1			Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	21.7	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	2.2	1	0.187	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	15-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	5.02	1	0.192	0.5	Total		O-49056	09-Jan-25	15-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	176	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	15-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	16-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119166-R1	**TS-OS-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	80	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB112)	EPA 8270E	% Recovery	77	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB198)	EPA 8270E	% Recovery	128	1			Total		O-49056	09-Jan-25	15-Jan-25
(TCMX)	EPA 8270E	% Recovery	62	1			Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	18.2	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	15-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49056	09-Jan-25	15-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	15-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	16-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119167-R1	**SSP-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**18-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	96	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB112)	EPA 8270E	% Recovery	70	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB198)	EPA 8270E	% Recovery	120	1			Total		O-49056	09-Jan-25	15-Jan-25
(TCMX)	EPA 8270E	% Recovery	64	1			Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	28	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	15-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49056	09-Jan-25	15-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	15-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	16-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119168-R1	**SSP-OS-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 18-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	82	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB112)	EPA 8270E	% Recovery	92	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB198)	EPA 8270E	% Recovery	106	1			Total		O-49056	09-Jan-25	15-Jan-25
(TCMX)	EPA 8270E	% Recovery	50	1			Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	16.5	1	0.267	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	30.1	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	15-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49056	09-Jan-25	15-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	15-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	16-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119169-R1	**WSP-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 18-Aug-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	72	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB112)	EPA 8270E	% Recovery	123	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB198)	EPA 8270E	% Recovery	107	1			Total		O-49056	09-Jan-25	15-Jan-25
(TCMX)	EPA 8270E	% Recovery	72	1			Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	21.9	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	15-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49056	09-Jan-25	15-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	15-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	16-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119170-R1	**WSP-OS-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 18-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	86	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB112)	EPA 8270E	% Recovery	121	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB198)	EPA 8270E	% Recovery	91	1			Total		O-49056	09-Jan-25	15-Jan-25
(TCMX)	EPA 8270E	% Recovery	70	1			Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	38.3	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	15-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49056	09-Jan-25	15-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	78.7	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	15-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	16-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119171-R1	**WSB-OS-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 07-Sep-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	74	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB112)	EPA 8270E	% Recovery	117	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB198)	EPA 8270E	% Recovery	108	1			Total		O-49056	09-Jan-25	15-Jan-25
(TCMX)	EPA 8270E	% Recovery	82	1			Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	28.1	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	15-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	1.01	1	0.192	0.5	Total		O-49056	09-Jan-25	15-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	97.4	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	15-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	16-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119172-R1	**KB-OS-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 07-Sep-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	79	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB112)	EPA 8270E	% Recovery	102	1			Total		O-49056	09-Jan-25	15-Jan-25
(PCB198)	EPA 8270E	% Recovery	92	1			Total		O-49056	09-Jan-25	15-Jan-25
(TCMX)	EPA 8270E	% Recovery	74	1			Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49056	09-Jan-25	15-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	4.51	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49056	09-Jan-25	15-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49056	09-Jan-25	15-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49056	09-Jan-25	15-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49056	09-Jan-25	15-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49056	09-Jan-25	16-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49056	09-Jan-25	15-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119173-R1	**KB-OS-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 07-Sep-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	68	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB112)	EPA 8270E	% Recovery	109	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB198)	EPA 8270E	% Recovery	83	1			Total		O-49058	12-Jan-25	16-Jan-25
(TCMX)	EPA 8270E	% Recovery	63	1			Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	65.5	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.521	1	0.187	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49058	12-Jan-25	16-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	2.38	1	0.192	0.5	Total		O-49058	12-Jan-25	16-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	0.828	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	16-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	3.85	1	0.186	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119174-R1	**SSB-MB-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	74	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB112)	EPA 8270E	% Recovery	108	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB198)	EPA 8270E	% Recovery	91	1			Total		O-49058	12-Jan-25	16-Jan-25
(TCMX)	EPA 8270E	% Recovery	65	1			Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	9.42	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.249	1	0.187	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49058	12-Jan-25	16-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	1.02	1	0.192	0.5	Total		O-49058	12-Jan-25	16-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	0.394	1	0.25	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	16-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	1.55	1	0.186	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119175-R1	**SSB-MB-C1-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	72	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB112)	EPA 8270E	% Recovery	109	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB198)	EPA 8270E	% Recovery	85	1			Total		O-49058	12-Jan-25	16-Jan-25
(TCMX)	EPA 8270E	% Recovery	64	1			Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	3.67	1	0.267	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	2.31	1	0.198	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	38.1	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.649	1	0.187	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49058	12-Jan-25	16-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	4.1	1	0.192	0.5	Total		O-49058	12-Jan-25	16-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	1.13	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	16-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	5.97	1	0.186	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119176-R1	**SSB-MB-C2-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**12-Feb-24**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	70	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB112)	EPA 8270E	% Recovery	102	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB198)	EPA 8270E	% Recovery	81	1			Total		O-49058	12-Jan-25	16-Jan-25
(TCMX)	EPA 8270E	% Recovery	63	1			Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	1.66	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49058	12-Jan-25	16-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.374	1	0.192	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	0.636	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	16-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.565	1	0.186	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119177-R1	**SSB-MB-C2-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**12-Feb-24**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	69	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB112)	EPA 8270E	% Recovery	112	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB198)	EPA 8270E	% Recovery	83	1			Total		O-49058	12-Jan-25	16-Jan-25
(TCMX)	EPA 8270E	% Recovery	60	1			Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	4.8	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.365	1	0.187	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49058	12-Jan-25	16-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.989	1	0.192	0.5	Total		O-49058	12-Jan-25	16-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	0.493	1	0.25	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	16-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	2.91	1	0.186	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119178-R1	**SSB-MB-C3-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 23-Feb-24**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	67	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB112)	EPA 8270E	% Recovery	103	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB198)	EPA 8270E	% Recovery	86	1			Total		O-49058	12-Jan-25	16-Jan-25
(TCMX)	EPA 8270E	% Recovery	58	1			Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	1.23	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	0.528	1	0.179	0.5	Total		O-49058	12-Jan-25	16-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.625	1	0.192	0.5	Total		O-49058	12-Jan-25	16-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	0.493	1	0.25	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	16-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.994	1	0.186	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119179-R1	**SSB-MB-C3-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 23-Feb-24**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	66	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB112)	EPA 8270E	% Recovery	99	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB198)	EPA 8270E	% Recovery	112	1			Total		O-49058	12-Jan-25	16-Jan-25
(TCMX)	EPA 8270E	% Recovery	57	1			Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	47.2	1	0.128	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49058	12-Jan-25	16-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	5.17	1	0.192	0.5	Total		O-49058	12-Jan-25	16-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	1.82	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	16-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	10.2	1	0.186	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119180-R1	**SSP-MB-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	74	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	106	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	86	1			Total		O-49058	12-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	64	1			Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	2.22	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.502	1	0.187	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49058	12-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.291	1	0.192	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.933	1	0.186	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119181-R1	**WSP-MB-HH Carcass**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	75	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB112)	EPA 8270E	% Recovery	115	1			Total		O-49058	12-Jan-25	16-Jan-25
(PCB198)	EPA 8270E	% Recovery	87	1			Total		O-49058	12-Jan-25	16-Jan-25
(TCMX)	EPA 8270E	% Recovery	69	1			Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	16-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	12.4	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	16-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	2.94	1	0.187	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49058	12-Jan-25	16-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	2.48	1	0.192	0.5	Total		O-49058	12-Jan-25	16-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	1.84	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	16-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	4.49	1	0.186	0.5	Total		O-49058	12-Jan-25	16-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119182-R1	**WSP-MB-ER Offal**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	73	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	115	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	88	1			Total		O-49058	12-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	63	1			Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	12.8	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	7.88	1	0.128	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	2.29	1	0.187	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49058	12-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	2.62	1	0.192	0.5	Total		O-49058	12-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	1.14	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	3.92	1	0.186	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119183-R1	**CAH-MB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	70	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	105	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	87	1			Total		O-49058	12-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	61	1			Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	4.04	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.436	1	0.187	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49058	12-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.982	1	0.192	0.5	Total		O-49058	12-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	1.35	1	0.186	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119184-R1	**BSB-MB-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	62	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	97	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	75	1			Total		O-49058	12-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	55	1			Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	3.12	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.796	1	0.187	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49058	12-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	2.06	1	0.192	0.5	Total		O-49058	12-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	2.16	1	0.186	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119185-R1	**KB-MB-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received: 17-Jun-24**	
(PCB030)	EPA 8270E	% Recovery	72	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	110	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	93	1			Total		O-49058	12-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	63	1			Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	2.45	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.217	1	0.187	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	0.186	1	0.179	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.754	1	0.192	0.5	Total		O-49058	12-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	0.772	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.981	1	0.186	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119186-R1	**RR-MB-HH Wings Only**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	74	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	110	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	94	1			Total		O-49058	12-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	65	1			Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	0.257	1	0.193	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.521	1	0.187	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	0.298	1	0.179	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.282	1	0.192	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	6.08	1	0.1	0.2	Total	E	O-49058	12-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	0.458	1	0.25	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.24	1	0.186	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119187-R1	**TS-MB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**12-Feb-24**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	73	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	107	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	99	1			Total		O-49058	12-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	66	1			Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	8.12	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.613	1	0.187	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	0.499	1	0.179	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	1.18	1	0.192	0.5	Total		O-49058	12-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	5.28	1	0.1	0.2	Total	E	O-49058	12-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	0.573	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	1.54	1	0.186	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119188-R1	**TS-MB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 12-Feb-24**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	72	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	105	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	95	1			Total		O-49058	12-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	62	1			Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	6.93	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	1.7	1	0.187	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	1.04	1	0.179	0.5	Total		O-49058	12-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	1.86	1	0.192	0.5	Total		O-49058	12-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	0.824	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	3.19	1	0.186	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119189-R1	**TS-MB-C3-HH Carcass**		**Matrix: Tissue**				**Sampled: 23-Feb-24**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	74	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	107	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	95	1			Total		O-49058	12-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	64	1			Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	9.59	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	1.63	1	0.187	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	0.86	1	0.179	0.5	Total		O-49058	12-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	1.48	1	0.192	0.5	Total		O-49058	12-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	3.43	1	0.186	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119190-R1	**TS-MB-C4-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 23-Feb-24**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	74	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	105	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	93	1			Total		O-49058	12-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	65	1			Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	1.16	1	0.198	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	6.41	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	2.13	1	0.187	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	1.37	1	0.179	0.5	Total		O-49058	12-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	1.75	1	0.192	0.5	Total		O-49058	12-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	4.81	1	0.186	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119191-R1	**PCM-NSDB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	69	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	109	1			Total		O-49058	12-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	88	1			Total		O-49058	12-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	61	1			Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	1.41	1	0.198	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	8.7	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.281	1	0.187	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	0.437	1	0.179	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.451	1	0.192	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	0.643	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.711	1	0.186	0.5	Total		O-49058	12-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119192-R1	**PCM-NSDB-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	69	1			Total		O-49058	12-Jan-25	18-Jan-25
(PCB112)	EPA 8270E	% Recovery	110	1			Total		O-49058	12-Jan-25	18-Jan-25
(PCB198)	EPA 8270E	% Recovery	88	1			Total		O-49058	12-Jan-25	18-Jan-25
(TCMX)	EPA 8270E	% Recovery	60	1			Total		O-49058	12-Jan-25	18-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49058	12-Jan-25	18-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49058	12-Jan-25	18-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49058	12-Jan-25	18-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49058	12-Jan-25	18-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	28	1	0.193	0.5	Total		O-49058	12-Jan-25	18-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49058	12-Jan-25	18-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49058	12-Jan-25	18-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.805	1	0.187	0.5	Total		O-49058	12-Jan-25	18-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	0.4	1	0.179	0.5	Total	J	O-49058	12-Jan-25	18-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	1.15	1	0.192	0.5	Total		O-49058	12-Jan-25	18-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49058	12-Jan-25	18-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49058	12-Jan-25	18-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49058	10-Jan-25	18-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	1.97	1	0.186	0.5	Total		O-49058	12-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119193-R1	**SSB-NSDB-C1-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	66	1			Total		O-49060	13-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	111	1			Total		O-49060	13-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	91	1			Total		O-49060	13-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	63	1			Total		O-49060	13-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49060	13-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49060	13-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	0.224	1	0.194	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	0.845	1	0.193	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.276	1	0.192	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	19-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49060	13-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119194-R1	**SSB-NSDB-C1-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	74	1			Total		O-49060	13-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	130	1			Total		O-49060	13-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	95	1			Total		O-49060	13-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	72	1			Total		O-49060	13-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49060	13-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49060	13-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	5.1	1	0.193	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	14.6	1	0.128	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.907	1	0.192	0.5	Total		O-49060	13-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	8.06	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	2.7	1	0.186	0.5	Total		O-49060	13-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119195-R1	**SSB-NSDB-C2-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
(PCB030)	EPA 8270E	% Recovery	70	1			Total		O-49060	13-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	114	1			Total		O-49060	13-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	101	1			Total		O-49060	13-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	66	1			Total		O-49060	13-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49060	13-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49060	13-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	1.54	1	0.193	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49060	13-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.253	1	0.186	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119196-R1	**SSB-NSDB-C2-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	72	1			Total		O-49060	13-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	124	1			Total		O-49060	13-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	92	1			Total		O-49060	13-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	68	1			Total		O-49060	13-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49060	13-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49060	13-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	2.51	1	0.198	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	7.04	1	0.193	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	7.13	1	0.128	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	1.27	1	0.192	0.5	Total		O-49060	13-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	1.8	1	0.186	0.5	Total		O-49060	13-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119197-R1	**SSB-NSDB-C3-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	73	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB112)	EPA 8270E	% Recovery	123	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB198)	EPA 8270E	% Recovery	108	1			Total		O-49060	13-Jan-25	18-Jan-25
(TCMX)	EPA 8270E	% Recovery	67	1			Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	0.242	1	0.194	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	0.969	1	0.198	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	2.88	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	18-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49060	13-Jan-25	18-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	18-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.309	1	0.186	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119198-R1	**SSB-NSDB-C3-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	75	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB112)	EPA 8270E	% Recovery	128	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB198)	EPA 8270E	% Recovery	100	1			Total		O-49060	13-Jan-25	18-Jan-25
(TCMX)	EPA 8270E	% Recovery	69	1			Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	3.54	1	0.198	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	14.9	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	13.4	1	0.128	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	18-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.767	1	0.192	0.5	Total		O-49060	13-Jan-25	18-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	18-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	2.04	1	0.186	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119199-R1	**JS-NSDB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	80	1			Total		O-49060	13-Jan-25	17-Jan-25
(PCB112)	EPA 8270E	% Recovery	137	1			Total	M	O-49060	13-Jan-25	17-Jan-25
(PCB198)	EPA 8270E	% Recovery	91	1			Total		O-49060	13-Jan-25	17-Jan-25
(TCMX)	EPA 8270E	% Recovery	82	1			Total		O-49060	13-Jan-25	17-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49060	13-Jan-25	17-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49060	13-Jan-25	17-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	2.16	1	0.198	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	20.9	1	0.193	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	17-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	3.3	1	0.128	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	17-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49060	13-Jan-25	17-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	17-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	17-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	19-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.395	1	0.186	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119200-R1	**JS-NSDB-C1-ER Offal**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	74	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB112)	EPA 8270E	% Recovery	108	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB198)	EPA 8270E	% Recovery	64	1			Total		O-49060	13-Jan-25	18-Jan-25
(TCMX)	EPA 8270E	% Recovery	70	1			Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	86.6	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	132	1	0.128	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.666	1	0.187	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	18-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.726	1	0.192	0.5	Total		O-49060	13-Jan-25	18-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	18-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	2.54	1	0.186	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119201-R1	**JS-NSDB-C2-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	73	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB112)	EPA 8270E	% Recovery	129	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB198)	EPA 8270E	% Recovery	101	1			Total		O-49060	13-Jan-25	18-Jan-25
(TCMX)	EPA 8270E	% Recovery	71	1			Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	0.538	1	0.2	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	2.27	1	0.198	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	23	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	3.16	1	0.128	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.251	1	0.187	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	18-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.241	1	0.192	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	18-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	1.27	1	0.186	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119202-R1	**TS-NSDB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	61	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB112)	EPA 8270E	% Recovery	106	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB198)	EPA 8270E	% Recovery	81	1			Total		O-49060	13-Jan-25	18-Jan-25
(TCMX)	EPA 8270E	% Recovery	58	1			Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	0.48	1	0.2	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	15.8	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	7.41	1	0.128	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.431	1	0.187	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	18-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.382	1	0.192	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	18-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	1	1	0.186	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119203-R1	**TS-NSDB-C1-ER Offal**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	75	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB112)	EPA 8270E	% Recovery	126	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB198)	EPA 8270E	% Recovery	73	1			Total		O-49060	13-Jan-25	18-Jan-25
(TCMX)	EPA 8270E	% Recovery	78	1			Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	3.7	1	0.2	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	14.7	1	0.198	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	165	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	31.2	1	0.128	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	5.47	1	0.187	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	18-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	5.85	1	0.192	0.5	Total		O-49060	13-Jan-25	18-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	18-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	14.9	1	0.186	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119204-R1	**TS-NSDB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 15-Sep-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	74	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB112)	EPA 8270E	% Recovery	104	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB198)	EPA 8270E	% Recovery	71	1			Total		O-49060	13-Jan-25	18-Jan-25
(TCMX)	EPA 8270E	% Recovery	71	1			Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	0.663	1	0.2	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	3.95	1	0.198	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	20.8	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.683	1	0.187	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	18-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	1.03	1	0.192	0.5	Total		O-49060	13-Jan-25	18-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	18-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	1.86	1	0.186	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119205-R1	**CAH-NSDB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	72	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB112)	EPA 8270E	% Recovery	124	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB198)	EPA 8270E	% Recovery	102	1			Total		O-49060	13-Jan-25	18-Jan-25
(TCMX)	EPA 8270E	% Recovery	66	1			Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	1.18	1	0.267	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	2.35	1	0.198	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	4.7	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	18-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49060	13-Jan-25	18-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
Dieldrin	EPA 8270E	ng/wet g	1.48	1	0.1	0.2	Total	E	O-49060	13-Jan-25	18-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	18-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119206-R1	**QF-NSDB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	64	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB112)	EPA 8270E	% Recovery	113	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB198)	EPA 8270E	% Recovery	90	1			Total		O-49060	13-Jan-25	18-Jan-25
(TCMX)	EPA 8270E	% Recovery	61	1			Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	5.22	1	0.267	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	5.09	1	0.198	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	10.7	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.608	1	0.187	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	18-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.549	1	0.192	0.5	Total		O-49060	13-Jan-25	18-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	18-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.887	1	0.186	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119207-R1	**BSB-NSDB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	70	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB112)	EPA 8270E	% Recovery	120	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB198)	EPA 8270E	% Recovery	83	1			Total		O-49060	13-Jan-25	18-Jan-25
(TCMX)	EPA 8270E	% Recovery	67	1			Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	2.91	1	0.267	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	2.77	1	0.198	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	6.48	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	18-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.892	1	0.192	0.5	Total		O-49060	13-Jan-25	18-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	7.16	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	18-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.938	1	0.186	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119208-R1	**SSP-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	68	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB112)	EPA 8270E	% Recovery	119	1			Total		O-49060	13-Jan-25	18-Jan-25
(PCB198)	EPA 8270E	% Recovery	100	1			Total		O-49060	13-Jan-25	18-Jan-25
(TCMX)	EPA 8270E	% Recovery	66	1			Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49060	13-Jan-25	18-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	0.293	1	0.2	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	1.95	1	0.198	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	6.28	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	18-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	6.84	1	0.128	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.706	1	0.187	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	18-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	1.46	1	0.192	0.5	Total		O-49060	13-Jan-25	18-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	18-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	1.53	1	0.186	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119209-R1	**SSP-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	69	1			Total		O-49060	13-Jan-25	19-Jan-25
(PCB112)	EPA 8270E	% Recovery	122	1			Total		O-49060	13-Jan-25	19-Jan-25
(PCB198)	EPA 8270E	% Recovery	94	1			Total		O-49060	13-Jan-25	19-Jan-25
(TCMX)	EPA 8270E	% Recovery	65	1			Total		O-49060	13-Jan-25	19-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49060	13-Jan-25	19-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49060	13-Jan-25	19-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	19-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	2.44	1	0.198	0.5	Total		O-49060	13-Jan-25	19-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	7.18	1	0.193	0.5	Total		O-49060	13-Jan-25	19-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	19-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	6.11	1	0.128	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	19-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	1.21	1	0.192	0.5	Total		O-49060	13-Jan-25	19-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	19-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	3.54	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	19-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	1.92	1	0.186	0.5	Total		O-49060	13-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119210-R1	**YFC-SSDB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	73	1			Total		O-49060	13-Jan-25	19-Jan-25
(PCB112)	EPA 8270E	% Recovery	130	1			Total		O-49060	13-Jan-25	19-Jan-25
(PCB198)	EPA 8270E	% Recovery	111	1			Total		O-49060	13-Jan-25	19-Jan-25
(TCMX)	EPA 8270E	% Recovery	69	1			Total		O-49060	13-Jan-25	19-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	3.19	1	0.267	0.5	Total		O-49060	13-Jan-25	19-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49060	13-Jan-25	19-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49060	13-Jan-25	19-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49060	13-Jan-25	19-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	3.68	1	0.193	0.5	Total		O-49060	13-Jan-25	19-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	19-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	19-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49060	13-Jan-25	19-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	19-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	1.1	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	19-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.231	1	0.186	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119211-R1	**BC-SSDB-C1-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	71	1			Total		O-49060	13-Jan-25	19-Jan-25
(PCB112)	EPA 8270E	% Recovery	122	1			Total		O-49060	13-Jan-25	19-Jan-25
(PCB198)	EPA 8270E	% Recovery	104	1			Total		O-49060	13-Jan-25	19-Jan-25
(TCMX)	EPA 8270E	% Recovery	65	1			Total		O-49060	13-Jan-25	19-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	1.61	1	0.267	0.5	Total		O-49060	13-Jan-25	19-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49060	13-Jan-25	19-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	0.306	1	0.194	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49060	13-Jan-25	19-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	1.02	1	0.193	0.5	Total		O-49060	13-Jan-25	19-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	19-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49060	13-Jan-25	19-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.195	1	0.192	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Dieldrin	EPA 8270E	ng/wet g	3.53	1	0.1	0.2	Total	E	O-49060	13-Jan-25	19-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	19-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49060	13-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119212-R1	**BC-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	70	1			Total		O-49060	13-Jan-25	19-Jan-25
(PCB112)	EPA 8270E	% Recovery	134	1			Total	M	O-49060	13-Jan-25	19-Jan-25
(PCB198)	EPA 8270E	% Recovery	101	1			Total		O-49060	13-Jan-25	19-Jan-25
(TCMX)	EPA 8270E	% Recovery	66	1			Total		O-49060	13-Jan-25	19-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	16.8	1	0.267	0.5	Total		O-49060	13-Jan-25	19-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49060	13-Jan-25	19-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	0.942	1	0.194	0.5	Total		O-49060	13-Jan-25	19-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	2.18	1	0.198	0.5	Total		O-49060	13-Jan-25	19-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	5.41	1	0.193	0.5	Total		O-49060	13-Jan-25	19-Jan-25
4,4'-DDMU	EPA 8270E	ng/dry g	ND	1	0.193	0.5	Total		O-49060	13-Jan-25	19-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	2.74	1	0.128	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.405	1	0.187	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	0.43	1	0.179	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	1.09	1	0.192	0.5	Total		O-49060	13-Jan-25	19-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Dicofol	EPA 8270E	ng/dry g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49060	13-Jan-25	19-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49060	13-Jan-25	19-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49060	13-Jan-25	20-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	1.41	1	0.186	0.5	Total		O-49060	13-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119213-R1	**SSB-SSDB-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	68	1			Total		O-49062	14-Jan-25	19-Jan-25
(PCB112)	EPA 8270E	% Recovery	104	1			Total		O-49062	14-Jan-25	19-Jan-25
(PCB198)	EPA 8270E	% Recovery	68	1			Total		O-49062	14-Jan-25	19-Jan-25
(TCMX)	EPA 8270E	% Recovery	66	1			Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	1.39	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49062	14-Jan-25	19-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49062	14-Jan-25	19-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49062	14-Jan-25	19-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49062	14-Jan-25	21-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	0.45	1	0.186	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25

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Client: WSP USA
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Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119214-R1	**SSB-SSDB-C1-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	100	1			Total		O-49062	14-Jan-25	19-Jan-25
(PCB112)	EPA 8270E	% Recovery	96	1			Total		O-49062	14-Jan-25	19-Jan-25
(PCB198)	EPA 8270E	% Recovery	68	1			Total		O-49062	14-Jan-25	19-Jan-25
(TCMX)	EPA 8270E	% Recovery	119	1			Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	2.47	1	0.267	0.5	Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	10.1	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49062	14-Jan-25	19-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	2.74	1	0.192	0.5	Total		O-49062	14-Jan-25	19-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49062	14-Jan-25	19-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49062	14-Jan-25	21-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	4.95	1	0.186	0.5	Total		O-49062	14-Jan-25	19-Jan-25

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Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119215-R1	**SSB-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	120	1			Total		O-49062	14-Jan-25	19-Jan-25
(PCB112)	EPA 8270E	% Recovery	88	1			Total		O-49062	14-Jan-25	19-Jan-25
(PCB198)	EPA 8270E	% Recovery	88	1			Total		O-49062	14-Jan-25	19-Jan-25
(TCMX)	EPA 8270E	% Recovery	89	1			Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	6.2	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	1.49	1	0.187	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49062	14-Jan-25	19-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.652	1	0.192	0.5	Total		O-49062	14-Jan-25	19-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49062	14-Jan-25	19-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49062	14-Jan-25	21-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	2.3	1	0.186	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119216-R1	**SSB-SSDB-C3-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled:**	**29-Jan-24**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	79	1			Total		O-49062	14-Jan-25	19-Jan-25
(PCB112)	EPA 8270E	% Recovery	97	1			Total		O-49062	14-Jan-25	19-Jan-25
(PCB198)	EPA 8270E	% Recovery	70	1			Total		O-49062	14-Jan-25	19-Jan-25
(TCMX)	EPA 8270E	% Recovery	81	1			Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	0.375	1	0.267	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	1.06	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49062	14-Jan-25	19-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49062	14-Jan-25	19-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49062	14-Jan-25	19-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49062	14-Jan-25	21-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49062	14-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119217-R1	**SSB-SSDB-C3-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled:**	**29-Jan-24**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	129	1			Total	M	O-49062	14-Jan-25	19-Jan-25
(PCB112)	EPA 8270E	% Recovery	85	1			Total		O-49062	14-Jan-25	19-Jan-25
(PCB198)	EPA 8270E	% Recovery	84	1			Total		O-49062	14-Jan-25	19-Jan-25
(TCMX)	EPA 8270E	% Recovery	72	1			Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	6.16	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49062	14-Jan-25	19-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49062	14-Jan-25	19-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49062	14-Jan-25	19-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49062	14-Jan-25	21-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	3.56	1	0.186	0.5	Total		O-49062	14-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119218-R1	**BSB-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	92	1			Total		O-49062	14-Jan-25	19-Jan-25
(PCB112)	EPA 8270E	% Recovery	74	1			Total		O-49062	14-Jan-25	19-Jan-25
(PCB198)	EPA 8270E	% Recovery	90	1			Total		O-49062	14-Jan-25	19-Jan-25
(TCMX)	EPA 8270E	% Recovery	72	1			Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	8.63	1	0.267	0.5	Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	5.55	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49062	14-Jan-25	19-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	1.09	1	0.192	0.5	Total		O-49062	14-Jan-25	19-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49062	14-Jan-25	19-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49062	14-Jan-25	21-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	2.93	1	0.186	0.5	Total		O-49062	14-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119219-R1	**BSB-SSDB-C2-ER Whole Fish**	**Matrix: Tissue**					**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	128	1			Total	M	O-49062	14-Jan-25	19-Jan-25
(PCB112)	EPA 8270E	% Recovery	70	1			Total		O-49062	14-Jan-25	19-Jan-25
(PCB198)	EPA 8270E	% Recovery	68	1			Total		O-49062	14-Jan-25	19-Jan-25
(TCMX)	EPA 8270E	% Recovery	72	1			Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	6.13	1	0.267	0.5	Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	6.97	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49062	14-Jan-25	19-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49062	14-Jan-25	19-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49062	14-Jan-25	19-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49062	14-Jan-25	21-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	2.78	1	0.186	0.5	Total		O-49062	14-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119220-R1	**PB-SSDB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**29-Jan-24**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	118	1			Total		O-49062	14-Jan-25	19-Jan-25
(PCB112)	EPA 8270E	% Recovery	80	1			Total		O-49062	14-Jan-25	19-Jan-25
(PCB198)	EPA 8270E	% Recovery	72	1			Total		O-49062	14-Jan-25	19-Jan-25
(TCMX)	EPA 8270E	% Recovery	70	1			Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49062	14-Jan-25	19-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	2.75	1	0.198	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	19	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	19-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.529	1	0.187	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49062	14-Jan-25	19-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49062	14-Jan-25	19-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49062	14-Jan-25	19-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49062	14-Jan-25	21-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	2.53	1	0.186	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119221-R1	**TS-SSDB-HH Carcass**		**Matrix: Tissue**				**Sampled: 29-Jan-24**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	116	1			Total		O-49062	14-Jan-25	20-Jan-25
(PCB112)	EPA 8270E	% Recovery	90	1			Total		O-49062	14-Jan-25	20-Jan-25
(PCB198)	EPA 8270E	% Recovery	92	1			Total		O-49062	14-Jan-25	20-Jan-25
(TCMX)	EPA 8270E	% Recovery	73	1			Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	2.47	1	0.198	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	10.5	1	0.193	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.502	1	0.187	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49062	14-Jan-25	20-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49062	14-Jan-25	20-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49062	14-Jan-25	20-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49062	14-Jan-25	21-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49062	14-Jan-25	20-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119222-R1	**TS-SSDB-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 29-Jan-24**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	112	1			Total		O-49062	14-Jan-25	20-Jan-25
(PCB112)	EPA 8270E	% Recovery	101	1			Total		O-49062	14-Jan-25	20-Jan-25
(PCB198)	EPA 8270E	% Recovery	74	1			Total		O-49062	14-Jan-25	20-Jan-25
(TCMX)	EPA 8270E	% Recovery	67	1			Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	11.8	1	0.193	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49062	14-Jan-25	20-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49062	14-Jan-25	20-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49062	14-Jan-25	20-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49062	14-Jan-25	21-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	2.2	1	0.186	0.5	Total		O-49062	14-Jan-25	20-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119223-R1	**RR-SSDB-HH Wings Only**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	89	1			Total		O-49062	14-Jan-25	20-Jan-25
(PCB112)	EPA 8270E	% Recovery	100	1			Total		O-49062	14-Jan-25	20-Jan-25
(PCB198)	EPA 8270E	% Recovery	89	1			Total		O-49062	14-Jan-25	20-Jan-25
(TCMX)	EPA 8270E	% Recovery	64	1			Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49062	14-Jan-25	20-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49062	14-Jan-25	20-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49062	14-Jan-25	20-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49062	14-Jan-25	21-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49062	14-Jan-25	20-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119224-R1	**SA-SSDB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	126	1			Total	M	O-49062	14-Jan-25	20-Jan-25
(PCB112)	EPA 8270E	% Recovery	89	1			Total		O-49062	14-Jan-25	20-Jan-25
(PCB198)	EPA 8270E	% Recovery	105	1			Total		O-49062	14-Jan-25	20-Jan-25
(TCMX)	EPA 8270E	% Recovery	62	1			Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	4.99	1	0.267	0.5	Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	8.56	1	0.193	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	ND	1	0.187	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49062	14-Jan-25	20-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.706	1	0.192	0.5	Total		O-49062	14-Jan-25	20-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49062	14-Jan-25	20-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49062	14-Jan-25	21-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49062	14-Jan-25	20-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119225-R1	**SA-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received: 17-Jun-24**	
(PCB030)	EPA 8270E	% Recovery	112	1			Total		O-49062	14-Jan-25	20-Jan-25
(PCB112)	EPA 8270E	% Recovery	102	1			Total		O-49062	14-Jan-25	20-Jan-25
(PCB198)	EPA 8270E	% Recovery	88	1			Total		O-49062	14-Jan-25	20-Jan-25
(TCMX)	EPA 8270E	% Recovery	64	1			Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	10.7	1	0.193	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	2.38	1	0.187	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49062	14-Jan-25	20-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49062	14-Jan-25	20-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49062	14-Jan-25	20-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49062	14-Jan-25	21-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	1.96	1	0.186	0.5	Total		O-49062	14-Jan-25	20-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119226-R1	**SA-SSDB-C3-HH Carcass**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	94	1			Total		O-49062	14-Jan-25	20-Jan-25
(PCB112)	EPA 8270E	% Recovery	86	1			Total		O-49062	14-Jan-25	20-Jan-25
(PCB198)	EPA 8270E	% Recovery	81	1			Total		O-49062	14-Jan-25	20-Jan-25
(TCMX)	EPA 8270E	% Recovery	94	1			Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	8.62	1	0.193	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	0.713	1	0.187	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49062	14-Jan-25	20-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	0.625	1	0.192	0.5	Total		O-49062	14-Jan-25	20-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49062	14-Jan-25	20-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49062	14-Jan-25	21-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49062	14-Jan-25	20-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119227-R1	**SA-SSDB-C4-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
(PCB030)	EPA 8270E	% Recovery	80	1			Total		O-49062	14-Jan-25	20-Jan-25
(PCB112)	EPA 8270E	% Recovery	91	1			Total		O-49062	14-Jan-25	20-Jan-25
(PCB198)	EPA 8270E	% Recovery	82	1			Total		O-49062	14-Jan-25	20-Jan-25
(TCMX)	EPA 8270E	% Recovery	76	1			Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.267	0.5	Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDE	EPA 8270E	ng/wet g	ND	1	0.2	0.5	Total		O-49062	14-Jan-25	20-Jan-25
2,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.194	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDD	EPA 8270E	ng/wet g	ND	1	0.198	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDE	EPA 8270E	ng/wet g	5.62	1	0.193	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDMU	EPA 8270E	ng/wet g	ND	1	0.193	0.5	Total		O-49062	14-Jan-25	20-Jan-25
4,4'-DDT	EPA 8270E	ng/wet g	ND	1	0.128	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Aldrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-alpha	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-beta	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
BHC-gamma	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Chlordane-alpha	EPA 8270E	ng/wet g	1.03	1	0.187	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Chlordane-gamma	EPA 8270E	ng/wet g	ND	1	0.179	0.5	Total		O-49062	14-Jan-25	20-Jan-25
cis-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.192	0.5	Total		O-49062	14-Jan-25	20-Jan-25
DCPA (Dachthal)	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Dicofol	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Dieldrin	EPA 8270E	ng/wet g	ND	1	0.1	0.2	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan Sulfate	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan-I	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endosulfan-II	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25

Chlorinated Pesticides

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Endrin	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endrin Aldehyde	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Endrin Ketone	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Heptachlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Heptachlor Epoxide	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Methoxychlor	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Mirex	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Oxychlordane	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
Perthane	EPA 8270E	ng/wet g	ND	1	5	10	Total		O-49062	14-Jan-25	20-Jan-25
Toxaphene	EPA 8270E-NCI	ng/wet g	ND	1	10	20	Total		O-49062	14-Jan-25	21-Jan-25
trans-Nonachlor	EPA 8270E	ng/wet g	ND	1	0.186	0.5	Total		O-49062	14-Jan-25	20-Jan-25

Conventionals

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119153-R1	**TS-DP-C1-HH Carcass**		**Matrix: Tissue**					**Sampled: 06-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	26.1	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119154-R1	**TS-DP-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 06-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	26.2	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119155-R1	**SSP-DP-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 17-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	22.7	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119156-R1	**WSP-DP-C1-HH Carcass**		**Matrix: Tissue**					**Sampled: 17-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	25.4	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119157-R1	**WSP-DP-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 17-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	22.6	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119158-R1	**CA-DP-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 06-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	20.9	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119159-R1	**BSB-DP-HH Skin-off Filtets**		**Matrix: Tissue**					**Sampled: 06-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	21.7	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119160-R1	**BSB-DP-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 06-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	34.4	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119161-R1	**SSB-OS-C1-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	20	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119162-R1	**SSB-OS-C1-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	24.2	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119163-R1	**SSB-OS-C2-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	18.9	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24

Conventionals

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119164-R1	**SSB-OS-C2-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	22.9	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119165-R1	**TS-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	25.2	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119166-R1	**TS-OS-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	21.7	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119167-R1	**SSP-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**18-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	24.2	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119168-R1	**SSP-OS-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**18-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	24.3	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119169-R1	**WSP-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**18-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	28.8	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119170-R1	**WSP-OS-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**18-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	29.3	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119171-R1	**WSB-OS-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	24.3	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119172-R1	**KB-OS-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	20.5	1	0.1	0.1	NA		E-78073	31-Jul-24	01-Aug-24
Sample ID: 119173-R1	**KB-OS-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	26.6	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119174-R1	**SSB-MB-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	19.3	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Conventionals

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119175-R1	**SSB-MB-C1-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	21.8	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119176-R1	**SSB-MB-C2-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**12-Feb-24**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	21	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119177-R1	**SSB-MB-C2-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**12-Feb-24**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	24.8	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119178-R1	**SSB-MB-C3-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**23-Feb-24**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	20.9	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119179-R1	**SSB-MB-C3-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**23-Feb-24**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	24.6	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119180-R1	**SSP-MB-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	21.1	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119181-R1	**WSP-MB-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	26.3	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119182-R1	**WSP-MB-ER Offal**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	35.8	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119183-R1	**CAH-MB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	21.2	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119184-R1	**BSB-MB-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	26.1	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119185-R1	**KB-MB-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	24.8	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24

Conventionals

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119186-R1	**RR-MB-HH Wings Only**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received: 17-Jun-24**	
Percent Solids	SM 2540 B	%	19.9	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119187-R1	**TS-MB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 12-Feb-24**			**Received: 17-Jun-24**	
Percent Solids	SM 2540 B	%	24.4	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119188-R1	**TS-MB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 12-Feb-24**			**Received: 17-Jun-24**	
Percent Solids	SM 2540 B	%	24.3	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119189-R1	**TS-MB-C3-HH Carcass**		**Matrix: Tissue**				**Sampled: 23-Feb-24**			**Received: 17-Jun-24**	
Percent Solids	SM 2540 B	%	24.9	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119190-R1	**TS-MB-C4-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 23-Feb-24**			**Received: 17-Jun-24**	
Percent Solids	SM 2540 B	%	22.9	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119191-R1	**PCM-NSDB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 15-Sep-23**			**Received: 17-Jun-24**	
Percent Solids	SM 2540 B	%	28.1	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119192-R1	**PCM-NSDB-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 15-Sep-23**			**Received: 17-Jun-24**	
Percent Solids	SM 2540 B	%	30.9	1	0.1	0.1	NA		E-78075	31-Jul-24	01-Aug-24
Sample ID: 119193-R1	**SSB-NSDB-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
Percent Solids	SM 2540 B	%	19.9	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119194-R1	**SSB-NSDB-C1-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
Percent Solids	SM 2540 B	%	25.9	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119195-R1	**SSB-NSDB-C2-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
Percent Solids	SM 2540 B	%	19.5	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119196-R1	**SSB-NSDB-C2-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
Percent Solids	SM 2540 B	%	25.2	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25

Conventionals

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119197-R1	**SSB-NSDB-C3-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	21	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119198-R1	**SSB-NSDB-C3-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	25.2	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119199-R1	**JS-NSDB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	29.4	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119200-R1	**JS-NSDB-C1-ER Offal**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	43.6	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119201-R1	**JS-NSDB-C2-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	24	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119202-R1	**TS-NSDB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	28.6	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119203-R1	**TS-NSDB-C1-ER Offal**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	47.2	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119204-R1	**TS-NSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	29.8	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119205-R1	**CAH-NSDB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	20.9	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119206-R1	**QF-NSDB-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	21.9	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119207-R1	**BSB-NSDB-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	25.1	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25

Conventionals

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119208-R1	**SSP-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	21.5	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119209-R1	**SSP-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	22.3	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119210-R1	**YFC-SSDB-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	21.9	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119211-R1	**BC-SSDB-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	20.5	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119212-R1	**BC-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	24.6	1	0.1	0.1	NA		C-78137	13-Jan-25	14-Jan-25
Sample ID: 119213-R1	**SSB-SSDB-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	20.3	1	0.1	0.1	NA		C-78138	14-Jan-25	15-Jan-25
Sample ID: 119214-R1	**SSB-SSDB-C1-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	22.6	1	0.1	0.1	NA		C-78138	14-Jan-25	15-Jan-25
Sample ID: 119215-R1	**SSB-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	24	1	0.1	0.1	NA		C-78138	14-Jan-25	15-Jan-25
Sample ID: 119216-R1	**SSB-SSDB-C3-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 29-Jan-24**			**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	19	1	0.1	0.1	NA		C-78138	14-Jan-25	15-Jan-25
Sample ID: 119217-R1	**SSB-SSDB-C3-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 29-Jan-24**			**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	22.9	1	0.1	0.1	NA		C-78138	14-Jan-25	15-Jan-25
Sample ID: 119218-R1	**BSB-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	25.3	1	0.1	0.1	NA		C-78138	14-Jan-25	15-Jan-25

Conventionals

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119219-R1	**BSB-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	25.3	1	0.1	0.1	NA		C-78138	14-Jan-25	15-Jan-25
Sample ID: 119220-R1	**PB-SSDB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**29-Jan-24**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	26.1	1	0.1	0.1	NA		C-78138	14-Jan-25	15-Jan-25
Sample ID: 119221-R1	**TS-SSDB-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**29-Jan-24**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	25.8	1	0.1	0.1	NA		C-78138	14-Jan-25	15-Jan-25
Sample ID: 119222-R1	**TS-SSDB-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**29-Jan-24**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	24.6	1	0.1	0.1	NA		C-78138	14-Jan-25	15-Jan-25
Sample ID: 119223-R1	**RR-SSDB-HH Wings Only**		**Matrix: Tissue**				**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	18.8	1	0.1	0.1	NA		C-78138	14-Jan-25	15-Jan-25
Sample ID: 119224-R1	**SA-SSDB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	23.1	1	0.1	0.1	NA		C-78138	14-Jan-25	15-Jan-25
Sample ID: 119225-R1	**SA-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	24	1	0.1	0.1	NA		C-78138	14-Jan-25	15-Jan-25
Sample ID: 119226-R1	**SA-SSDB-C3-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	23.3	1	0.1	0.1	NA		C-78138	14-Jan-25	15-Jan-25
Sample ID: 119227-R1	**SA-SSDB-C4-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
Percent Solids	SM 2540 B	%	23	1	0.1	0.1	NA		C-78138	14-Jan-25	15-Jan-25

Elements

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119153-R1	**TS-DP-C1-HH Carcass**		**Matrix: Tissue**					**Sampled: 06-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.22	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0258	1	1E-05	0.00002	NA		E-32106	07-Aug-24	08-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.355	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Sample ID: 119154-R1	**TS-DP-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 06-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.41	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0303	1	1E-05	0.00002	NA		E-32106	07-Aug-24	08-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.452	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Sample ID: 119155-R1	**SSP-DP-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 17-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	2.67	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0292	1	1E-05	0.00002	NA		E-32106	07-Aug-24	08-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.424	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Sample ID: 119156-R1	**WSP-DP-C1-HH Carcass**		**Matrix: Tissue**					**Sampled: 17-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.4	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.025	1	1E-05	0.00002	NA		E-32106	07-Aug-24	08-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.292	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Sample ID: 119157-R1	**WSP-DP-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 17-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.65	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0152	1	1E-05	0.00002	NA		E-32106	07-Aug-24	08-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.374	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24

Elements

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119158-R1	**CA-DP-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**06-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	3.05	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0298	1	1E-05	0.00002	NA		E-32106	07-Aug-24	08-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.392	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Sample ID: 119159-R1	**BSB-DP-HH Skin-off Filtets**		**Matrix: Tissue**				**Sampled:**	**06-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	2.42	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0448	1	1E-05	0.00002	NA		E-32106	07-Aug-24	08-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.329	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Sample ID: 119160-R1	**BSB-DP-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**06-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	2.61	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0355	1	1E-05	0.00002	NA		E-32106	07-Aug-24	08-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.472	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Sample ID: 119161-R1	**SSB-OS-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.634	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.125	1	1E-05	0.00002	NA		E-32106	07-Aug-24	08-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.204	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Sample ID: 119162-R1	**SSB-OS-C1-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.31	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0177	1	1E-05	0.00002	NA		E-32106	07-Aug-24	08-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.37	1	0.025	0.05	NA		E-29136	05-Aug-24	22-Aug-24

Elements

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119163-R1	**SSB-OS-C2-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.448	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0805	1	1E-05	0.00002	NA		E-32107	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.224	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Sample ID: 119164-R1	**SSB-OS-C2-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.622	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.06	1	1E-05	0.00002	NA		E-32107	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.427	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Sample ID: 119165-R1	**TS-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.782	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0139	1	1E-05	0.00002	NA		E-32107	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.427	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Sample ID: 119166-R1	**TS-OS-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.806	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.013	1	1E-05	0.00002	NA		E-32107	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.48	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Sample ID: 119167-R1	**SSP-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**18-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.926	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0388	1	1E-05	0.00002	NA		E-32107	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.256	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24

Elements

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119168-R1	**SSP-OS-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 18-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.11	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0261	1	1E-05	0.00002	NA		E-32107	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.282	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Sample ID: 119169-R1	**WSP-OS-C1-HH Carcass**		**Matrix: Tissue**					**Sampled: 18-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.976	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0157	1	1E-05	0.00002	NA		E-32107	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.279	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Sample ID: 119170-R1	**WSP-OS-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 18-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.22	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.014	1	1E-05	0.00002	NA		E-32107	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.318	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Sample ID: 119171-R1	**WSB-OS-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.62	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0332	1	1E-05	0.00002	NA		E-32107	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.258	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Sample ID: 119172-R1	**KB-OS-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	4.32	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.101	1	1E-05	0.00002	NA		E-32107	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.275	1	0.025	0.05	NA		E-29137	05-Aug-24	22-Aug-24

Elements

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119173-R1	**KB-OS-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	3.5	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0666	1	1E-05	0.00002	NA		E-32108	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.412	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Sample ID: 119174-R1	**SSB-MB-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.556	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.311	1	1E-05	0.00002	NA		E-32108	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.294	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Sample ID: 119175-R1	**SSB-MB-C1-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.31	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.203	1	1E-05	0.00002	NA		E-32108	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.561	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Sample ID: 119176-R1	**SSB-MB-C2-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**12-Feb-24**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.607	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0648	1	1E-05	0.00002	NA		E-32108	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.271	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Sample ID: 119177-R1	**SSB-MB-C2-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**12-Feb-24**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.836	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0462	1	1E-05	0.00002	NA		E-32108	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.365	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24

Elements

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119178-R1	**SSB-MB-C3-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 23-Feb-24**			**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.368	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.105	1	1E-05	0.00002	NA		E-32108	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.394	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Sample ID: 119179-R1	**SSB-MB-C3-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 23-Feb-24**			**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.657	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0651	1	1E-05	0.00002	NA		E-32108	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.495	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Sample ID: 119180-R1	**SSP-MB-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.782	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0238	1	1E-05	0.00002	NA		E-32108	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.337	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Sample ID: 119181-R1	**WSP-MB-HH Carcass**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.34	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0495	1	1E-05	0.00002	NA		E-32108	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.269	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Sample ID: 119182-R1	**WSP-MB-ER Offal**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	2.65	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0211	1	1E-05	0.00002	NA		E-32108	05-Aug-24	12-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.6	1	0.025	0.05	NA		E-29138	05-Aug-24	22-Aug-24

Elements

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119183-R1	**CAH-MB-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.443	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0454	1	1E-05	0.00002	NA		E-32111	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.355	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Sample ID: 119184-R1	**BSB-MB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.957	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0277	1	1E-05	0.00002	NA		E-32111	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.474	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Sample ID: 119185-R1	**KB-MB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.81	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0366	1	1E-05	0.00002	NA		E-32111	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.311	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Sample ID: 119186-R1	**RR-MB-HH Wings Only**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	4.97	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0561	1	1E-05	0.00002	NA		E-32111	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.546	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Sample ID: 119187-R1	**TS-MB-C1-HH Carcass**		**Matrix: Tissue**					**Sampled: 12-Feb-24**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.931	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0229	1	1E-05	0.00002	NA		E-32111	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.353	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24

Elements

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119188-R1	**TS-MB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**12-Feb-24**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.07	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.015	1	1E-05	0.00002	NA		E-32111	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.448	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Sample ID: 119189-R1	**TS-MB-C3-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**23-Feb-24**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.66	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0265	1	1E-05	0.00002	NA		E-32111	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.389	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Sample ID: 119190-R1	**TS-MB-C4-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**23-Feb-24**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.712	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0193	1	1E-05	0.00002	NA		E-32111	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.461	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Sample ID: 119191-R1	**PCM-NSDB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.644	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.059	1	1E-05	0.00002	NA		E-32111	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.497	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Sample ID: 119192-R1	**PCM-NSDB-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.22	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0445	1	1E-05	0.00002	NA		E-32111	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	1.71	1	0.025	0.05	NA		E-29139	05-Aug-24	22-Aug-24

Elements

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119193-R1	**SSB-NSDB-C1-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
Arsenic (As)	EPA 6020	µg/wet g	0.566	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.111	1	1E-05	0.00002	NA		E-32112	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.409	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Sample ID: 119194-R1	**SSB-NSDB-C1-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
Arsenic (As)	EPA 6020	µg/wet g	0.968	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0664	1	1E-05	0.00002	NA		E-32112	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.482	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Sample ID: 119195-R1	**SSB-NSDB-C2-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
Arsenic (As)	EPA 6020	µg/wet g	0.397	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.164	1	1E-05	0.00002	NA		E-32112	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.399	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Sample ID: 119196-R1	**SSB-NSDB-C2-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
Arsenic (As)	EPA 6020	µg/wet g	0.661	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0727	1	1E-05	0.00002	NA		E-32112	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.399	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Sample ID: 119197-R1	**SSB-NSDB-C3-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled: 31-Jan-24**			**Received: 17-Jun-24**	
Arsenic (As)	EPA 6020	µg/wet g	0.535	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.105	1	1E-05	0.00002	NA		E-32112	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.265	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24

Elements

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119198-R1	**SSB-NSDB-C3-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.09	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0755	1	1E-05	0.00002	NA		E-32112	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.428	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Sample ID: 119199-R1	**JS-NSDB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.11	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0236	1	1E-05	0.00002	NA		E-32112	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.314	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Sample ID: 119200-R1	**JS-NSDB-C1-ER Offal**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	3.74	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0151	1	1E-05	0.00002	NA		E-32112	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.97	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Sample ID: 119201-R1	**JS-NSDB-C2-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.847	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0555	1	1E-05	0.00002	NA		E-32112	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.281	1	0.025	0.05	NA		E-29140	05-Aug-24	23-Aug-24
Sample ID: 119202-R1	**TS-NSDB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.09	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0888	1	1E-05	0.00002	NA		E-32113	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.34	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Elements

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119203-R1	**TS-NSDB-C1-ER Offal**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	4.48	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0655	1	1E-05	0.00002	NA		E-32113	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	1	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Sample ID: 119204-R1	**TS-NSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.5	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0316	1	1E-05	0.00002	NA		E-32113	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.379	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Sample ID: 119205-R1	**CAH-NSDB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	1.02	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.048	1	1E-05	0.00002	NA		E-32113	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.329	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Sample ID: 119206-R1	**QF-NSDB-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.8	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0282	1	1E-05	0.00002	NA		E-32113	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.364	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Sample ID: 119207-R1	**BSB-NSDB-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	2.45	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0332	1	1E-05	0.00002	NA		E-32113	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.558	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24

Elements

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119208-R1	**SSP-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.939	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0218	1	1E-05	0.00002	NA		E-32113	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.382	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Sample ID: 119209-R1	**SSP-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.496	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0833	1	1E-05	0.00002	NA		E-32113	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.425	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Sample ID: 119210-R1	**YFC-SSDB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.473	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0156	1	1E-05	0.00002	NA		E-32113	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.432	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Sample ID: 119211-R1	**BC-SSDB-C1-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.541	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0363	1	1E-05	0.00002	NA		E-32113	05-Aug-24	19-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.313	1	0.025	0.05	NA		E-29141	05-Aug-24	23-Aug-24
Sample ID: 119212-R1	**BC-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.892	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0682	1	1E-05	0.00002	NA		E-32118	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.703	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24

Elements

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119213-R1	**SSB-SSDB-C1-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
Arsenic (As)	EPA 6020	µg/wet g	0.292	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.167	1	1E-05	0.00002	NA		E-32118	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.342	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Sample ID: 119214-R1	**SSB-SSDB-C1-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
Arsenic (As)	EPA 6020	µg/wet g	0.782	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.12	1	1E-05	0.00002	NA		E-32118	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.592	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Sample ID: 119215-R1	**SSB-SSDB-C2-ER Whole Fish**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
Arsenic (As)	EPA 6020	µg/wet g	0.75	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0213	1	1E-05	0.00002	NA		E-32118	05-Aug-24	27-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0213	1	1E-05	0.00002	NA		E-32118	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.352	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Sample ID: 119216-R1	**SSB-SSDB-C3-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled: 29-Jan-24**			**Received: 17-Jun-24**	
Arsenic (As)	EPA 6020	µg/wet g	0.531	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.127	1	1E-05	0.00002	NA		E-32118	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.451	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Sample ID: 119217-R1	**SSB-SSDB-C3-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 29-Jan-24**			**Received: 17-Jun-24**	
Arsenic (As)	EPA 6020	µg/wet g	0.799	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0916	1	1E-05	0.00002	NA		E-32118	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.579	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24

Elements

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119218-R1	**BSB-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.962	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0349	1	1E-05	0.00002	NA		E-32118	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.52	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Sample ID: 119219-R1	**BSB-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.976	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0256	1	1E-05	0.00002	NA		E-32118	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.516	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Sample ID: 119220-R1	**PB-SSDB-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 29-Jan-24**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.884	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.122	1	1E-05	0.00002	NA		E-32118	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.254	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Sample ID: 119221-R1	**TS-SSDB-HH Carcass**		**Matrix: Tissue**					**Sampled: 29-Jan-24**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.624	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0357	1	1E-05	0.00002	NA		E-32118	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.419	1	0.025	0.05	NA		E-29142	05-Aug-24	23-Aug-24
Sample ID: 119222-R1	**TS-SSDB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 29-Jan-24**		**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.707	1	0.025	0.05	NA		E-29143	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0214	1	1E-05	0.00002	NA		E-32119	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.498	1	0.025	0.05	NA		E-29143	05-Aug-24	23-Aug-24

Elements

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119223-R1	**RR-SSDB-HH Wings Only**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	8.16	1	0.025	0.05	NA		E-29143	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0961	1	1E-05	0.00002	NA		E-32119	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.701	1	0.025	0.05	NA		E-29143	05-Aug-24	23-Aug-24
Sample ID: 119224-R1	**SA-SSDB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.674	1	0.025	0.05	NA		E-29143	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0279	1	1E-05	0.00002	NA		E-32119	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.353	1	0.025	0.05	NA		E-29143	05-Aug-24	23-Aug-24
Sample ID: 119225-R1	**SA-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.712	1	0.025	0.05	NA		E-29143	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0314	1	1E-05	0.00002	NA		E-32119	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.339	1	0.025	0.05	NA		E-29143	05-Aug-24	23-Aug-24
Sample ID: 119226-R1	**SA-SSDB-C3-HH Carcass**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.823	1	0.025	0.05	NA		E-29143	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.031	1	1E-05	0.00002	NA		E-32119	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.358	1	0.025	0.05	NA		E-29143	05-Aug-24	23-Aug-24
Sample ID: 119227-R1	**SA-SSDB-C4-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received:**	**17-Jun-24**
Arsenic (As)	EPA 6020	µg/wet g	0.772	1	0.025	0.05	NA		E-29143	05-Aug-24	23-Aug-24
Mercury (Hg)	EPA 245.7	µg/wet g	0.0282	1	1E-05	0.00002	NA		E-32119	05-Aug-24	27-Aug-24
Selenium (Se)	EPA 6020	µg/wet g	0.373	1	0.025	0.05	NA		E-29143	05-Aug-24	23-Aug-24

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119153-R1	**TS-DP-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 06-Sep-23**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 044	EPA 8270E	ng/wet g	0.0876	1	0.028	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.126	1	0.036	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.152	1	0.012	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.153	1	0.018	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.228	1	0.074	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 118	EPA 8270E	ng/wet g	0.339	1	0.069	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 138	EPA 8270E	ng/wet g	0.983	1	0.057	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.289	1	0.092	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 153	EPA 8270E	ng/wet g	1.57	1	0.065	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 180	EPA 8270E	ng/wet g	0.194	1	0.154	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 187	EPA 8270E	ng/wet g	0.394	1	0.168	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119154-R1	**TS-DP-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 06-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 044	EPA 8270E	ng/wet g	0.217	1	0.028	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.108	1	0.036	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.223	1	0.012	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 066	EPA 8270E	ng/wet g	1.57	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.399	1	0.25	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
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PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.531	1	0.074	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 114	EPA 8270E	ng/wet g	0.789	1	0.072	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 118	EPA 8270E	ng/wet g	0.842	1	0.069	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.476	1	0.081	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 138	EPA 8270E	ng/wet g	2.07	1	0.057	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.49	1	0.092	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.123	1	0.073	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 153	EPA 8270E	ng/wet g	3.91	1	0.065	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 167	EPA 8270E	ng/wet g	1.31	1	0.049	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.105	1	0.085	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 180	EPA 8270E	ng/wet g	0.285	1	0.154	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 187	EPA 8270E	ng/wet g	0.233	1	0.168	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119155-R1	**SSP-DP-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**17-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.211	1	0.036	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.318	1	0.012	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.549	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.255	1	0.023	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.304	1	0.021	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.268	1	0.25	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.659	1	0.074	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 118	EPA 8270E	ng/wet g	0.585	1	0.069	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 123	EPA 8270E	ng/wet g	0.186	1	0.018	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 138	EPA 8270E	ng/wet g	3.27	1	0.057	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.13	1	0.092	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 153	EPA 8270E	ng/wet g	3.39	1	0.065	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.273	1	0.089	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.168	1	0.085	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 180	EPA 8270E	ng/wet g	0.371	1	0.154	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	0.354	1	0.056	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 187	EPA 8270E	ng/wet g	0.848	1	0.168	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119156-R1	**WSP-DP-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**17-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.0833	1	0.036	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.115	1	0.023	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.168	1	0.021	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.289	1	0.074	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 114	EPA 8270E	ng/wet g	0.268	1	0.072	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 118	EPA 8270E	ng/wet g	0.667	1	0.069	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.145	1	0.081	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 138	EPA 8270E	ng/wet g	1.05	1	0.057	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 149	EPA 8270E	ng/wet g	ND	1	0.092	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 153	EPA 8270E	ng/wet g	3.1	1	0.065	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 180	EPA 8270E	ng/wet g	0.336	1	0.154	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 187	EPA 8270E	ng/wet g	ND	1	0.168	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119157-R1	**WSP-DP-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 17-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 049	EPA 8270E	ng/wet g	ND	1	0.036	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.184	1	0.021	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 110	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 114	EPA 8270E	ng/wet g	0.319	1	0.072	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 118	EPA 8270E	ng/wet g	0.368	1	0.069	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.292	1	0.081	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 138	EPA 8270E	ng/wet g	0.124	1	0.057	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 149	EPA 8270E	ng/wet g	ND	1	0.092	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 153	EPA 8270E	ng/wet g	1.64	1	0.065	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 180	EPA 8270E	ng/wet g	0.264	1	0.154	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 187	EPA 8270E	ng/wet g	0.862	1	0.168	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 189	EPA 8270E	ng/wet g	0.423	1	0.109	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119158-R1	**CA-DP-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 06-Sep-23**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.0909	1	0.036	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.464	1	0.074	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 118	EPA 8270E	ng/wet g	0.411	1	0.069	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 138	EPA 8270E	ng/wet g	3.02	1	0.057	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.125	1	0.092	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 153	EPA 8270E	ng/wet g	2.82	1	0.065	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 180	EPA 8270E	ng/wet g	ND	1	0.154	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 187	EPA 8270E	ng/wet g	0.545	1	0.168	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119159-R1	**BSB-DP-HH Skin-off Filtets**		**Matrix: Tissue**				**Sampled: 06-Sep-23**			**Received: 17-Jun-24**	
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.13	1	0.036	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.122	1	0.027	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.154	1	0.021	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.549	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.575	1	0.074	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 114	EPA 8270E	ng/wet g	0.404	1	0.072	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 118	EPA 8270E	ng/wet g	0.613	1	0.069	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 138	EPA 8270E	ng/wet g	1.65	1	0.057	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 149	EPA 8270E	ng/wet g	ND	1	0.092	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 153	EPA 8270E	ng/wet g	1.13	1	0.065	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.355	1	0.049	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 180	EPA 8270E	ng/wet g	ND	1	0.154	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	0.241	1	0.056	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 187	EPA 8270E	ng/wet g	ND	1	0.168	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119160-R1	**BSB-DP-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 06-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.775	1	0.023	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.236	1	0.036	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 052	EPA 8270E	ng/wet g	1.13	1	0.012	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.737	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.159	1	0.021	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 095	EPA 8270E	ng/wet g	1.79	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 110	EPA 8270E	ng/wet g	1.66	1	0.074	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 118	EPA 8270E	ng/wet g	1.18	1	0.069	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 123	EPA 8270E	ng/wet g	0.912	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 138	EPA 8270E	ng/wet g	9.75	1	0.057	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 149	EPA 8270E	ng/wet g	ND	1	0.092	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.0796	1	0.073	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 153	EPA 8270E	ng/wet g	12.6	1	0.065	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.325	1	0.089	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 180	EPA 8270E	ng/wet g	2.47	1	0.154	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	1.62	1	0.056	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 187	EPA 8270E	ng/wet g	4.29	1	0.168	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119161-R1	**SSB-OS-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.196	1	0.036	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.154	1	0.012	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.101	1	0.027	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.0338	1	0.023	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.102	1	0.021	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 105	EPA 8270E	ng/wet g	0.352	1	0.047	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.284	1	0.074	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 118	EPA 8270E	ng/wet g	0.857	1	0.069	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.112	1	0.081	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 138	EPA 8270E	ng/wet g	1.87	1	0.057	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.207	1	0.092	0.5	Total	J	O-49056	09-Jan-25	14-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 153	EPA 8270E	ng/wet g	3.13	1	0.065	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 180	EPA 8270E	ng/wet g	0.603	1	0.154	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 187	EPA 8270E	ng/wet g	0.691	1	0.168	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	14-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119162-R1	**SSB-OS-C1-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 028	EPA 8270E	ng/wet g	1.85	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 049	EPA 8270E	ng/wet g	2.36	1	0.036	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 052	EPA 8270E	ng/wet g	2.42	1	0.012	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 066	EPA 8270E	ng/wet g	2.35	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 074	EPA 8270E	ng/wet g	1.17	1	0.021	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 095	EPA 8270E	ng/wet g	1.54	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 099	EPA 8270E	ng/wet g	7.69	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 105	EPA 8270E	ng/wet g	4.69	1	0.047	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 110	EPA 8270E	ng/wet g	3.26	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 118	EPA 8270E	ng/wet g	8.86	1	0.069	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 128	EPA 8270E	ng/wet g	2.52	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 138	EPA 8270E	ng/wet g	22.5	1	0.057	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.789	1	0.092	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.264	1	0.073	0.5	Total	J	O-49056	09-Jan-25	15-Jan-25
PCB 153	EPA 8270E	ng/wet g	27.3	1	0.065	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 156	EPA 8270E	ng/wet g	1.43	1	0.089	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.315	1	0.085	0.5	Total	J	O-49056	09-Jan-25	15-Jan-25
PCB 180	EPA 8270E	ng/wet g	10.6	1	0.154	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	1.63	1	0.056	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 187	EPA 8270E	ng/wet g	3.39	1	0.168	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 199	EPA 8270E	ng/wet g	4.36	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119163-R1	**SSB-OS-C2-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.125	1	0.036	0.5	Total	J	O-49056	09-Jan-25	15-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.134	1	0.021	0.5	Total	J	O-49056	09-Jan-25	15-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 110	EPA 8270E	ng/wet g	2.7	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 118	EPA 8270E	ng/wet g	1.74	1	0.069	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 138	EPA 8270E	ng/wet g	1.35	1	0.057	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 149	EPA 8270E	ng/wet g	ND	1	0.092	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.137	1	0.073	0.5	Total	J	O-49056	09-Jan-25	15-Jan-25
PCB 153	EPA 8270E	ng/wet g	0.58	1	0.065	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.484	1	0.089	0.5	Total	J	O-49056	09-Jan-25	15-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.271	1	0.085	0.5	Total	J	O-49056	09-Jan-25	15-Jan-25
PCB 180	EPA 8270E	ng/wet g	ND	1	0.154	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 187	EPA 8270E	ng/wet g	0.904	1	0.168	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 194	EPA 8270E	ng/wet g	1.98	1	0.164	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 209	EPA 8270E	ng/wet g	1.57	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119164-R1	**SSB-OS-C2-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.273	1	0.036	0.5	Total	J	O-49056	09-Jan-25	15-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.361	1	0.012	0.5	Total	J	O-49056	09-Jan-25	15-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 066	EPA 8270E	ng/wet g	1.76	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 110	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 118	EPA 8270E	ng/wet g	3.26	1	0.069	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 138	EPA 8270E	ng/wet g	3.91	1	0.057	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 149	EPA 8270E	ng/wet g	ND	1	0.092	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 153	EPA 8270E	ng/wet g	2.69	1	0.065	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 174	EPA 8270E	ng/wet g	0.583	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 180	EPA 8270E	ng/wet g	1.34	1	0.154	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	0.813	1	0.056	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 187	EPA 8270E	ng/wet g	ND	1	0.168	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119165-R1	**TS-OS-C1-HH Carcass**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 033	EPA 8270E	ng/wet g	1.82	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 049	EPA 8270E	ng/wet g	ND	1	0.036	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 110	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 118	EPA 8270E	ng/wet g	6.82	1	0.069	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	2.06	1	0.094	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 138	EPA 8270E	ng/wet g	1.78	1	0.057	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 149	EPA 8270E	ng/wet g	ND	1	0.092	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 153	EPA 8270E	ng/wet g	ND	1	0.065	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 180	EPA 8270E	ng/wet g	10.9	1	0.154	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 187	EPA 8270E	ng/wet g	ND	1	0.168	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 194	EPA 8270E	ng/wet g	3.27	1	0.164	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119166-R1	**TS-OS-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 049	EPA 8270E	ng/wet g	ND	1	0.036	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 095	EPA 8270E	ng/wet g	8.36	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 110	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 118	EPA 8270E	ng/wet g	ND	1	0.069	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 128	EPA 8270E	ng/wet g	2.08	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 138	EPA 8270E	ng/wet g	3.77	1	0.057	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 149	EPA 8270E	ng/wet g	ND	1	0.092	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 153	EPA 8270E	ng/wet g	13.7	1	0.065	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 180	EPA 8270E	ng/wet g	5.44	1	0.154	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 187	EPA 8270E	ng/wet g	8.59	1	0.168	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119167-R1	**SSP-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 18-Aug-23**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.525	1	0.036	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 052	EPA 8270E	ng/wet g	1.81	1	0.012	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 066	EPA 8270E	ng/wet g	4.3	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 110	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 118	EPA 8270E	ng/wet g	4.7	1	0.069	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 138	EPA 8270E	ng/wet g	3.62	1	0.057	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 149	EPA 8270E	ng/wet g	ND	1	0.092	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 153	EPA 8270E	ng/wet g	5.11	1	0.065	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 180	EPA 8270E	ng/wet g	0.809	1	0.154	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 187	EPA 8270E	ng/wet g	1.81	1	0.168	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119168-R1	**SSP-OS-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 18-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 033	EPA 8270E	ng/wet g	1.05	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 049	EPA 8270E	ng/wet g	ND	1	0.036	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 066	EPA 8270E	ng/wet g	9.23	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 110	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 118	EPA 8270E	ng/wet g	4.3	1	0.069	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 138	EPA 8270E	ng/wet g	2.09	1	0.057	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.475	1	0.092	0.5	Total	J	O-49056	09-Jan-25	15-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 153	EPA 8270E	ng/wet g	4.02	1	0.065	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 177	EPA 8270E	ng/wet g	1.37	1	0.085	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 180	EPA 8270E	ng/wet g	1.02	1	0.154	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 187	EPA 8270E	ng/wet g	ND	1	0.168	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119169-R1	**WSP-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 18-Aug-23**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	1.48	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.51	1	0.036	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.695	1	0.012	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 095	EPA 8270E	ng/wet g	2.85	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 105	EPA 8270E	ng/wet g	5.63	1	0.047	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 110	EPA 8270E	ng/wet g	3.65	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 118	EPA 8270E	ng/wet g	3.66	1	0.069	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 126	EPA 8270E	ng/wet g	13.7	1	0.086	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 138	EPA 8270E	ng/wet g	ND	1	0.057	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 149	EPA 8270E	ng/wet g	ND	1	0.092	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 153	EPA 8270E	ng/wet g	0.781	1	0.065	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 158	EPA 8270E	ng/wet g	0.442	1	0.074	0.5	Total	J	O-49056	09-Jan-25	15-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 180	EPA 8270E	ng/wet g	2.46	1	0.154	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 187	EPA 8270E	ng/wet g	ND	1	0.168	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 194	EPA 8270E	ng/wet g	1.36	1	0.164	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119170-R1	**WSP-OS-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 18-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 049	EPA 8270E	ng/wet g	ND	1	0.036	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 066	EPA 8270E	ng/wet g	4.1	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 110	EPA 8270E	ng/wet g	12.4	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 118	EPA 8270E	ng/wet g	8.16	1	0.069	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 138	EPA 8270E	ng/wet g	3.43	1	0.057	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 149	EPA 8270E	ng/wet g	ND	1	0.092	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 153	EPA 8270E	ng/wet g	2.88	1	0.065	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 177	EPA 8270E	ng/wet g	2.21	1	0.085	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 180	EPA 8270E	ng/wet g	ND	1	0.154	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 187	EPA 8270E	ng/wet g	ND	1	0.168	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 194	EPA 8270E	ng/wet g	1.79	1	0.164	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119171-R1	**WSB-OS-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 049	EPA 8270E	ng/wet g	ND	1	0.036	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 110	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 118	EPA 8270E	ng/wet g	ND	1	0.069	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 137	EPA 8270E	ng/wet g	1.4	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 138	EPA 8270E	ng/wet g	1.24	1	0.057	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 141	EPA 8270E	ng/wet g	1.56	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.567	1	0.092	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 153	EPA 8270E	ng/wet g	3.49	1	0.065	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 156	EPA 8270E	ng/wet g	1.6	1	0.089	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.907	1	0.049	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 177	EPA 8270E	ng/wet g	1.53	1	0.085	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 180	EPA 8270E	ng/wet g	ND	1	0.154	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 187	EPA 8270E	ng/wet g	2.95	1	0.168	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 194	EPA 8270E	ng/wet g	2.45	1	0.164	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119172-R1	**KB-OS-HH Skin-off Fillets**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 049	EPA 8270E	ng/wet g	ND	1	0.036	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 105	EPA 8270E	ng/wet g	14.5	1	0.047	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 110	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 118	EPA 8270E	ng/wet g	7.98	1	0.069	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 138	EPA 8270E	ng/wet g	ND	1	0.057	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 149	EPA 8270E	ng/wet g	ND	1	0.092	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 153	EPA 8270E	ng/wet g	ND	1	0.065	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 158	EPA 8270E	ng/wet g	1.23	1	0.074	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 180	EPA 8270E	ng/wet g	2.79	1	0.154	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 187	EPA 8270E	ng/wet g	ND	1	0.168	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49056	09-Jan-25	15-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49056	09-Jan-25	15-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119173-R1	**KB-OS-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 027	EPA 8270E	ng/wet g	32.1	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 049	EPA 8270E	ng/wet g	1.69	1	0.036	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 052	EPA 8270E	ng/wet g	2.43	1	0.012	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 066	EPA 8270E	ng/wet g	1.38	1	0.027	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 074	EPA 8270E	ng/wet g	1.12	1	0.021	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 077	EPA 8270E	ng/wet g	1.87	1	0.018	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 095	EPA 8270E	ng/wet g	1.57	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 110	EPA 8270E	ng/wet g	1.76	1	0.074	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 118	EPA 8270E	ng/wet g	7.14	1	0.069	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 126	EPA 8270E	ng/wet g	1.2	1	0.086	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.914	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 138	EPA 8270E	ng/wet g	10.6	1	0.057	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 149	EPA 8270E	ng/wet g	2.25	1	0.092	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 153	EPA 8270E	ng/wet g	11.8	1	0.065	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 156	EPA 8270E	ng/wet g	1.1	1	0.089	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.481	1	0.049	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 177	EPA 8270E	ng/wet g	1.35	1	0.085	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 180	EPA 8270E	ng/wet g	3.06	1	0.154	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	1.13	1	0.056	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 187	EPA 8270E	ng/wet g	2.66	1	0.168	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.92	1	0.093	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119174-R1	**SSB-MB-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 015	EPA 8270E	ng/wet g	0.422	1	0.25	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.76	1	0.036	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.704	1	0.012	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 066	EPA 8270E	ng/wet g	2.04	1	0.027	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.691	1	0.021	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.456	1	0.018	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.709	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 105	EPA 8270E	ng/wet g	2.25	1	0.047	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 110	EPA 8270E	ng/wet g	1.75	1	0.074	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 118	EPA 8270E	ng/wet g	12.9	1	0.069	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 128	EPA 8270E	ng/wet g	4.52	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 138	EPA 8270E	ng/wet g	34	1	0.057	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 149	EPA 8270E	ng/wet g	3.2	1	0.092	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 151	EPA 8270E	ng/wet g	1.03	1	0.073	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 153	EPA 8270E	ng/wet g	63	1	0.065	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 156	EPA 8270E	ng/wet g	2.01	1	0.089	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 157	EPA 8270E	ng/wet g	0.769	1	0.103	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 167	EPA 8270E	ng/wet g	1.02	1	0.049	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 170	EPA 8270E	ng/wet g	6.04	1	0.118	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 177	EPA 8270E	ng/wet g	1.17	1	0.085	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 180	EPA 8270E	ng/wet g	15.6	1	0.154	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	5.79	1	0.056	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 187	EPA 8270E	ng/wet g	17.2	1	0.168	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 194	EPA 8270E	ng/wet g	4.29	1	0.164	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 195	EPA 8270E	ng/wet g	1.87	1	0.093	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 201	EPA 8270E	ng/wet g	0.829	1	0.104	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 206	EPA 8270E	ng/wet g	0.773	1	0.155	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 209	EPA 8270E	ng/wet g	1.36	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119175-R1	**SSB-MB-C1-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 027	EPA 8270E	ng/wet g	33.6	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 028	EPA 8270E	ng/wet g	1.23	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 049	EPA 8270E	ng/wet g	4.8	1	0.036	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 052	EPA 8270E	ng/wet g	3.29	1	0.012	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 066	EPA 8270E	ng/wet g	8.03	1	0.027	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 074	EPA 8270E	ng/wet g	3.46	1	0.021	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 077	EPA 8270E	ng/wet g	2.48	1	0.018	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 095	EPA 8270E	ng/wet g	2.92	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 099	EPA 8270E	ng/wet g	48.1	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	28.7	1	0.027	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 105	EPA 8270E	ng/wet g	9.38	1	0.047	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 110	EPA 8270E	ng/wet g	7.61	1	0.074	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 118	EPA 8270E	ng/wet g	59.3	1	0.069	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 128	EPA 8270E	ng/wet g	18.4	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 138	EPA 8270E	ng/wet g	139	1	0.057	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 149	EPA 8270E	ng/wet g	16.8	1	0.092	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 151	EPA 8270E	ng/wet g	4.93	1	0.073	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 153	EPA 8270E	ng/wet g	245	1	0.065	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 156	EPA 8270E	ng/wet g	7.67	1	0.089	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 157	EPA 8270E	ng/wet g	2.03	1	0.103	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 167	EPA 8270E	ng/wet g	3.38	1	0.049	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 170	EPA 8270E	ng/wet g	21.3	1	0.118	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 174	EPA 8270E	ng/wet g	2.45	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 177	EPA 8270E	ng/wet g	4.26	1	0.085	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 180	EPA 8270E	ng/wet g	50.3	1	0.154	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	19	1	0.056	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 187	EPA 8270E	ng/wet g	53	1	0.168	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 189	EPA 8270E	ng/wet g	1.6	1	0.109	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 194	EPA 8270E	ng/wet g	10.3	1	0.164	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 195	EPA 8270E	ng/wet g	3.58	1	0.093	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 201	EPA 8270E	ng/wet g	2.18	1	0.104	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 203	EPA 8270E	ng/wet g	12.4	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 206	EPA 8270E	ng/wet g	3.57	1	0.155	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 209	EPA 8270E	ng/wet g	1.65	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119176-R1	**SSB-MB-C2-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 12-Feb-24**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 027	EPA 8270E	ng/wet g	3.72	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 049	EPA 8270E	ng/wet g	ND	1	0.036	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.303	1	0.027	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.137	1	0.018	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.523	1	0.074	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 118	EPA 8270E	ng/wet g	ND	1	0.069	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 138	EPA 8270E	ng/wet g	1.12	1	0.057	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.143	1	0.092	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 153	EPA 8270E	ng/wet g	1.73	1	0.065	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.157	1	0.089	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.127	1	0.049	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 180	EPA 8270E	ng/wet g	0.704	1	0.154	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 187	EPA 8270E	ng/wet g	ND	1	0.168	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.32	1	0.164	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119177-R1	**SSB-MB-C2-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 12-Feb-24**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 027	EPA 8270E	ng/wet g	28.4	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.551	1	0.036	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.75	1	0.027	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.554	1	0.021	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.922	1	0.018	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.608	1	0.074	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 118	EPA 8270E	ng/wet g	ND	1	0.069	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.931	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 138	EPA 8270E	ng/wet g	4.23	1	0.057	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.579	1	0.092	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.242	1	0.073	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 153	EPA 8270E	ng/wet g	6.68	1	0.065	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.378	1	0.089	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 174	EPA 8270E	ng/wet g	0.352	1	0.25	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.459	1	0.085	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 180	EPA 8270E	ng/wet g	1.64	1	0.154	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	0.982	1	0.056	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 187	EPA 8270E	ng/wet g	1.81	1	0.168	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.397	1	0.164	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119178-R1	**SSB-MB-C3-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**23-Feb-24**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 027	EPA 8270E	ng/wet g	5.53	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 049	EPA 8270E	ng/wet g	ND	1	0.036	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.143	1	0.027	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.0764	1	0.021	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.306	1	0.074	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 118	EPA 8270E	ng/wet g	ND	1	0.069	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 138	EPA 8270E	ng/wet g	0.78	1	0.057	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 149	EPA 8270E	ng/wet g	ND	1	0.092	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 153	EPA 8270E	ng/wet g	1.22	1	0.065	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.111	1	0.049	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 180	EPA 8270E	ng/wet g	ND	1	0.154	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 187	EPA 8270E	ng/wet g	ND	1	0.168	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119179-R1	**SSB-MB-C3-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 23-Feb-24**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.604	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 049	EPA 8270E	ng/wet g	1.01	1	0.036	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.774	1	0.012	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 066	EPA 8270E	ng/wet g	1.26	1	0.027	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.866	1	0.021	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.857	1	0.018	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.435	1	0.25	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.845	1	0.074	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 118	EPA 8270E	ng/wet g	ND	1	0.069	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.63	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 138	EPA 8270E	ng/wet g	4.75	1	0.057	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 149	EPA 8270E	ng/wet g	1.31	1	0.092	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 153	EPA 8270E	ng/wet g	7.74	1	0.065	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.217	1	0.049	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 180	EPA 8270E	ng/wet g	1.74	1	0.154	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	1.01	1	0.056	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 187	EPA 8270E	ng/wet g	1.95	1	0.168	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.901	1	0.164	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.495	1	0.093	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119180-R1	**SSP-MB-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	1.36	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.301	1	0.036	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.138	1	0.027	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.0945	1	0.021	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	2.26	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.3	1	0.074	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	ND	1	0.069	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	1	1	0.086	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.266	1	0.081	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	1.3	1	0.057	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.276	1	0.092	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.356	1	0.073	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	1.82	1	0.065	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	0.616	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.0922	1	0.049	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.268	1	0.085	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	0.657	1	0.154	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	0.474	1	0.168	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.184	1	0.164	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119181-R1	**WSP-MB-HH Carcass**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 027	EPA 8270E	ng/wet g	12.6	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 033	EPA 8270E	ng/wet g	0.469	1	0.25	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 049	EPA 8270E	ng/wet g	1.65	1	0.036	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 052	EPA 8270E	ng/wet g	1.79	1	0.012	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.905	1	0.021	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 077	EPA 8270E	ng/wet g	1.08	1	0.018	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.574	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
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PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 110	EPA 8270E	ng/wet g	1.15	1	0.074	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 118	EPA 8270E	ng/wet g	4.01	1	0.069	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 126	EPA 8270E	ng/wet g	0.533	1	0.086	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.631	1	0.081	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 138	EPA 8270E	ng/wet g	5.81	1	0.057	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 149	EPA 8270E	ng/wet g	1.22	1	0.092	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.943	1	0.073	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 153	EPA 8270E	ng/wet g	8.74	1	0.065	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.289	1	0.049	0.5	Total	J	O-49058	12-Jan-25	16-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.662	1	0.085	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 180	EPA 8270E	ng/wet g	1.97	1	0.154	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	1.14	1	0.056	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 187	EPA 8270E	ng/wet g	1.89	1	0.168	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49058	12-Jan-25	16-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119182-R1	**WSP-MB-ER Offal**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	6.05	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	1.32	1	0.036	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	1.14	1	0.012	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.775	1	0.021	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.898	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.697	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.832	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	ND	1	0.069	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	0.989	1	0.086	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.673	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	5.19	1	0.057	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.945	1	0.092	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.799	1	0.073	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	8.98	1	0.065	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.163	1	0.049	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	0.331	1	0.25	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.351	1	0.085	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	1.15	1	0.154	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	0.984	1	0.056	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	1.59	1	0.168	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	0.43	1	0.155	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119183-R1	**CAH-MB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	ND	1	0.036	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.392	1	0.027	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.204	1	0.021	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	0.697	1	0.047	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.661	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	0.503	1	0.069	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	0.537	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	1.51	1	0.057	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.566	1	0.092	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	1.62	1	0.065	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	0.742	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.2	1	0.085	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	ND	1	0.154	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	0.701	1	0.168	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.359	1	0.164	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119184-R1	**BSB-MB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	2.53	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.419	1	0.023	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.703	1	0.036	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.821	1	0.012	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.523	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.673	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.612	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	ND	1	0.069	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.367	1	0.081	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	1.5	1	0.057	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.795	1	0.092	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	2.38	1	0.065	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.29	1	0.089	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	0.677	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.153	1	0.049	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.346	1	0.085	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	ND	1	0.154	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	ND	1	0.168	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	0.532	1	0.155	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119185-R1	**KB-MB-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	6.68	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.249	1	0.023	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.485	1	0.036	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.528	1	0.012	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.298	1	0.021	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.39	1	0.018	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.461	1	0.074	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	ND	1	0.069	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	1.26	1	0.057	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.573	1	0.092	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	1.8	1	0.065	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	0.868	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	ND	1	0.154	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	0.639	1	0.168	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	0.435	1	0.155	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119186-R1	**RR-MB-HH Wings Only**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	ND	1	0.036	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.13	1	0.027	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.109	1	0.023	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.0574	1	0.021	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.335	1	0.018	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.271	1	0.25	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	0.39	1	0.047	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.362	1	0.074	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	ND	1	0.069	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	0.548	1	0.057	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.0924	1	0.092	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	1.28	1	0.065	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	0.668	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	ND	1	0.154	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	ND	1	0.168	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.296	1	0.164	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	0.344	1	0.25	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119187-R1	**TS-MB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 12-Feb-24**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	ND	1	0.036	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.291	1	0.023	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.131	1	0.021	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.339	1	0.018	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.381	1	0.25	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	0.783	1	0.047	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.9	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	1.76	1	0.069	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.713	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	2.93	1	0.057	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.849	1	0.092	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.55	1	0.073	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	3.76	1	0.065	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	1.02	1	0.154	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	0.529	1	0.056	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	1.12	1	0.168	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.324	1	0.164	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.288	1	0.093	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119188-R1	**TS-MB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 12-Feb-24**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.588	1	0.036	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.884	1	0.012	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.486	1	0.021	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.673	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.762	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	1.83	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	3.17	1	0.069	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	1.28	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	4.98	1	0.057	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	2.57	1	0.092	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.864	1	0.073	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	7.97	1	0.065	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.931	1	0.085	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	1.8	1	0.154	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	1.1	1	0.056	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	2.56	1	0.168	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.778	1	0.164	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119189-R1	**TS-MB-C3-HH Carcass**		**Matrix: Tissue**				**Sampled: 23-Feb-24**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.844	1	0.036	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.858	1	0.012	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	1.03	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.583	1	0.023	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.312	1	0.021	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.424	1	0.018	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	1.21	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	1.06	1	0.047	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	1.96	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	4.13	1	0.069	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	1.22	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	8.44	1	0.057	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	3.32	1	0.092	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.966	1	0.073	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	12.3	1	0.065	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	0.205	1	0.103	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.473	1	0.049	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	0.985	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	1.44	1	0.085	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	1.36	1	0.154	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	1.21	1	0.056	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	3.72	1	0.168	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.779	1	0.164	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.406	1	0.093	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	0.362	1	0.155	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119190-R1	**TS-MB-C4-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 23-Feb-24**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.268	1	0.023	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.718	1	0.036	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.739	1	0.012	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.385	1	0.023	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.303	1	0.021	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	1.11	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	0.464	1	0.047	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	1.75	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	2.85	1	0.069	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.934	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	5.73	1	0.057	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	2.51	1	0.092	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	1.21	1	0.073	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	7.64	1	0.065	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.231	1	0.089	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	0.12	1	0.103	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	0.576	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	1.16	1	0.085	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	1.05	1	0.154	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
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PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	0.912	1	0.056	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	2.28	1	0.168	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.879	1	0.164	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.558	1	0.093	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	0.607	1	0.155	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119191-R1	**PCM-NSDB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	0.446	1	0.25	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	ND	1	0.036	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.681	1	0.012	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.298	1	0.023	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.351	1	0.021	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.602	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.646	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.443	1	0.074	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	0.992	1	0.069	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	1.56	1	0.057	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.693	1	0.092	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.457	1	0.073	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	2.45	1	0.065	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	0.495	1	0.074	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	0.388	1	0.25	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.508	1	0.085	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	0.613	1	0.154	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	0.455	1	0.056	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	0.877	1	0.168	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.433	1	0.093	0.5	Total	J	O-49058	12-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49058	12-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119192-R1	**PCM-NSDB-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 15-Sep-23**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 027	EPA 8270E	ng/wet g	3.93	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.815	1	0.036	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 052	EPA 8270E	ng/wet g	1.34	1	0.012	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.769	1	0.023	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.793	1	0.021	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 077	EPA 8270E	ng/wet g	1.05	1	0.018	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.725	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49058	12-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 110	EPA 8270E	ng/wet g	1.99	1	0.074	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 118	EPA 8270E	ng/wet g	3.25	1	0.069	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.782	1	0.081	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 138	EPA 8270E	ng/wet g	5.5	1	0.057	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 149	EPA 8270E	ng/wet g	1.75	1	0.092	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 151	EPA 8270E	ng/wet g	1.02	1	0.073	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 153	EPA 8270E	ng/wet g	6.53	1	0.065	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.417	1	0.049	0.5	Total	J	O-49058	12-Jan-25	18-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 174	EPA 8270E	ng/wet g	0.605	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 180	EPA 8270E	ng/wet g	1.3	1	0.154	0.5	Total		O-49058	12-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	0.851	1	0.056	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 187	EPA 8270E	ng/wet g	1.45	1	0.168	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.372	1	0.093	0.5	Total	J	O-49058	12-Jan-25	18-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 206	EPA 8270E	ng/wet g	0.68	1	0.155	0.5	Total		O-49058	12-Jan-25	18-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49058	12-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119193-R1	**SSB-NSDB-C1-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	ND	1	0.036	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.0767	1	0.027	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.0292	1	0.023	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.065	1	0.021	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.0551	1	0.018	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49060	13-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	0.12	1	0.047	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.103	1	0.074	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	0.131	1	0.069	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.278	1	0.081	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	0.688	1	0.057	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.13	1	0.092	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	1.92	1	0.065	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.191	1	0.085	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	0.186	1	0.154	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	0.415	1	0.168	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	0.122	1	0.104	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119194-R1	**SSB-NSDB-C1-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.392	1	0.023	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.919	1	0.036	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.769	1	0.012	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	1.14	1	0.027	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.399	1	0.021	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	2.79	1	0.028	0.5	Total		O-49060	13-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	0.61	1	0.047	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.432	1	0.074	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	2.13	1	0.069	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.979	1	0.081	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	6.34	1	0.057	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.892	1	0.092	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.321	1	0.073	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	12.9	1	0.065	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.13	1	0.089	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.358	1	0.085	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	2.2	1	0.154	0.5	Total		O-49060	13-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	0.899	1	0.056	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	4.22	1	0.168	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.294	1	0.164	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.315	1	0.093	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	0.148	1	0.104	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	3.41	1	0.155	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119195-R1	**SSB-NSDB-C2-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.726	1	0.036	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.487	1	0.012	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.851	1	0.027	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.268	1	0.021	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.179	1	0.018	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.326	1	0.25	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	3.06	1	0.028	0.5	Total		O-49060	13-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	0.809	1	0.047	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.518	1	0.074	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	2.74	1	0.069	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	1.31	1	0.081	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	8.28	1	0.057	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	1.41	1	0.092	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.347	1	0.073	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	15.1	1	0.065	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.399	1	0.089	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.245	1	0.049	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	0.951	1	0.118	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.274	1	0.085	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	2.63	1	0.154	0.5	Total		O-49060	13-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	1.09	1	0.056	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	4.06	1	0.168	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.571	1	0.164	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	0.174	1	0.104	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119196-R1	**SSB-NSDB-C2-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.846	1	0.023	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	3.25	1	0.036	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	2.86	1	0.012	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	4.28	1	0.027	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.508	1	0.023	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	1.48	1	0.021	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.785	1	0.018	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	1.83	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	15	1	0.028	0.5	Total		O-49060	13-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	11.4	1	0.027	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	3.46	1	0.047	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	2.38	1	0.074	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	12.2	1	0.069	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	6.83	1	0.081	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	38.6	1	0.057	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	6.2	1	0.092	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	1.51	1	0.073	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	70.2	1	0.065	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	1.65	1	0.089	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	0.501	1	0.103	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	1.16	1	0.049	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	3.86	1	0.118	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	0.975	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	2.39	1	0.085	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	10.7	1	0.154	0.5	Total		O-49060	13-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	4.27	1	0.056	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	18.3	1	0.168	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	2.45	1	0.164	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.658	1	0.093	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	0.671	1	0.104	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	4.46	1	0.155	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	0.808	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119197-R1	**SSB-NSDB-C3-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.112	1	0.023	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.391	1	0.036	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.537	1	0.012	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.542	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.0713	1	0.023	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.272	1	0.021	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.139	1	0.018	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.309	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 099	EPA 8270E	ng/wet g	2.72	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 105	EPA 8270E	ng/wet g	1.05	1	0.047	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.61	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 118	EPA 8270E	ng/wet g	2.76	1	0.069	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 128	EPA 8270E	ng/wet g	1.52	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 138	EPA 8270E	ng/wet g	10.3	1	0.057	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 149	EPA 8270E	ng/wet g	1.06	1	0.092	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.509	1	0.073	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 153	EPA 8270E	ng/wet g	16.1	1	0.065	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 156	EPA 8270E	ng/wet g	1.01	1	0.089	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.303	1	0.049	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 170	EPA 8270E	ng/wet g	0.481	1	0.118	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.77	1	0.085	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 180	EPA 8270E	ng/wet g	3.59	1	0.154	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	1.23	1	0.056	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 187	EPA 8270E	ng/wet g	4.68	1	0.168	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.392	1	0.164	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.247	1	0.093	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 206	EPA 8270E	ng/wet g	0.824	1	0.155	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 209	EPA 8270E	ng/wet g	0.417	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119198-R1	**SSB-NSDB-C3-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.681	1	0.023	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 049	EPA 8270E	ng/wet g	2.67	1	0.036	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 052	EPA 8270E	ng/wet g	2.69	1	0.012	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	0.405	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 066	EPA 8270E	ng/wet g	3.4	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.345	1	0.023	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 074	EPA 8270E	ng/wet g	1.7	1	0.021	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.901	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 095	EPA 8270E	ng/wet g	1.57	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 099	EPA 8270E	ng/wet g	13.6	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	11.5	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 105	EPA 8270E	ng/wet g	4.81	1	0.047	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 110	EPA 8270E	ng/wet g	3.02	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 118	EPA 8270E	ng/wet g	14.5	1	0.069	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 128	EPA 8270E	ng/wet g	7.85	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 138	EPA 8270E	ng/wet g	50.6	1	0.057	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 149	EPA 8270E	ng/wet g	5.06	1	0.092	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 151	EPA 8270E	ng/wet g	2.05	1	0.073	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 153	EPA 8270E	ng/wet g	77.6	1	0.065	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 156	EPA 8270E	ng/wet g	3.44	1	0.089	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 157	EPA 8270E	ng/wet g	0.751	1	0.103	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 167	EPA 8270E	ng/wet g	1.74	1	0.049	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 170	EPA 8270E	ng/wet g	7.74	1	0.118	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 174	EPA 8270E	ng/wet g	1.16	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 177	EPA 8270E	ng/wet g	3.77	1	0.085	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 180	EPA 8270E	ng/wet g	17.6	1	0.154	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	5.78	1	0.056	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 187	EPA 8270E	ng/wet g	21.3	1	0.168	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 194	EPA 8270E	ng/wet g	3.26	1	0.164	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.713	1	0.093	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 201	EPA 8270E	ng/wet g	0.521	1	0.104	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 206	EPA 8270E	ng/wet g	1.75	1	0.155	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 209	EPA 8270E	ng/wet g	0.384	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119199-R1	**JS-NSDB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 044	EPA 8270E	ng/wet g	0.203	1	0.028	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.46	1	0.036	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.831	1	0.012	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.713	1	0.027	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.339	1	0.023	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.405	1	0.021	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.169	1	0.018	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.724	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49060	13-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 105	EPA 8270E	ng/wet g	0.963	1	0.047	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 110	EPA 8270E	ng/wet g	1.06	1	0.074	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 118	EPA 8270E	ng/wet g	1.68	1	0.069	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.646	1	0.081	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 138	EPA 8270E	ng/wet g	6.37	1	0.057	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 149	EPA 8270E	ng/wet g	1.13	1	0.092	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.485	1	0.073	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 153	EPA 8270E	ng/wet g	7.36	1	0.065	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.387	1	0.089	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 174	EPA 8270E	ng/wet g	0.31	1	0.25	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.346	1	0.085	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 180	EPA 8270E	ng/wet g	1.35	1	0.154	0.5	Total		O-49060	13-Jan-25	17-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	0.616	1	0.056	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 187	EPA 8270E	ng/wet g	1.9	1	0.168	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.32	1	0.164	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 201	EPA 8270E	ng/wet g	0.143	1	0.104	0.5	Total	J	O-49060	13-Jan-25	17-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 206	EPA 8270E	ng/wet g	1.57	1	0.155	0.5	Total		O-49060	13-Jan-25	17-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119200-R1	**JS-NSDB-C1-ER Offal**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 029	EPA 8270E	ng/wet g	0.858	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 044	EPA 8270E	ng/wet g	1.76	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 049	EPA 8270E	ng/wet g	2.74	1	0.036	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 052	EPA 8270E	ng/wet g	4.15	1	0.012	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 066	EPA 8270E	ng/wet g	4.52	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 070	EPA 8270E	ng/wet g	1.59	1	0.023	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 077	EPA 8270E	ng/wet g	1.54	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 095	EPA 8270E	ng/wet g	3.56	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 099	EPA 8270E	ng/wet g	6.59	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	9.09	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 110	EPA 8270E	ng/wet g	4.94	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 118	EPA 8270E	ng/wet g	ND	1	0.069	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 128	EPA 8270E	ng/wet g	4.91	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 138	EPA 8270E	ng/wet g	22.7	1	0.057	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 149	EPA 8270E	ng/wet g	6.07	1	0.092	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 151	EPA 8270E	ng/wet g	1.87	1	0.073	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 153	EPA 8270E	ng/wet g	27.7	1	0.065	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.757	1	0.089	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 170	EPA 8270E	ng/wet g	1.79	1	0.118	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 174	EPA 8270E	ng/wet g	1.95	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 177	EPA 8270E	ng/wet g	2	1	0.085	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 180	EPA 8270E	ng/wet g	5.71	1	0.154	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	1.93	1	0.056	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 187	EPA 8270E	ng/wet g	6.76	1	0.168	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.925	1	0.164	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 201	EPA 8270E	ng/wet g	0.218	1	0.104	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 206	EPA 8270E	ng/wet g	14.2	1	0.155	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 209	EPA 8270E	ng/wet g	0.399	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119201-R1	**JS-NSDB-C2-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 044	EPA 8270E	ng/wet g	0.102	1	0.028	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.297	1	0.036	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.394	1	0.012	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.502	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.185	1	0.023	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.239	1	0.021	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.545	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.609	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 099	EPA 8270E	ng/wet g	1.7	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	1.92	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 105	EPA 8270E	ng/wet g	0.693	1	0.047	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.816	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 118	EPA 8270E	ng/wet g	1.79	1	0.069	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.769	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 138	EPA 8270E	ng/wet g	7.36	1	0.057	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 149	EPA 8270E	ng/wet g	1.39	1	0.092	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.494	1	0.073	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 153	EPA 8270E	ng/wet g	9.54	1	0.065	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.244	1	0.089	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.122	1	0.049	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 170	EPA 8270E	ng/wet g	0.617	1	0.118	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.526	1	0.085	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 180	EPA 8270E	ng/wet g	2.25	1	0.154	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	0.508	1	0.056	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 187	EPA 8270E	ng/wet g	2.53	1	0.168	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.321	1	0.164	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 206	EPA 8270E	ng/wet g	3.17	1	0.155	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119202-R1	**TS-NSDB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.465	1	0.023	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 044	EPA 8270E	ng/wet g	0.383	1	0.028	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 049	EPA 8270E	ng/wet g	1.29	1	0.036	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 052	EPA 8270E	ng/wet g	1.34	1	0.012	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	0.466	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 066	EPA 8270E	ng/wet g	1.87	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.855	1	0.023	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.645	1	0.021	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.402	1	0.018	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 095	EPA 8270E	ng/wet g	1.35	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 099	EPA 8270E	ng/wet g	4.19	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	4.37	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 105	EPA 8270E	ng/wet g	1.99	1	0.047	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 110	EPA 8270E	ng/wet g	1.86	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 118	EPA 8270E	ng/wet g	4.68	1	0.069	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 128	EPA 8270E	ng/wet g	2.76	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 138	EPA 8270E	ng/wet g	16.6	1	0.057	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 149	EPA 8270E	ng/wet g	2.75	1	0.092	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.95	1	0.073	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 153	EPA 8270E	ng/wet g	24.2	1	0.065	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 156	EPA 8270E	ng/wet g	1.01	1	0.089	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.759	1	0.049	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 170	EPA 8270E	ng/wet g	2.46	1	0.118	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 174	EPA 8270E	ng/wet g	0.569	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 177	EPA 8270E	ng/wet g	1.98	1	0.085	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 180	EPA 8270E	ng/wet g	6.05	1	0.154	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	1.76	1	0.056	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 187	EPA 8270E	ng/wet g	7.89	1	0.168	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.881	1	0.164	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.202	1	0.093	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 201	EPA 8270E	ng/wet g	0.148	1	0.104	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119203-R1	**TS-NSDB-C1-ER Offal**		**Matrix: Tissue**					**Sampled: 15-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 028	EPA 8270E	ng/wet g	4.83	1	0.023	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 031	EPA 8270E	ng/wet g	3.09	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 044	EPA 8270E	ng/wet g	3.36	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 049	EPA 8270E	ng/wet g	10.7	1	0.036	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 052	EPA 8270E	ng/wet g	13.1	1	0.012	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	3.85	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 066	EPA 8270E	ng/wet g	16.3	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 070	EPA 8270E	ng/wet g	6.03	1	0.023	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 074	EPA 8270E	ng/wet g	6.42	1	0.021	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 077	EPA 8270E	ng/wet g	1.28	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 095	EPA 8270E	ng/wet g	12.5	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 099	EPA 8270E	ng/wet g	36.7	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	37.8	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 105	EPA 8270E	ng/wet g	17.6	1	0.047	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 110	EPA 8270E	ng/wet g	15.3	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 118	EPA 8270E	ng/wet g	43.7	1	0.069	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 128	EPA 8270E	ng/wet g	28.4	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 138	EPA 8270E	ng/wet g	177	1	0.057	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 149	EPA 8270E	ng/wet g	24.5	1	0.092	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 151	EPA 8270E	ng/wet g	8.42	1	0.073	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 153	EPA 8270E	ng/wet g	261	1	0.065	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 156	EPA 8270E	ng/wet g	10.9	1	0.089	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 157	EPA 8270E	ng/wet g	2.34	1	0.103	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 167	EPA 8270E	ng/wet g	8.07	1	0.049	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 170	EPA 8270E	ng/wet g	19.2	1	0.118	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 174	EPA 8270E	ng/wet g	8.63	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 177	EPA 8270E	ng/wet g	17.6	1	0.085	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 180	EPA 8270E	ng/wet g	48.9	1	0.154	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	18.9	1	0.056	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 187	EPA 8270E	ng/wet g	69.2	1	0.168	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 194	EPA 8270E	ng/wet g	6.84	1	0.164	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 195	EPA 8270E	ng/wet g	4.53	1	0.093	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 199	EPA 8270E	ng/wet g	13.6	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 201	EPA 8270E	ng/wet g	2.18	1	0.104	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 206	EPA 8270E	ng/wet g	24.4	1	0.155	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 209	EPA 8270E	ng/wet g	1.95	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119204-R1	**TS-NSDB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 15-Sep-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.834	1	0.023	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 029	EPA 8270E	ng/wet g	0.353	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 031	EPA 8270E	ng/wet g	0.493	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 044	EPA 8270E	ng/wet g	0.979	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 049	EPA 8270E	ng/wet g	2.8	1	0.036	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 052	EPA 8270E	ng/wet g	3.57	1	0.012	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	1.48	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 066	EPA 8270E	ng/wet g	3.73	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 070	EPA 8270E	ng/wet g	1.73	1	0.023	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 074	EPA 8270E	ng/wet g	1.54	1	0.021	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 077	EPA 8270E	ng/wet g	1.12	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 095	EPA 8270E	ng/wet g	3.61	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 099	EPA 8270E	ng/wet g	11.3	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	12.5	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 105	EPA 8270E	ng/wet g	3.3	1	0.047	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 110	EPA 8270E	ng/wet g	4.98	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 118	EPA 8270E	ng/wet g	11	1	0.069	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 128	EPA 8270E	ng/wet g	5.36	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 138	EPA 8270E	ng/wet g	33.1	1	0.057	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 149	EPA 8270E	ng/wet g	8.04	1	0.092	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 151	EPA 8270E	ng/wet g	3.09	1	0.073	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 153	EPA 8270E	ng/wet g	45.1	1	0.065	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 156	EPA 8270E	ng/wet g	1.34	1	0.089	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 167	EPA 8270E	ng/wet g	1.12	1	0.049	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 170	EPA 8270E	ng/wet g	2.11	1	0.118	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 174	EPA 8270E	ng/wet g	1.87	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 177	EPA 8270E	ng/wet g	3.32	1	0.085	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 180	EPA 8270E	ng/wet g	7.5	1	0.154	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	3.22	1	0.056	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 187	EPA 8270E	ng/wet g	12.5	1	0.168	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 189	EPA 8270E	ng/wet g	0.278	1	0.109	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.421	1	0.164	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.636	1	0.093	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 201	EPA 8270E	ng/wet g	0.265	1	0.104	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 206	EPA 8270E	ng/wet g	2.71	1	0.155	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 209	EPA 8270E	ng/wet g	0.27	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119205-R1	**CAH-NSDB-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.98	1	0.036	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 052	EPA 8270E	ng/wet g	1.18	1	0.012	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	0.368	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 066	EPA 8270E	ng/wet g	1.19	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.0834	1	0.023	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.3	1	0.021	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.334	1	0.018	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.719	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 099	EPA 8270E	ng/wet g	6.54	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	7.79	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 105	EPA 8270E	ng/wet g	2.31	1	0.047	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 110	EPA 8270E	ng/wet g	2.63	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 118	EPA 8270E	ng/wet g	5.43	1	0.069	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 128	EPA 8270E	ng/wet g	4.43	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 138	EPA 8270E	ng/wet g	25	1	0.057	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 149	EPA 8270E	ng/wet g	4.65	1	0.092	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 151	EPA 8270E	ng/wet g	1.64	1	0.073	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 153	EPA 8270E	ng/wet g	35.5	1	0.065	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 156	EPA 8270E	ng/wet g	1.82	1	0.089	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 157	EPA 8270E	ng/wet g	0.346	1	0.103	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.535	1	0.049	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 170	EPA 8270E	ng/wet g	2.19	1	0.118	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 174	EPA 8270E	ng/wet g	0.968	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 177	EPA 8270E	ng/wet g	1.14	1	0.085	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 180	EPA 8270E	ng/wet g	7.34	1	0.154	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
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PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	3.05	1	0.056	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 187	EPA 8270E	ng/wet g	11.8	1	0.168	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.528	1	0.164	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 195	EPA 8270E	ng/wet g	1.41	1	0.093	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 201	EPA 8270E	ng/wet g	0.235	1	0.104	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 209	EPA 8270E	ng/wet g	0.428	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119206-R1	**QF-NSDB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.618	1	0.023	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 044	EPA 8270E	ng/wet g	0.532	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 049	EPA 8270E	ng/wet g	2.31	1	0.036	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 052	EPA 8270E	ng/wet g	2.52	1	0.012	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	0.721	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 066	EPA 8270E	ng/wet g	2.81	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 070	EPA 8270E	ng/wet g	1.01	1	0.023	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 074	EPA 8270E	ng/wet g	1.04	1	0.021	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.876	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 095	EPA 8270E	ng/wet g	2.9	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 099	EPA 8270E	ng/wet g	8.08	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
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PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	13.2	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 105	EPA 8270E	ng/wet g	2.53	1	0.047	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 110	EPA 8270E	ng/wet g	4.66	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 118	EPA 8270E	ng/wet g	7.28	1	0.069	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 128	EPA 8270E	ng/wet g	4.14	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 138	EPA 8270E	ng/wet g	28.2	1	0.057	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 149	EPA 8270E	ng/wet g	7.15	1	0.092	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 151	EPA 8270E	ng/wet g	2.12	1	0.073	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 153	EPA 8270E	ng/wet g	37.2	1	0.065	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 156	EPA 8270E	ng/wet g	1.6	1	0.089	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 157	EPA 8270E	ng/wet g	0.229	1	0.103	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.663	1	0.049	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 170	EPA 8270E	ng/wet g	1.62	1	0.118	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 174	EPA 8270E	ng/wet g	1.77	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 177	EPA 8270E	ng/wet g	2.35	1	0.085	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 180	EPA 8270E	ng/wet g	5.55	1	0.154	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
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PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	2.33	1	0.056	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 187	EPA 8270E	ng/wet g	10.2	1	0.168	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.627	1	0.164	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.65	1	0.093	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 201	EPA 8270E	ng/wet g	0.13	1	0.104	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 206	EPA 8270E	ng/wet g	3.46	1	0.155	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 209	EPA 8270E	ng/wet g	0.251	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119207-R1	**BSB-NSDB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.91	1	0.023	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 049	EPA 8270E	ng/wet g	3.14	1	0.036	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 052	EPA 8270E	ng/wet g	3.14	1	0.012	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	0.934	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 066	EPA 8270E	ng/wet g	4.01	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.491	1	0.023	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 074	EPA 8270E	ng/wet g	1.31	1	0.021	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.702	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 095	EPA 8270E	ng/wet g	2.96	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 099	EPA 8270E	ng/wet g	14.1	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	13.2	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 105	EPA 8270E	ng/wet g	3.41	1	0.047	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 110	EPA 8270E	ng/wet g	3.8	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 118	EPA 8270E	ng/wet g	10.1	1	0.069	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 128	EPA 8270E	ng/wet g	6.86	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 138	EPA 8270E	ng/wet g	39.2	1	0.057	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 149	EPA 8270E	ng/wet g	7.79	1	0.092	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 151	EPA 8270E	ng/wet g	2.68	1	0.073	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 153	EPA 8270E	ng/wet g	61.3	1	0.065	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 156	EPA 8270E	ng/wet g	1.88	1	0.089	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 157	EPA 8270E	ng/wet g	0.484	1	0.103	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.869	1	0.049	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 170	EPA 8270E	ng/wet g	4.29	1	0.118	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 174	EPA 8270E	ng/wet g	1.85	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 177	EPA 8270E	ng/wet g	3.35	1	0.085	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 180	EPA 8270E	ng/wet g	10.2	1	0.154	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	3.84	1	0.056	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 187	EPA 8270E	ng/wet g	16.7	1	0.168	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 189	EPA 8270E	ng/wet g	0.343	1	0.109	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 194	EPA 8270E	ng/wet g	1.45	1	0.164	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.611	1	0.093	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 201	EPA 8270E	ng/wet g	0.475	1	0.104	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 206	EPA 8270E	ng/wet g	3.66	1	0.155	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 209	EPA 8270E	ng/wet g	0.475	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119208-R1	**SSP-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.711	1	0.023	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 044	EPA 8270E	ng/wet g	0.627	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 049	EPA 8270E	ng/wet g	3.05	1	0.036	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 052	EPA 8270E	ng/wet g	3.4	1	0.012	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	0.436	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 066	EPA 8270E	ng/wet g	3.37	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 070	EPA 8270E	ng/wet g	1.65	1	0.023	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 074	EPA 8270E	ng/wet g	1.36	1	0.021	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 077	EPA 8270E	ng/wet g	1.15	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 095	EPA 8270E	ng/wet g	2.38	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 099	EPA 8270E	ng/wet g	15.9	1	0.028	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	14.9	1	0.027	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 105	EPA 8270E	ng/wet g	3.33	1	0.047	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 110	EPA 8270E	ng/wet g	3.19	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 118	EPA 8270E	ng/wet g	12	1	0.069	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 128	EPA 8270E	ng/wet g	7.03	1	0.081	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 138	EPA 8270E	ng/wet g	45	1	0.057	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 149	EPA 8270E	ng/wet g	5.97	1	0.092	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 151	EPA 8270E	ng/wet g	2.67	1	0.073	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 153	EPA 8270E	ng/wet g	67.7	1	0.065	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 156	EPA 8270E	ng/wet g	2.03	1	0.089	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 157	EPA 8270E	ng/wet g	0.501	1	0.103	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 167	EPA 8270E	ng/wet g	1.67	1	0.049	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 170	EPA 8270E	ng/wet g	3.88	1	0.118	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 174	EPA 8270E	ng/wet g	0.463	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 177	EPA 8270E	ng/wet g	5.73	1	0.085	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 180	EPA 8270E	ng/wet g	11.2	1	0.154	0.5	Total		O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	4.57	1	0.056	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 187	EPA 8270E	ng/wet g	18.8	1	0.168	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 189	EPA 8270E	ng/wet g	0.311	1	0.109	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 194	EPA 8270E	ng/wet g	1.13	1	0.164	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.431	1	0.093	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 201	EPA 8270E	ng/wet g	0.541	1	0.104	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 206	EPA 8270E	ng/wet g	2.61	1	0.155	0.5	Total		O-49060	13-Jan-25	18-Jan-25
PCB 209	EPA 8270E	ng/wet g	0.424	1	0.25	0.5	Total	J	O-49060	13-Jan-25	18-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119209-R1	**SSP-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received: 17-Jun-24**	
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.644	1	0.023	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 049	EPA 8270E	ng/wet g	3.54	1	0.036	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 052	EPA 8270E	ng/wet g	3.02	1	0.012	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	0.413	1	0.25	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 066	EPA 8270E	ng/wet g	4.45	1	0.027	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.459	1	0.023	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 074	EPA 8270E	ng/wet g	1.68	1	0.021	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.968	1	0.018	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 095	EPA 8270E	ng/wet g	1.89	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 099	EPA 8270E	ng/wet g	19.3	1	0.028	0.5	Total		O-49060	13-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	14.8	1	0.027	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 105	EPA 8270E	ng/wet g	4.55	1	0.047	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 110	EPA 8270E	ng/wet g	2.8	1	0.074	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 118	EPA 8270E	ng/wet g	15.8	1	0.069	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 128	EPA 8270E	ng/wet g	9.78	1	0.081	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 138	EPA 8270E	ng/wet g	55.1	1	0.057	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 149	EPA 8270E	ng/wet g	7.36	1	0.092	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 151	EPA 8270E	ng/wet g	2.39	1	0.073	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 153	EPA 8270E	ng/wet g	94.1	1	0.065	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 156	EPA 8270E	ng/wet g	3.15	1	0.089	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 157	EPA 8270E	ng/wet g	0.933	1	0.103	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 167	EPA 8270E	ng/wet g	1.89	1	0.049	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 170	EPA 8270E	ng/wet g	6.45	1	0.118	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 174	EPA 8270E	ng/wet g	1.21	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 177	EPA 8270E	ng/wet g	3.47	1	0.085	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 180	EPA 8270E	ng/wet g	15	1	0.154	0.5	Total		O-49060	13-Jan-25	19-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	6.31	1	0.056	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 187	EPA 8270E	ng/wet g	25.7	1	0.168	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 189	EPA 8270E	ng/wet g	0.326	1	0.109	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 194	EPA 8270E	ng/wet g	3.03	1	0.164	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 195	EPA 8270E	ng/wet g	1.11	1	0.093	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 199	EPA 8270E	ng/wet g	3.62	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 201	EPA 8270E	ng/wet g	1.06	1	0.104	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 206	EPA 8270E	ng/wet g	2.79	1	0.155	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 209	EPA 8270E	ng/wet g	0.495	1	0.25	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119210-R1	**YFC-SSDB-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received: 17-Jun-24**	
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.737	1	0.036	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.627	1	0.012	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 066	EPA 8270E	ng/wet g	1.02	1	0.027	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.104	1	0.023	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.293	1	0.021	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.697	1	0.018	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.549	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 099	EPA 8270E	ng/wet g	3.56	1	0.028	0.5	Total		O-49060	13-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	2.5	1	0.027	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 105	EPA 8270E	ng/wet g	0.83	1	0.047	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 110	EPA 8270E	ng/wet g	1.15	1	0.074	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 118	EPA 8270E	ng/wet g	2.82	1	0.069	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 128	EPA 8270E	ng/wet g	2	1	0.081	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 138	EPA 8270E	ng/wet g	9.2	1	0.057	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 149	EPA 8270E	ng/wet g	1.62	1	0.092	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.629	1	0.073	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 153	EPA 8270E	ng/wet g	15	1	0.065	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.401	1	0.089	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 157	EPA 8270E	ng/wet g	0.103	1	0.103	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.197	1	0.049	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 170	EPA 8270E	ng/wet g	0.923	1	0.118	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 174	EPA 8270E	ng/wet g	0.328	1	0.25	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.699	1	0.085	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 180	EPA 8270E	ng/wet g	1.84	1	0.154	0.5	Total		O-49060	13-Jan-25	19-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	1.2	1	0.056	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 187	EPA 8270E	ng/wet g	3.54	1	0.168	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.218	1	0.093	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 206	EPA 8270E	ng/wet g	3.55	1	0.155	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119211-R1	**BC-SSDB-C1-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.355	1	0.036	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.32	1	0.012	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.553	1	0.027	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 077	EPA 8270E	ng/wet g	0.0885	1	0.018	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.373	1	0.25	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 099	EPA 8270E	ng/wet g	2.29	1	0.028	0.5	Total		O-49060	13-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	1.7	1	0.027	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 105	EPA 8270E	ng/wet g	0.755	1	0.047	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.551	1	0.074	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 118	EPA 8270E	ng/wet g	1.73	1	0.069	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 128	EPA 8270E	ng/wet g	1.07	1	0.081	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 138	EPA 8270E	ng/wet g	7.56	1	0.057	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 149	EPA 8270E	ng/wet g	1.1	1	0.092	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.191	1	0.073	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 153	EPA 8270E	ng/wet g	13.3	1	0.065	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.116	1	0.089	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 170	EPA 8270E	ng/wet g	0.608	1	0.118	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 177	EPA 8270E	ng/wet g	0.273	1	0.085	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 180	EPA 8270E	ng/wet g	2.02	1	0.154	0.5	Total		O-49060	13-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	0.983	1	0.056	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 187	EPA 8270E	ng/wet g	3.13	1	0.168	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 189	EPA 8270E	ng/wet g	0.285	1	0.109	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.385	1	0.164	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.0937	1	0.093	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 209	EPA 8270E	ng/wet g	0.887	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119212-R1	**BC-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 028	EPA 8270E	ng/wet g	0.854	1	0.023	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 044	EPA 8270E	ng/wet g	0.931	1	0.028	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 049	EPA 8270E	ng/wet g	3.94	1	0.036	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 052	EPA 8270E	ng/wet g	3.24	1	0.012	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	1.01	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 066	EPA 8270E	ng/wet g	4.33	1	0.027	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.862	1	0.023	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 074	EPA 8270E	ng/wet g	1.33	1	0.021	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 077	EPA 8270E	ng/wet g	1.27	1	0.018	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 095	EPA 8270E	ng/wet g	3.33	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 099	EPA 8270E	ng/wet g	17.7	1	0.028	0.5	Total		O-49060	13-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	15.2	1	0.027	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 105	EPA 8270E	ng/wet g	3.79	1	0.047	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 110	EPA 8270E	ng/wet g	4.33	1	0.074	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 118	EPA 8270E	ng/wet g	13	1	0.069	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 128	EPA 8270E	ng/wet g	8.56	1	0.081	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 138	EPA 8270E	ng/wet g	53.4	1	0.057	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 149	EPA 8270E	ng/wet g	9.96	1	0.092	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 151	EPA 8270E	ng/wet g	2.77	1	0.073	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 153	EPA 8270E	ng/wet g	86.5	1	0.065	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 156	EPA 8270E	ng/wet g	2.69	1	0.089	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 157	EPA 8270E	ng/wet g	0.842	1	0.103	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 167	EPA 8270E	ng/wet g	4.08	1	0.049	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 170	EPA 8270E	ng/wet g	5.52	1	0.118	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 174	EPA 8270E	ng/wet g	2.09	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 177	EPA 8270E	ng/wet g	4.44	1	0.085	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 180	EPA 8270E	ng/wet g	13.6	1	0.154	0.5	Total		O-49060	13-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	5.49	1	0.056	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 187	EPA 8270E	ng/wet g	26.8	1	0.168	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 189	EPA 8270E	ng/wet g	0.203	1	0.109	0.5	Total	J	O-49060	13-Jan-25	19-Jan-25
PCB 194	EPA 8270E	ng/wet g	3.05	1	0.164	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 195	EPA 8270E	ng/wet g	0.897	1	0.093	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 199	EPA 8270E	ng/wet g	4.01	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 201	EPA 8270E	ng/wet g	0.956	1	0.104	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 206	EPA 8270E	ng/wet g	5.11	1	0.155	0.5	Total		O-49060	13-Jan-25	19-Jan-25
PCB 209	EPA 8270E	ng/wet g	0.56	1	0.25	0.5	Total		O-49060	13-Jan-25	19-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119213-R1	**SSB-SSDB-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.622	1	0.036	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.587	1	0.012	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.67	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.23	1	0.021	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 095	EPA 8270E	ng/wet g	0.268	1	0.25	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 099	EPA 8270E	ng/wet g	4.48	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	3.23	1	0.027	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 105	EPA 8270E	ng/wet g	0.813	1	0.047	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.59	1	0.074	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 118	EPA 8270E	ng/wet g	3.45	1	0.069	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 128	EPA 8270E	ng/wet g	2.19	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 138	EPA 8270E	ng/wet g	12.1	1	0.057	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 149	EPA 8270E	ng/wet g	1.06	1	0.092	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.18	1	0.073	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25
PCB 153	EPA 8270E	ng/wet g	24.3	1	0.065	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.279	1	0.089	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 158	EPA 8270E	ng/wet g	0.842	1	0.074	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.185	1	0.049	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 170	EPA 8270E	ng/wet g	1.55	1	0.118	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 180	EPA 8270E	ng/wet g	3.34	1	0.154	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	1.67	1	0.056	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 187	EPA 8270E	ng/wet g	7.41	1	0.168	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.493	1	0.164	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119214-R1	**SSB-SSDB-C1-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 028	EPA 8270E	ng/wet g	1.2	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 049	EPA 8270E	ng/wet g	7.31	1	0.036	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 052	EPA 8270E	ng/wet g	6.17	1	0.012	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 070	EPA 8270E	ng/wet g	6.95	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 074	EPA 8270E	ng/wet g	2.32	1	0.021	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 077	EPA 8270E	ng/wet g	1.05	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 087	EPA 8270E	ng/wet g	3.5	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 095	EPA 8270E	ng/wet g	2.91	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 099	EPA 8270E	ng/wet g	40.6	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	27.2	1	0.027	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 105	EPA 8270E	ng/wet g	9.57	1	0.047	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 110	EPA 8270E	ng/wet g	3.76	1	0.074	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 118	EPA 8270E	ng/wet g	28.4	1	0.069	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 128	EPA 8270E	ng/wet g	16.3	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	2.2	1	0.094	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 138	EPA 8270E	ng/wet g	120	1	0.057	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 149	EPA 8270E	ng/wet g	10.8	1	0.092	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 151	EPA 8270E	ng/wet g	2.28	1	0.073	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 153	EPA 8270E	ng/wet g	244	1	0.065	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 156	EPA 8270E	ng/wet g	5.3	1	0.089	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 158	EPA 8270E	ng/wet g	4.56	1	0.074	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 167	EPA 8270E	ng/wet g	3.61	1	0.049	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 170	EPA 8270E	ng/wet g	13.8	1	0.118	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 177	EPA 8270E	ng/wet g	3.56	1	0.085	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 180	EPA 8270E	ng/wet g	26.2	1	0.154	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	15.4	1	0.056	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 187	EPA 8270E	ng/wet g	56.5	1	0.168	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 194	EPA 8270E	ng/wet g	7.09	1	0.164	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 199	EPA 8270E	ng/wet g	4.57	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 201	EPA 8270E	ng/wet g	2	1	0.104	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119215-R1	**SSB-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 028	EPA 8270E	ng/wet g	1.27	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 044	EPA 8270E	ng/wet g	0.782	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 049	EPA 8270E	ng/wet g	5.26	1	0.036	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 052	EPA 8270E	ng/wet g	4.65	1	0.012	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 066	EPA 8270E	ng/wet g	1.71	1	0.027	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 070	EPA 8270E	ng/wet g	5.23	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 074	EPA 8270E	ng/wet g	1.51	1	0.021	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 087	EPA 8270E	ng/wet g	2.12	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 095	EPA 8270E	ng/wet g	4.52	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 099	EPA 8270E	ng/wet g	18.2	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	17.3	1	0.027	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 105	EPA 8270E	ng/wet g	5.12	1	0.047	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 110	EPA 8270E	ng/wet g	3.71	1	0.074	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 118	EPA 8270E	ng/wet g	11	1	0.069	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 128	EPA 8270E	ng/wet g	5.1	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	2.41	1	0.094	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 138	EPA 8270E	ng/wet g	44.9	1	0.057	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 149	EPA 8270E	ng/wet g	5.79	1	0.092	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 151	EPA 8270E	ng/wet g	2.89	1	0.073	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 153	EPA 8270E	ng/wet g	71.1	1	0.065	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 156	EPA 8270E	ng/wet g	1.41	1	0.089	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 158	EPA 8270E	ng/wet g	2.43	1	0.074	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 167	EPA 8270E	ng/wet g	0.69	1	0.049	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 170	EPA 8270E	ng/wet g	2.85	1	0.118	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 177	EPA 8270E	ng/wet g	4.2	1	0.085	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 180	EPA 8270E	ng/wet g	6.06	1	0.154	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	3.92	1	0.056	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 187	EPA 8270E	ng/wet g	17.3	1	0.168	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119216-R1	**SSB-SSDB-C3-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 29-Jan-24**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 049	EPA 8270E	ng/wet g	0.572	1	0.036	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 052	EPA 8270E	ng/wet g	0.437	1	0.012	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 070	EPA 8270E	ng/wet g	0.643	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.168	1	0.021	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 087	EPA 8270E	ng/wet g	0.604	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 099	EPA 8270E	ng/wet g	3.36	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	1.56	1	0.027	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 105	EPA 8270E	ng/wet g	0.85	1	0.047	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 110	EPA 8270E	ng/wet g	0.427	1	0.074	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 118	EPA 8270E	ng/wet g	2.81	1	0.069	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 128	EPA 8270E	ng/wet g	0.784	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 138	EPA 8270E	ng/wet g	7.17	1	0.057	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 149	EPA 8270E	ng/wet g	0.373	1	0.092	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 153	EPA 8270E	ng/wet g	16.2	1	0.065	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 156	EPA 8270E	ng/wet g	0.31	1	0.089	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 158	EPA 8270E	ng/wet g	0.188	1	0.074	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 170	EPA 8270E	ng/wet g	0.845	1	0.118	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 180	EPA 8270E	ng/wet g	1.53	1	0.154	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	0.797	1	0.056	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 187	EPA 8270E	ng/wet g	2.81	1	0.168	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 194	EPA 8270E	ng/wet g	0.341	1	0.164	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119217-R1	**SSB-SSDB-C3-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 29-Jan-24**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 028	EPA 8270E	ng/wet g	1.15	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 049	EPA 8270E	ng/wet g	6.84	1	0.036	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 052	EPA 8270E	ng/wet g	3.93	1	0.012	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 070	EPA 8270E	ng/wet g	6.04	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 074	EPA 8270E	ng/wet g	2.43	1	0.021	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 087	EPA 8270E	ng/wet g	2.01	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 095	EPA 8270E	ng/wet g	1.74	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 099	EPA 8270E	ng/wet g	28.2	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	16.9	1	0.027	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 105	EPA 8270E	ng/wet g	6.2	1	0.047	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 110	EPA 8270E	ng/wet g	3.07	1	0.074	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 118	EPA 8270E	ng/wet g	18.8	1	0.069	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 128	EPA 8270E	ng/wet g	8.55	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 138	EPA 8270E	ng/wet g	79.7	1	0.057	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 149	EPA 8270E	ng/wet g	6.23	1	0.092	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 151	EPA 8270E	ng/wet g	0.961	1	0.073	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 153	EPA 8270E	ng/wet g	192	1	0.065	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 158	EPA 8270E	ng/wet g	1.41	1	0.074	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 167	EPA 8270E	ng/wet g	2.79	1	0.049	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 170	EPA 8270E	ng/wet g	9.17	1	0.118	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 180	EPA 8270E	ng/wet g	12.9	1	0.154	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	10.1	1	0.056	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 187	EPA 8270E	ng/wet g	31.6	1	0.168	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 194	EPA 8270E	ng/wet g	3.77	1	0.164	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119218-R1	**BSB-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 028	EPA 8270E	ng/wet g	1.56	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 031	EPA 8270E	ng/wet g	0.618	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 049	EPA 8270E	ng/wet g	5.44	1	0.036	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 052	EPA 8270E	ng/wet g	2.97	1	0.012	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.693	1	0.027	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 070	EPA 8270E	ng/wet g	4.4	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.936	1	0.021	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 095	EPA 8270E	ng/wet g	3.41	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 097	EPA 8270E	ng/wet g	1.65	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 099	EPA 8270E	ng/wet g	18.4	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	10.4	1	0.027	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 105	EPA 8270E	ng/wet g	7.02	1	0.047	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 110	EPA 8270E	ng/wet g	3.06	1	0.074	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 118	EPA 8270E	ng/wet g	8.68	1	0.069	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 123	EPA 8270E	ng/wet g	1.17	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 128	EPA 8270E	ng/wet g	3.32	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 138	EPA 8270E	ng/wet g	45.3	1	0.057	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 149	EPA 8270E	ng/wet g	8.04	1	0.092	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 151	EPA 8270E	ng/wet g	1.82	1	0.073	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 153	EPA 8270E	ng/wet g	107	1	0.065	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 158	EPA 8270E	ng/wet g	1.79	1	0.074	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 177	EPA 8270E	ng/wet g	4.34	1	0.085	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 180	EPA 8270E	ng/wet g	5.2	1	0.154	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	4.14	1	0.056	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 187	EPA 8270E	ng/wet g	9.34	1	0.168	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119219-R1	**BSB-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 028	EPA 8270E	ng/wet g	1.17	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 049	EPA 8270E	ng/wet g	5.09	1	0.036	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 052	EPA 8270E	ng/wet g	5.44	1	0.012	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.404	1	0.027	0.5	Total	J	O-49062	14-Jan-25	19-Jan-25
PCB 070	EPA 8270E	ng/wet g	4.23	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 074	EPA 8270E	ng/wet g	1.32	1	0.021	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 087	EPA 8270E	ng/wet g	1.48	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 095	EPA 8270E	ng/wet g	4.19	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 097	EPA 8270E	ng/wet g	2.77	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 099	EPA 8270E	ng/wet g	18.7	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	15.1	1	0.027	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 105	EPA 8270E	ng/wet g	7.01	1	0.047	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 110	EPA 8270E	ng/wet g	3.48	1	0.074	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 118	EPA 8270E	ng/wet g	7.55	1	0.069	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 123	EPA 8270E	ng/wet g	1.16	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 128	EPA 8270E	ng/wet g	4.38	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 138	EPA 8270E	ng/wet g	51.4	1	0.057	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 149	EPA 8270E	ng/wet g	8.75	1	0.092	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 151	EPA 8270E	ng/wet g	2.22	1	0.073	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 153	EPA 8270E	ng/wet g	84.1	1	0.065	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 158	EPA 8270E	ng/wet g	2.3	1	0.074	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 177	EPA 8270E	ng/wet g	4.84	1	0.085	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 180	EPA 8270E	ng/wet g	6.11	1	0.154	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	4.03	1	0.056	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 187	EPA 8270E	ng/wet g	14.3	1	0.168	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119220-R1	**PB-SSDB-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 29-Jan-24**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 049	EPA 8270E	ng/wet g	3.11	1	0.036	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 052	EPA 8270E	ng/wet g	4.35	1	0.012	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 070	EPA 8270E	ng/wet g	2.73	1	0.023	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.72	1	0.021	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 087	EPA 8270E	ng/wet g	2.09	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 095	EPA 8270E	ng/wet g	4.76	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 099	EPA 8270E	ng/wet g	8.96	1	0.028	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	10.6	1	0.027	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 110	EPA 8270E	ng/wet g	5.11	1	0.074	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 118	EPA 8270E	ng/wet g	6.4	1	0.069	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 138	EPA 8270E	ng/wet g	29.7	1	0.057	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 149	EPA 8270E	ng/wet g	5.32	1	0.092	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 151	EPA 8270E	ng/wet g	1.88	1	0.073	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 153	EPA 8270E	ng/wet g	59.7	1	0.065	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 158	EPA 8270E	ng/wet g	1.34	1	0.074	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 180	EPA 8270E	ng/wet g	8.06	1	0.154	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 187	EPA 8270E	ng/wet g	12.3	1	0.168	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49062	14-Jan-25	19-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119221-R1	**TS-SSDB-HH Carcass**		**Matrix: Tissue**				**Sampled: 29-Jan-24**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 049	EPA 8270E	ng/wet g	3.54	1	0.036	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 052	EPA 8270E	ng/wet g	4.77	1	0.012	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 066	EPA 8270E	ng/wet g	1.09	1	0.027	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 070	EPA 8270E	ng/wet g	3.23	1	0.023	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 074	EPA 8270E	ng/wet g	1.02	1	0.021	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 095	EPA 8270E	ng/wet g	5.74	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 099	EPA 8270E	ng/wet g	10.2	1	0.028	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	14.1	1	0.027	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 105	EPA 8270E	ng/wet g	ND	1	0.047	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 110	EPA 8270E	ng/wet g	3.84	1	0.074	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 118	EPA 8270E	ng/wet g	6.21	1	0.069	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 128	EPA 8270E	ng/wet g	7.09	1	0.081	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 138	EPA 8270E	ng/wet g	48.2	1	0.057	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 149	EPA 8270E	ng/wet g	7.98	1	0.092	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 151	EPA 8270E	ng/wet g	1.84	1	0.073	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 153	EPA 8270E	ng/wet g	78.3	1	0.065	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 177	EPA 8270E	ng/wet g	5.47	1	0.085	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 180	EPA 8270E	ng/wet g	7.89	1	0.154	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 187	EPA 8270E	ng/wet g	12.4	1	0.168	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119222-R1	**TS-SSDB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 29-Jan-24**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 049	EPA 8270E	ng/wet g	2.03	1	0.036	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 052	EPA 8270E	ng/wet g	3.56	1	0.012	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 066	EPA 8270E	ng/wet g	0.893	1	0.027	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 070	EPA 8270E	ng/wet g	1.85	1	0.023	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 074	EPA 8270E	ng/wet g	1.28	1	0.021	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 095	EPA 8270E	ng/wet g	3.05	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 099	EPA 8270E	ng/wet g	5.97	1	0.028	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	10.5	1	0.027	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 105	EPA 8270E	ng/wet g	7.51	1	0.047	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 110	EPA 8270E	ng/wet g	3.94	1	0.074	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 118	EPA 8270E	ng/wet g	ND	1	0.069	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 138	EPA 8270E	ng/wet g	13.2	1	0.057	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 149	EPA 8270E	ng/wet g	ND	1	0.092	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 153	EPA 8270E	ng/wet g	21.2	1	0.065	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 180	EPA 8270E	ng/wet g	ND	1	0.154	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 187	EPA 8270E	ng/wet g	4.97	1	0.168	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119223-R1	**RR-SSDB-HH Wings Only**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 049	EPA 8270E	ng/wet g	ND	1	0.036	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 052	EPA 8270E	ng/wet g	ND	1	0.012	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 070	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 074	EPA 8270E	ng/wet g	0.0881	1	0.021	0.5	Total	J	O-49062	14-Jan-25	20-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 095	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 099	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 105	EPA 8270E	ng/wet g	1.44	1	0.047	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 110	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 118	EPA 8270E	ng/wet g	ND	1	0.069	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 138	EPA 8270E	ng/wet g	ND	1	0.057	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 149	EPA 8270E	ng/wet g	ND	1	0.092	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 153	EPA 8270E	ng/wet g	4.17	1	0.065	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 180	EPA 8270E	ng/wet g	ND	1	0.154	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 187	EPA 8270E	ng/wet g	ND	1	0.168	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119224-R1	**SA-SSDB-C1-HH Carcass**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 049	EPA 8270E	ng/wet g	6.11	1	0.036	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 052	EPA 8270E	ng/wet g	6.25	1	0.012	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 070	EPA 8270E	ng/wet g	8.81	1	0.023	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 095	EPA 8270E	ng/wet g	6.82	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 097	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 099	EPA 8270E	ng/wet g	7.44	1	0.028	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	14.2	1	0.027	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 105	EPA 8270E	ng/wet g	5.96	1	0.047	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 110	EPA 8270E	ng/wet g	4.24	1	0.074	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 118	EPA 8270E	ng/wet g	7.85	1	0.069	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 138	EPA 8270E	ng/wet g	26.9	1	0.057	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 149	EPA 8270E	ng/wet g	8.04	1	0.092	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 151	EPA 8270E	ng/wet g	1.81	1	0.073	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 153	EPA 8270E	ng/wet g	38.8	1	0.065	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 177	EPA 8270E	ng/wet g	4.95	1	0.085	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 180	EPA 8270E	ng/wet g	ND	1	0.154	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 187	EPA 8270E	ng/wet g	9.39	1	0.168	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119225-R1	**SA-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 049	EPA 8270E	ng/wet g	8.11	1	0.036	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 052	EPA 8270E	ng/wet g	8.85	1	0.012	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 066	EPA 8270E	ng/wet g	1.36	1	0.027	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 070	EPA 8270E	ng/wet g	6.33	1	0.023	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 095	EPA 8270E	ng/wet g	12	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 097	EPA 8270E	ng/wet g	4.81	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 099	EPA 8270E	ng/wet g	23.3	1	0.028	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	30.6	1	0.027	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 105	EPA 8270E	ng/wet g	5.34	1	0.047	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 110	EPA 8270E	ng/wet g	11.3	1	0.074	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 118	EPA 8270E	ng/wet g	12.9	1	0.069	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 138	EPA 8270E	ng/wet g	69.7	1	0.057	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 149	EPA 8270E	ng/wet g	16.9	1	0.092	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 151	EPA 8270E	ng/wet g	5.62	1	0.073	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 153	EPA 8270E	ng/wet g	112	1	0.065	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 158	EPA 8270E	ng/wet g	4.92	1	0.074	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 177	EPA 8270E	ng/wet g	4.93	1	0.085	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 180	EPA 8270E	ng/wet g	3.19	1	0.154	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 187	EPA 8270E	ng/wet g	26.1	1	0.168	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119226-R1	**SA-SSDB-C3-HH Carcass**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 049	EPA 8270E	ng/wet g	4.72	1	0.036	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 052	EPA 8270E	ng/wet g	8.12	1	0.012	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 066	EPA 8270E	ng/wet g	2.65	1	0.027	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 070	EPA 8270E	ng/wet g	2.79	1	0.023	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 095	EPA 8270E	ng/wet g	5.73	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 097	EPA 8270E	ng/wet g	3.65	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 099	EPA 8270E	ng/wet g	15.4	1	0.028	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	19.2	1	0.027	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 105	EPA 8270E	ng/wet g	32.4	1	0.047	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 110	EPA 8270E	ng/wet g	4.87	1	0.074	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 118	EPA 8270E	ng/wet g	5.26	1	0.069	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 138	EPA 8270E	ng/wet g	49.9	1	0.057	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 149	EPA 8270E	ng/wet g	8.76	1	0.092	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 153	EPA 8270E	ng/wet g	119	1	0.065	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 177	EPA 8270E	ng/wet g	ND	1	0.085	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 180	EPA 8270E	ng/wet g	ND	1	0.154	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 187	EPA 8270E	ng/wet g	24.4	1	0.168	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119227-R1	**SA-SSDB-C4-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
PCB 003	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 005	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 008	EPA 8270E	ng/wet g	ND	1	0.017	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 015	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 018	EPA 8270E	ng/wet g	ND	1	0.029	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 027	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 028	EPA 8270E	ng/wet g	ND	1	0.023	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 029	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 031	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 033	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 037	EPA 8270E	ng/wet g	ND	1	0.06	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 044	EPA 8270E	ng/wet g	ND	1	0.028	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 049	EPA 8270E	ng/wet g	10.7	1	0.036	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 052	EPA 8270E	ng/wet g	9.6	1	0.012	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 056/60	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 066	EPA 8270E	ng/wet g	ND	1	0.027	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 070	EPA 8270E	ng/wet g	3.82	1	0.023	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 074	EPA 8270E	ng/wet g	ND	1	0.021	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 077	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 081	EPA 8270E	ng/wet g	ND	1	0.084	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 087	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 095	EPA 8270E	ng/wet g	10.8	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 097	EPA 8270E	ng/wet g	7.86	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 099	EPA 8270E	ng/wet g	13.9	1	0.028	0.5	Total		O-49062	14-Jan-25	20-Jan-25

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PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 101	EPA 8270E	ng/wet g	18.6	1	0.027	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 105	EPA 8270E	ng/wet g	8.15	1	0.047	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 110	EPA 8270E	ng/wet g	7.95	1	0.074	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 114	EPA 8270E	ng/wet g	ND	1	0.072	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 118	EPA 8270E	ng/wet g	5.76	1	0.069	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 119	EPA 8270E	ng/wet g	ND	1	0.071	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 123	EPA 8270E	ng/wet g	ND	1	0.018	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 126	EPA 8270E	ng/wet g	ND	1	0.086	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 128	EPA 8270E	ng/wet g	ND	1	0.081	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 132/168	EPA 8270E	ng/wet g	ND	1	0.094	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 137	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 138	EPA 8270E	ng/wet g	54.4	1	0.057	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 141	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 149	EPA 8270E	ng/wet g	7.7	1	0.092	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 151	EPA 8270E	ng/wet g	ND	1	0.073	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 153	EPA 8270E	ng/wet g	57.1	1	0.065	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 156	EPA 8270E	ng/wet g	ND	1	0.089	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 157	EPA 8270E	ng/wet g	ND	1	0.103	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 158	EPA 8270E	ng/wet g	ND	1	0.074	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 167	EPA 8270E	ng/wet g	ND	1	0.049	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 169	EPA 8270E	ng/wet g	ND	1	0.116	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 170	EPA 8270E	ng/wet g	ND	1	0.118	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 174	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 177	EPA 8270E	ng/wet g	9.51	1	0.085	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 180	EPA 8270E	ng/wet g	ND	1	0.154	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
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PCB Congeners

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
PCB 183	EPA 8270E	ng/wet g	ND	1	0.056	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 187	EPA 8270E	ng/wet g	15	1	0.168	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 189	EPA 8270E	ng/wet g	ND	1	0.109	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 194	EPA 8270E	ng/wet g	ND	1	0.164	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 195	EPA 8270E	ng/wet g	ND	1	0.093	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 199	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 201	EPA 8270E	ng/wet g	ND	1	0.104	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 203	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 206	EPA 8270E	ng/wet g	ND	1	0.155	0.5	Total		O-49062	14-Jan-25	20-Jan-25
PCB 209	EPA 8270E	ng/wet g	ND	1	0.25	0.5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119153-R1	**TS-DP-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 06-Sep-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	110	1			Total		O-49056	09-Jan-25	14-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	96	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	105	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	85	1			Total		O-49056	09-Jan-25	14-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	83	1			Total		O-49056	09-Jan-25	14-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119154-R1	**TS-DP-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 06-Sep-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	96	1			Total		O-49056	09-Jan-25	14-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	90	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	93	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	96	1			Total		O-49056	09-Jan-25	14-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	71	1			Total		O-49056	09-Jan-25	14-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	1.14	1	1	5	Total	J	O-49056	09-Jan-25	14-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119155-R1	**SSP-DP-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 17-Aug-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	103	1			Total		O-49056	09-Jan-25	14-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	95	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	79	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	88	1			Total		O-49056	09-Jan-25	14-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	75	1			Total		O-49056	09-Jan-25	14-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	2	1	1	5	Total	J	O-49056	09-Jan-25	14-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119156-R1	**WSP-DP-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 17-Aug-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	116	1			Total		O-49056	09-Jan-25	14-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	91	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	77	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	97	1			Total		O-49056	09-Jan-25	14-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	95	1			Total		O-49056	09-Jan-25	14-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	1.1	1	1	5	Total	J	O-49056	09-Jan-25	14-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119157-R1	**WSP-DP-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**17-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	88	1			Total		O-49056	09-Jan-25	14-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	94	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	91	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	76	1			Total		O-49056	09-Jan-25	14-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	115	1			Total		O-49056	09-Jan-25	14-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	1.2	1	1	5	Total	J	O-49056	09-Jan-25	14-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119158-R1	**CA-DP-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 06-Sep-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	119	1			Total		O-49056	09-Jan-25	14-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	94	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	85	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	84	1			Total		O-49056	09-Jan-25	14-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	95	1			Total		O-49056	09-Jan-25	14-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119159-R1	**BSB-DP-HH Skin-off Filtets**		**Matrix: Tissue**				**Sampled: 06-Sep-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	84	1			Total		O-49056	09-Jan-25	14-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	97	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	73	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	86	1			Total		O-49056	09-Jan-25	14-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	57	1			Total		O-49056	09-Jan-25	14-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	3.46	1	1	5	Total	J	O-49056	09-Jan-25	14-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119160-R1	**BSB-DP-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**06-Sep-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	85	1			Total		O-49056	09-Jan-25	14-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	83	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	61	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	80	1			Total		O-49056	09-Jan-25	14-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	60	1			Total		O-49056	09-Jan-25	14-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	7.51	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	4.88	1	1	5	Total	J	O-49056	09-Jan-25	14-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	22.5	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	3.04	1	1	5	Total	J	O-49056	09-Jan-25	14-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119161-R1	**SSB-OS-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	83	1			Total		O-49056	09-Jan-25	14-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	92	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	91	1			Total		O-49056	09-Jan-25	14-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	76	1			Total		O-49056	09-Jan-25	14-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	99	1			Total		O-49056	09-Jan-25	14-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	1.02	1	1	5	Total	J	O-49056	09-Jan-25	14-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	14-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119162-R1	**SSB-OS-C1-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 07-Sep-23**			**Received: 17-Jun-24**	
(d10-Acenaphthene)	EPA 8270E	% Recovery	76	1			Total		O-49056	09-Jan-25	15-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	102	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	78	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	76	1			Total		O-49056	09-Jan-25	15-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	53	1			Total		O-49056	09-Jan-25	15-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	4.15	1	1	5	Total	J	O-49056	09-Jan-25	15-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	28.7	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	1.84	1	1	5	Total	J	O-49056	09-Jan-25	15-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	1.69	1	1	5	Total	J	O-49056	09-Jan-25	15-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119163-R1	**SSB-OS-C2-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	70	1			Total		O-49056	09-Jan-25	15-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	98	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	77	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	71	1			Total		O-49056	09-Jan-25	15-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	58	1			Total		O-49056	09-Jan-25	15-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	1.41	1	1	5	Total	J	O-49056	09-Jan-25	15-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119164-R1	**SSB-OS-C2-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 07-Sep-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	88	1			Total		O-49056	09-Jan-25	15-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	96	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	91	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	73	1			Total		O-49056	09-Jan-25	15-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	62	1			Total		O-49056	09-Jan-25	15-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	1.68	1	1	5	Total	J	O-49056	09-Jan-25	15-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	4	1	1	5	Total	J	O-49056	09-Jan-25	15-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119165-R1	**TS-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 07-Sep-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	71	1			Total		O-49056	09-Jan-25	15-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	103	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	85	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	87	1			Total		O-49056	09-Jan-25	15-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	87	1			Total		O-49056	09-Jan-25	15-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	5.34	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119166-R1	**TS-OS-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	87	1			Total		O-49056	09-Jan-25	15-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	104	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	101	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	77	1			Total		O-49056	09-Jan-25	15-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	77	1			Total		O-49056	09-Jan-25	15-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	38.4	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	7.77	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119167-R1	**SSP-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**18-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	71	1			Total		O-49056	09-Jan-25	15-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	100	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	100	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	91	1			Total		O-49056	09-Jan-25	15-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	71	1			Total		O-49056	09-Jan-25	15-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	2.59	1	1	5	Total	J	O-49056	09-Jan-25	15-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119168-R1	**SSP-OS-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**18-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	61	1			Total		O-49056	09-Jan-25	15-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	90	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	84	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	96	1			Total		O-49056	09-Jan-25	15-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	67	1			Total		O-49056	09-Jan-25	15-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	3.1	1	1	5	Total	J	O-49056	09-Jan-25	15-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119169-R1	**WSP-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 18-Aug-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	69	1			Total		O-49056	09-Jan-25	15-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	98	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	91	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	88	1			Total		O-49056	09-Jan-25	15-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	64	1			Total		O-49056	09-Jan-25	15-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	6.83	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119170-R1	**WSP-OS-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 18-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	80	1			Total		O-49056	09-Jan-25	15-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	103	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	101	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	96	1			Total		O-49056	09-Jan-25	15-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	59	1			Total		O-49056	09-Jan-25	15-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	9.57	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119171-R1	**WSB-OS-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 07-Sep-23**			**Received: 17-Jun-24**	
(d10-Acenaphthene)	EPA 8270E	% Recovery	68	1			Total		O-49056	09-Jan-25	15-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	99	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	92	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	74	1			Total		O-49056	09-Jan-25	15-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	81	1			Total		O-49056	09-Jan-25	15-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	14.4	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	12.5	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	109	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	4.35	1	1	5	Total	J	O-49056	09-Jan-25	15-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119172-R1	**KB-OS-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	66	1			Total		O-49056	09-Jan-25	15-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	89	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	80	1			Total		O-49056	09-Jan-25	15-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	84	1			Total		O-49056	09-Jan-25	15-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	75	1			Total		O-49056	09-Jan-25	15-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	26.1	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	3.2	1	1	5	Total	J	O-49056	09-Jan-25	15-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49056	09-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119173-R1	**KB-OS-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 07-Sep-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	71	1			Total		O-49058	12-Jan-25	16-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	83	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	89	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	75	1			Total		O-49058	12-Jan-25	16-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	61	1			Total		O-49058	12-Jan-25	16-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	2.73	1	1	5	Total	J	O-49058	12-Jan-25	16-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	6.5	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	1.23	1	1	5	Total	J	O-49058	12-Jan-25	16-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Naphthalene	EPA 8270E	ng/wet g	8.63	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	2.39	1	1	5	Total	J	O-49058	12-Jan-25	16-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119174-R1	**SSB-MB-C1-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	78	1			Total		O-49058	12-Jan-25	16-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	95	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	116	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	86	1			Total		O-49058	12-Jan-25	16-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	60	1			Total		O-49058	12-Jan-25	16-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119175-R1	**SSB-MB-C1-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	76	1			Total		O-49058	12-Jan-25	16-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	91	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	106	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	72	1			Total		O-49058	12-Jan-25	16-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	59	1			Total		O-49058	12-Jan-25	16-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Anthracene	EPA 8270E	ng/wet g	1	1	1	5	Total	J	O-49058	12-Jan-25	16-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119176-R1	**SSB-MB-C2-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 12-Feb-24**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	78	1			Total		O-49058	12-Jan-25	16-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	90	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	104	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	85	1			Total		O-49058	12-Jan-25	16-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	63	1			Total		O-49058	12-Jan-25	16-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119177-R1	**SSB-MB-C2-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 12-Feb-24**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	74	1			Total		O-49058	12-Jan-25	16-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	89	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	102	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	78	1			Total		O-49058	12-Jan-25	16-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	56	1			Total		O-49058	12-Jan-25	16-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119178-R1	**SSB-MB-C3-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 23-Feb-24**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	69	1			Total		O-49058	12-Jan-25	16-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	87	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	108	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	85	1			Total		O-49058	12-Jan-25	16-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	55	1			Total		O-49058	12-Jan-25	16-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119179-R1	**SSB-MB-C3-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 23-Feb-24**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	64	1			Total		O-49058	12-Jan-25	16-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	82	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	101	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	83	1			Total		O-49058	12-Jan-25	16-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	54	1			Total		O-49058	12-Jan-25	16-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119180-R1	**SSP-MB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	79	1			Total		O-49058	12-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	93	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	112	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	93	1			Total		O-49058	12-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	62	1			Total		O-49058	12-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
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Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119181-R1	**WSP-MB-HH Carcass**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	81	1			Total		O-49058	12-Jan-25	16-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	94	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	107	1			Total		O-49058	12-Jan-25	16-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	86	1			Total		O-49058	12-Jan-25	16-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	69	1			Total		O-49058	12-Jan-25	16-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	4.49	1	1	5	Total	J	O-49058	12-Jan-25	16-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

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Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	1.97	1	1	5	Total	J	O-49058	12-Jan-25	16-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	16-Jan-25

PHYSIS
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Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119182-R1	**WSP-MB-ER Offal**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	76	1			Total		O-49058	12-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	91	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	99	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	82	1			Total		O-49058	12-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	61	1			Total		O-49058	12-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

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Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	1.74	1	1	5	Total	J	O-49058	12-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

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Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119183-R1	**CAH-MB-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	76	1			Total		O-49058	12-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	90	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	120	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	91	1			Total		O-49058	12-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	64	1			Total		O-49058	12-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS
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PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119184-R1	**BSB-MB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	70	1			Total		O-49058	12-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	82	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	89	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	75	1			Total		O-49058	12-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	59	1			Total		O-49058	12-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119185-R1	**KB-MB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	81	1			Total		O-49058	12-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	95	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	101	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	79	1			Total		O-49058	12-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	66	1			Total		O-49058	12-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119186-R1	**RR-MB-HH Wings Only**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	73	1			Total		O-49058	12-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	91	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	123	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	84	1			Total		O-49058	12-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	48	1			Total		O-49058	12-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119187-R1	**TS-MB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 12-Feb-24**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	82	1			Total		O-49058	12-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	97	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	94	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	90	1			Total		O-49058	12-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	70	1			Total		O-49058	12-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119188-R1	**TS-MB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 12-Feb-24**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	77	1			Total		O-49058	12-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	93	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	117	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	91	1			Total		O-49058	12-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	61	1			Total		O-49058	12-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119189-R1	**TS-MB-C3-HH Carcass**		**Matrix: Tissue**				**Sampled: 23-Feb-24**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	77	1			Total		O-49058	12-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	93	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	114	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	90	1			Total		O-49058	12-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	55	1			Total		O-49058	12-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119190-R1	**TS-MB-C4-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 23-Feb-24**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	81	1			Total		O-49058	12-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	95	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	114	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	93	1			Total		O-49058	12-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	65	1			Total		O-49058	12-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119191-R1	**PCM-NSDB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	79	1			Total		O-49058	12-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	94	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	96	1			Total		O-49058	12-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	76	1			Total		O-49058	12-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	66	1			Total		O-49058	12-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	1.4	1	1	5	Total	J	O-49058	12-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	24	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	1.53	1	1	5	Total	J	O-49058	12-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	2.03	1	1	5	Total	J	O-49058	12-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	17-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119192-R1	**PCM-NSDB-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 15-Sep-23**			**Received: 17-Jun-24**	
(d10-Acenaphthene)	EPA 8270E	% Recovery	76	1			Total		O-49058	12-Jan-25	18-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	90	1			Total		O-49058	12-Jan-25	18-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	105	1			Total		O-49058	12-Jan-25	18-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	78	1			Total		O-49058	12-Jan-25	18-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	67	1			Total		O-49058	12-Jan-25	18-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	2.74	1	1	5	Total	J	O-49058	12-Jan-25	18-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	65.2	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	1.34	1	1	5	Total	J	O-49058	12-Jan-25	18-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	1.83	1	1	5	Total	J	O-49058	12-Jan-25	18-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	3.73	1	1	5	Total	J	O-49058	12-Jan-25	18-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	5.32	1	1	5	Total		O-49058	12-Jan-25	18-Jan-25
Pyrene	EPA 8270E	ng/wet g	1.03	1	1	5	Total	J	O-49058	12-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119193-R1	**SSB-NSDB-C1-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
(d10-Acenaphthene)	EPA 8270E	% Recovery	81	1			Total		O-49060	13-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	89	1			Total		O-49060	13-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	128	1			Total		O-49060	13-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	85	1			Total		O-49060	13-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	64	1			Total		O-49060	13-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	1.51	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	3.47	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119194-R1	**SSB-NSDB-C1-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
(d10-Acenaphthene)	EPA 8270E	% Recovery	91	1			Total		O-49060	13-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	96	1			Total		O-49060	13-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	87	1			Total		O-49060	13-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	91	1			Total		O-49060	13-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	82	1			Total		O-49060	13-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	2.12	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	1.35	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	2.52	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119195-R1	**SSB-NSDB-C2-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
(d10-Acenaphthene)	EPA 8270E	% Recovery	83	1			Total		O-49060	13-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	90	1			Total		O-49060	13-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	137	1			Total		O-49060	13-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	82	1			Total		O-49060	13-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	64	1			Total		O-49060	13-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	1.21	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	1.88	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119196-R1	**SSB-NSDB-C2-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
(d10-Acenaphthene)	EPA 8270E	% Recovery	90	1			Total		O-49060	13-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	96	1			Total		O-49060	13-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	87	1			Total		O-49060	13-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	79	1			Total		O-49060	13-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	78	1			Total		O-49060	13-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	1.71	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	1.42	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	1.3	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	2.18	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119197-R1	**SSB-NSDB-C3-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled: 31-Jan-24**			**Received: 17-Jun-24**	
(d10-Acenaphthene)	EPA 8270E	% Recovery	89	1			Total		O-49060	13-Jan-25	18-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	97	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	77	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	94	1			Total		O-49060	13-Jan-25	18-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	70	1			Total		O-49060	13-Jan-25	18-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	1.34	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Naphthalene	EPA 8270E	ng/wet g	1.88	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119198-R1	**SSB-NSDB-C3-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	91	1			Total		O-49060	13-Jan-25	18-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	99	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	83	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	86	1			Total		O-49060	13-Jan-25	18-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	74	1			Total		O-49060	13-Jan-25	18-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	2.19	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	1.88	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Naphthalene	EPA 8270E	ng/wet g	2.88	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119199-R1	**JS-NSDB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	100	1			Total		O-49060	13-Jan-25	17-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	95	1			Total		O-49060	13-Jan-25	17-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	84	1			Total		O-49060	13-Jan-25	17-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	87	1			Total		O-49060	13-Jan-25	17-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	93	1			Total		O-49060	13-Jan-25	17-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	1.85	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	4.69	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	9.35	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	1.7	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Naphthalene	EPA 8270E	ng/wet g	4.54	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	1.21	1	1	5	Total	J	O-49060	13-Jan-25	17-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	17-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119200-R1	**JS-NSDB-C1-ER Offal**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	82	1			Total		O-49060	13-Jan-25	18-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	86	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	100	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	80	1			Total		O-49060	13-Jan-25	18-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	71	1			Total		O-49060	13-Jan-25	18-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	8.58	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	1.33	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	4.83	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	19.5	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	57.9	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	3.18	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Anthracene	EPA 8270E	ng/wet g	6.74	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Biphenyl	EPA 8270E	ng/wet g	4.27	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	9.36	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	8.78	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Naphthalene	EPA 8270E	ng/wet g	13	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	6.56	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119201-R1	**JS-NSDB-C2-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	92	1			Total		O-49060	13-Jan-25	18-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	99	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	82	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	88	1			Total		O-49060	13-Jan-25	18-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	74	1			Total		O-49060	13-Jan-25	18-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	1.66	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	9.37	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Naphthalene	EPA 8270E	ng/wet g	2.72	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119202-R1	**TS-NSDB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	75	1			Total		O-49060	13-Jan-25	18-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	82	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	72	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	77	1			Total		O-49060	13-Jan-25	18-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	67	1			Total		O-49060	13-Jan-25	18-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	1.1	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	3.2	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	2.94	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	1.42	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Naphthalene	EPA 8270E	ng/wet g	3.02	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	1.24	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119203-R1	**TS-NSDB-C1-ER Offal**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	99	1			Total		O-49060	13-Jan-25	18-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	87	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	87	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	79	1			Total		O-49060	13-Jan-25	18-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	95	1			Total		O-49060	13-Jan-25	18-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	11.5	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	1.41	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	8.87	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	28.1	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	18.3	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	6.29	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Anthracene	EPA 8270E	ng/wet g	5.77	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	14.8	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Biphenyl	EPA 8270E	ng/wet g	5.5	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Chrysene	EPA 8270E	ng/wet g	4.66	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	6.42	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	14.6	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Naphthalene	EPA 8270E	ng/wet g	17.8	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	10.4	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Pyrene	EPA 8270E	ng/wet g	2.16	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119204-R1	**TS-NSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	92	1			Total		O-49060	13-Jan-25	18-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	93	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	82	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	84	1			Total		O-49060	13-Jan-25	18-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	78	1			Total		O-49060	13-Jan-25	18-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	2.11	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	1.52	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	5.17	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	3.32	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Anthracene	EPA 8270E	ng/wet g	1.32	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	1.23	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	2.56	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Naphthalene	EPA 8270E	ng/wet g	3.13	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	2.56	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119205-R1	**CAH-NSDB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	84	1			Total		O-49060	13-Jan-25	18-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	92	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	83	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	92	1			Total		O-49060	13-Jan-25	18-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	70	1			Total		O-49060	13-Jan-25	18-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	2.47	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Naphthalene	EPA 8270E	ng/wet g	5.53	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119206-R1	**QF-NSDB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	84	1			Total		O-49060	13-Jan-25	18-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	92	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	76	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	83	1			Total		O-49060	13-Jan-25	18-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	69	1			Total		O-49060	13-Jan-25	18-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	1.81	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	1.93	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Naphthalene	EPA 8270E	ng/wet g	2.15	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119207-R1	**BSB-NSDB-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	88	1			Total		O-49060	13-Jan-25	18-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	94	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	83	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	85	1			Total		O-49060	13-Jan-25	18-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	76	1			Total		O-49060	13-Jan-25	18-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	1.81	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Naphthalene	EPA 8270E	ng/wet g	2.61	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119208-R1	**SSP-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received: 17-Jun-24**	
(d10-Acenaphthene)	EPA 8270E	% Recovery	85	1			Total		O-49060	13-Jan-25	18-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	93	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	73	1			Total		O-49060	13-Jan-25	18-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	85	1			Total		O-49060	13-Jan-25	18-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	73	1			Total		O-49060	13-Jan-25	18-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	1.19	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	3.22	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	1.13	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	1.68	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Naphthalene	EPA 8270E	ng/wet g	3.05	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	1.44	1	1	5	Total	J	O-49060	13-Jan-25	18-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	18-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119209-R1	**SSP-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received: 17-Jun-24**	
(d10-Acenaphthene)	EPA 8270E	% Recovery	87	1			Total		O-49060	13-Jan-25	19-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	94	1			Total		O-49060	13-Jan-25	19-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	79	1			Total		O-49060	13-Jan-25	19-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	80	1			Total		O-49060	13-Jan-25	19-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	72	1			Total		O-49060	13-Jan-25	19-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	1.92	1	1	5	Total	J	O-49060	13-Jan-25	19-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Anthracene	EPA 8270E	ng/wet g	1.02	1	1	5	Total	J	O-49060	13-Jan-25	19-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25

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Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Naphthalene	EPA 8270E	ng/wet g	2.2	1	1	5	Total	J	O-49060	13-Jan-25	19-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119210-R1	**YFC-SSDB-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received: 17-Jun-24**	
(d10-Acenaphthene)	EPA 8270E	% Recovery	87	1			Total		O-49060	13-Jan-25	19-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	99	1			Total		O-49060	13-Jan-25	19-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	85	1			Total		O-49060	13-Jan-25	19-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	93	1			Total		O-49060	13-Jan-25	19-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	66	1			Total		O-49060	13-Jan-25	19-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	1.69	1	1	5	Total	J	O-49060	13-Jan-25	19-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Naphthalene	EPA 8270E	ng/wet g	2.31	1	1	5	Total	J	O-49060	13-Jan-25	19-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119211-R1	**BC-SSDB-C1-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	78	1			Total		O-49060	13-Jan-25	19-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	91	1			Total		O-49060	13-Jan-25	19-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	80	1			Total		O-49060	13-Jan-25	19-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	83	1			Total		O-49060	13-Jan-25	19-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	58	1			Total		O-49060	13-Jan-25	19-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	1.57	1	1	5	Total	J	O-49060	13-Jan-25	19-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Naphthalene	EPA 8270E	ng/wet g	2.02	1	1	5	Total	J	O-49060	13-Jan-25	19-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119212-R1	**BC-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received: 17-Jun-24**	
(d10-Acenaphthene)	EPA 8270E	% Recovery	87	1			Total		O-49060	13-Jan-25	19-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	95	1			Total		O-49060	13-Jan-25	19-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	82	1			Total		O-49060	13-Jan-25	19-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	77	1			Total		O-49060	13-Jan-25	19-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	71	1			Total		O-49060	13-Jan-25	19-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	1.25	1	1	5	Total	J	O-49060	13-Jan-25	19-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	3.85	1	1	5	Total	J	O-49060	13-Jan-25	19-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Anthracene	EPA 8270E	ng/wet g	1.66	1	1	5	Total	J	O-49060	13-Jan-25	19-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Naphthalene	EPA 8270E	ng/wet g	2.61	1	1	5	Total	J	O-49060	13-Jan-25	19-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49060	13-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119213-R1	**SSB-SSDB-C1-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	75	1			Total		O-49062	14-Jan-25	19-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	83	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	110	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	74	1			Total		O-49062	14-Jan-25	19-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	56	1			Total		O-49062	14-Jan-25	19-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119214-R1	**SSB-SSDB-C1-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	108	1			Total		O-49062	14-Jan-25	19-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	89	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	124	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	82	1			Total		O-49062	14-Jan-25	19-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	83	1			Total		O-49062	14-Jan-25	19-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119215-R1	**SSB-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	124	1			Total		O-49062	14-Jan-25	19-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	94	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	122	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	85	1			Total		O-49062	14-Jan-25	19-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	103	1			Total		O-49062	14-Jan-25	19-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Anthracene	EPA 8270E	ng/wet g	1.78	1	1	5	Total	J	O-49062	14-Jan-25	19-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	µg/wet g	ND	1	1	5	Total		O-49060	14-Jan-25	19-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119216-R1	**SSB-SSDB-C3-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled: 29-Jan-24**			**Received: 17-Jun-24**	
(d10-Acenaphthene)	EPA 8270E	% Recovery	81	1			Total		O-49062	14-Jan-25	19-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	88	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	104	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	74	1			Total		O-49062	14-Jan-25	19-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	64	1			Total		O-49062	14-Jan-25	19-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119217-R1	**SSB-SSDB-C3-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 29-Jan-24**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	115	1			Total		O-49062	14-Jan-25	19-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	90	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	122	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	79	1			Total		O-49062	14-Jan-25	19-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	90	1			Total		O-49062	14-Jan-25	19-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119218-R1	**BSB-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	128	1			Total		O-49062	14-Jan-25	19-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	94	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	92	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	67	1			Total		O-49062	14-Jan-25	19-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	112	1			Total		O-49062	14-Jan-25	19-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119219-R1	**BSB-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	71	1			Total		O-49062	14-Jan-25	19-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	95	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	98	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	101	1			Total		O-49062	14-Jan-25	19-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	126	1			Total	M	O-49062	14-Jan-25	19-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119220-R1	**PB-SSDB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 29-Jan-24**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	82	1			Total		O-49062	14-Jan-25	19-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	99	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	77	1			Total		O-49062	14-Jan-25	19-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	82	1			Total		O-49062	14-Jan-25	19-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	68	1			Total		O-49062	14-Jan-25	19-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	19-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119221-R1	**TS-SSDB-HH Carcass**		**Matrix: Tissue**				**Sampled: 29-Jan-24**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	79	1			Total		O-49062	14-Jan-25	20-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	92	1			Total		O-49062	14-Jan-25	20-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	74	1			Total		O-49062	14-Jan-25	20-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	91	1			Total		O-49062	14-Jan-25	20-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	52	1			Total		O-49062	14-Jan-25	20-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119222-R1	**TS-SSDB-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 29-Jan-24**			**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	71	1			Total		O-49062	14-Jan-25	20-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	86	1			Total		O-49062	14-Jan-25	20-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	86	1			Total		O-49062	14-Jan-25	20-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	89	1			Total		O-49062	14-Jan-25	20-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	64	1			Total		O-49062	14-Jan-25	20-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119223-R1	**RR-SSDB-HH Wings Only**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	75	1			Total		O-49062	14-Jan-25	20-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	94	1			Total		O-49062	14-Jan-25	20-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	77	1			Total		O-49062	14-Jan-25	20-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	84	1			Total		O-49062	14-Jan-25	20-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	60	1			Total		O-49062	14-Jan-25	20-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119224-R1	**SA-SSDB-C1-HH Carcass**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	71	1			Total		O-49062	14-Jan-25	20-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	98	1			Total		O-49062	14-Jan-25	20-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	73	1			Total		O-49062	14-Jan-25	20-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	98	1			Total		O-49062	14-Jan-25	20-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	65	1			Total		O-49062	14-Jan-25	20-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119225-R1	**SA-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	66	1			Total		O-49062	14-Jan-25	20-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	92	1			Total		O-49062	14-Jan-25	20-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	74	1			Total		O-49062	14-Jan-25	20-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	75	1			Total		O-49062	14-Jan-25	20-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	54	1			Total		O-49062	14-Jan-25	20-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25

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Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119226-R1	**SA-SSDB-C3-HH Carcass**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	64	1			Total		O-49062	14-Jan-25	20-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	94	1			Total		O-49062	14-Jan-25	20-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	68	1			Total		O-49062	14-Jan-25	20-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	79	1			Total		O-49062	14-Jan-25	20-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	49	1			Total		O-49062	14-Jan-25	20-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119227-R1	**SA-SSDB-C4-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
(d10-Acenaphthene)	EPA 8270E	% Recovery	97	1			Total		O-49062	14-Jan-25	20-Jan-25
(d10-Phenanthrene)	EPA 8270E	% Recovery	94	1			Total		O-49062	14-Jan-25	20-Jan-25
(d12-Chrysene)	EPA 8270E	% Recovery	71	1			Total		O-49062	14-Jan-25	20-Jan-25
(d12-Perylene)	EPA 8270E	% Recovery	88	1			Total		O-49062	14-Jan-25	20-Jan-25
(d8-Naphthalene)	EPA 8270E	% Recovery	48	1			Total		O-49062	14-Jan-25	20-Jan-25
1-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
1-Methylphenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2,3,5-Trimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2,6-Dimethylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
2-Methylnaphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Acenaphthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Acenaphthylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benz[a]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[a]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[b]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[e]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[g,h,i]perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Benzo[k]fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Biphenyl	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Chrysene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Dibenz[a,h]anthracene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Dibenzothiophene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Fluoranthene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25

Polynuclear Aromatic Hydrocarbons

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Fluorene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Indeno[1,2,3-cd]pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Naphthalene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Perylene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Phenanthrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25
Pyrene	EPA 8270E	ng/wet g	ND	1	1	5	Total		O-49062	14-Jan-25	20-Jan-25

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Total Extractable Organics

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119153-R1	**TS-DP-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**06-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.58	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119154-R1	**TS-DP-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**06-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.79	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119155-R1	**SSP-DP-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**17-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	2.23	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119156-R1	**WSP-DP-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**17-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	3.05	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119157-R1	**WSP-DP-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**17-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	2.22	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119158-R1	**CA-DP-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**06-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.278	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119159-R1	**BSB-DP-HH Skin-off Filtets**		**Matrix: Tissue**				**Sampled:**	**06-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.6	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119160-R1	**BSB-DP-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**06-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	7.45	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119161-R1	**SSB-OS-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.806	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119162-R1	**SSB-OS-C1-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	6.31	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119163-R1	**SSB-OS-C2-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.697	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25

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Total Extractable Organics

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119164-R1	**SSB-OS-C2-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	3.47	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119165-R1	**TS-OS-C1-HH Carcass**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.41	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119166-R1	**TS-OS-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.49	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119167-R1	**SSP-OS-C1-HH Carcass**		**Matrix: Tissue**					**Sampled: 18-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	2.93	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119168-R1	**SSP-OS-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 18-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	2.95	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119169-R1	**WSP-OS-C1-HH Carcass**		**Matrix: Tissue**					**Sampled: 18-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	8	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119170-R1	**WSP-OS-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 18-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	9.37	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119171-R1	**WSB-OS-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	2.63	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119172-R1	**KB-OS-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.58	1	0.01	0.05	NA		C-85023	10-Jan-25	13-Jan-25
Sample ID: 119173-R1	**KB-OS-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 07-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	4.04	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119174-R1	**SSB-MB-C1-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.622	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25

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Total Extractable Organics

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119175-R1	**SSB-MB-C1-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.23	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119176-R1	**SSB-MB-C2-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**12-Feb-24**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.721	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119177-R1	**SSB-MB-C2-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**12-Feb-24**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	3.21	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119178-R1	**SSB-MB-C3-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**23-Feb-24**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.331	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119179-R1	**SSB-MB-C3-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**23-Feb-24**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	3.63	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119180-R1	**SSP-MB-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.16	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119181-R1	**WSP-MB-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	5.28	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119182-R1	**WSP-MB-ER Offal**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	11.2	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119183-R1	**CAH-MB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.038	1	0.01	0.05	NA	J	C-85024	13-Jan-25	15-Jan-25
Sample ID: 119184-R1	**BSB-MB-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	4.1	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119185-R1	**KB-MB-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	2.95	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Total Extractable Organics

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119186-R1	**RR-MB-HH Wings Only**		**Matrix: Tissue**					**Sampled: 23-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.22	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119187-R1	**TS-MB-C1-HH Carcass**		**Matrix: Tissue**					**Sampled: 12-Feb-24**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.903	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119188-R1	**TS-MB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 12-Feb-24**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.25	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119189-R1	**TS-MB-C3-HH Carcass**		**Matrix: Tissue**					**Sampled: 23-Feb-24**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.03	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119190-R1	**TS-MB-C4-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 23-Feb-24**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.55	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119191-R1	**PCM-NSDB-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 15-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	3.49	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119192-R1	**PCM-NSDB-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 15-Sep-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	8.22	1	0.01	0.05	NA		C-85024	13-Jan-25	15-Jan-25
Sample ID: 119193-R1	**SSB-NSDB-C1-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.87	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119194-R1	**SSB-NSDB-C1-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	4.87	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119195-R1	**SSB-NSDB-C2-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.676	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119196-R1	**SSB-NSDB-C2-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	2.99	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25

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Total Extractable Organics

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119197-R1	**SSB-NSDB-C3-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled:**	**31-Jan-24**	**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.03	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119198-R1	**SSB-NSDB-C3-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled:**	**31-Jan-24**	**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	3.88	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119199-R1	**JS-NSDB-C1-HH Carcass**		**Matrix: Tissue**					**Sampled:**	**15-Sep-23**	**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	5.76	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119200-R1	**JS-NSDB-C1-ER Offal**		**Matrix: Tissue**					**Sampled:**	**15-Sep-23**	**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	31.6	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119201-R1	**JS-NSDB-C2-HH Carcass**		**Matrix: Tissue**					**Sampled:**	**31-Jan-24**	**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.96	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119202-R1	**TS-NSDB-C1-HH Carcass**		**Matrix: Tissue**					**Sampled:**	**15-Sep-23**	**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	3.41	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119203-R1	**TS-NSDB-C1-ER Offal**		**Matrix: Tissue**					**Sampled:**	**15-Sep-23**	**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	31.6	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119204-R1	**TS-NSDB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled:**	**15-Sep-23**	**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	6.65	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119205-R1	**CAH-NSDB-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled:**	**24-Aug-23**	**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.223	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119206-R1	**QF-NSDB-ER Whole Fish**		**Matrix: Tissue**					**Sampled:**	**24-Aug-23**	**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	2.32	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119207-R1	**BSB-NSDB-ER Whole Fish**		**Matrix: Tissue**					**Sampled:**	**24-Aug-23**	**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	4.36	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25

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Total Extractable Organics

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119208-R1	**SSP-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	2.16	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119209-R1	**SSP-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	2.41	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119210-R1	**YFC-SSDB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.767	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119211-R1	**BC-SSDB-C1-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.494	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119212-R1	**BC-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	3.11	1	0.01	0.05	NA		C-85025	14-Jan-25	21-Jan-25
Sample ID: 119213-R1	**SSB-SSDB-C1-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.365	1	0.01	0.05	NA		C-85026	14-Jan-25	21-Jan-25
Sample ID: 119214-R1	**SSB-SSDB-C1-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	2.86	1	0.01	0.05	NA		C-85026	14-Jan-25	21-Jan-25
Sample ID: 119215-R1	**SSB-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	2.62	1	0.01	0.05	NA		C-85026	14-Jan-25	21-Jan-25
Sample ID: 119216-R1	**SSB-SSDB-C3-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 29-Jan-24**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.625	1	0.01	0.05	NA		C-85026	14-Jan-25	21-Jan-25
Sample ID: 119217-R1	**SSB-SSDB-C3-ER Carcass + Offal**		**Matrix: Tissue**					**Sampled: 29-Jan-24**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	2.77	1	0.01	0.05	NA		C-85026	14-Jan-25	21-Jan-25
Sample ID: 119218-R1	**BSB-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	3.98	1	0.01	0.05	NA		C-85026	14-Jan-25	21-Jan-25

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Total Extractable Organics

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119219-R1	**BSB-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	3.18	1	0.01	0.05	NA		C-85026	14-Jan-25	21-Jan-25
Sample ID: 119220-R1	**PB-SSDB-HH Skin-off Filets**		**Matrix: Tissue**					**Sampled: 29-Jan-24**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	5.53	1	0.01	0.05	NA		C-85026	14-Jan-25	21-Jan-25
Sample ID: 119221-R1	**TS-SSDB-HH Carcass**		**Matrix: Tissue**					**Sampled: 29-Jan-24**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.2	1	0.01	0.05	NA		C-85026	14-Jan-25	21-Jan-25
Sample ID: 119222-R1	**TS-SSDB-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 29-Jan-24**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.65	1	0.01	0.05	NA		C-85026	14-Jan-25	21-Jan-25
Sample ID: 119223-R1	**RR-SSDB-HH Wings Only**		**Matrix: Tissue**					**Sampled: 24-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	0.486	1	0.01	0.05	NA		C-85026	14-Jan-25	21-Jan-25
Sample ID: 119224-R1	**SA-SSDB-C1-HH Carcass**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.14	1	0.01	0.05	NA		C-85026	14-Jan-25	21-Jan-25
Sample ID: 119225-R1	**SA-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	2.39	1	0.01	0.05	NA		C-85026	14-Jan-25	21-Jan-25
Sample ID: 119226-R1	**SA-SSDB-C3-HH Carcass**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	1.48	1	0.01	0.05	NA		C-85026	14-Jan-25	21-Jan-25
Sample ID: 119227-R1	**SA-SSDB-C4-ER Whole Fish**		**Matrix: Tissue**					**Sampled: 25-Aug-23**		**Received:**	**17-Jun-24**
Percent Lipids	Gravimetric	% wet weight	2.07	1	0.01	0.05	NA		C-85026	14-Jan-25	21-Jan-25

QUALITY CONTROL REPORT

PHYSIS
TERRA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119141-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: EPA 8270E					Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 13-Jan-25	
(PCB030)	Total	86	1			% Recovery	100	86	52 - 124%	PASS			
(PCB112)	Total	70	1			% Recovery	100	70	49 - 133%	PASS			
(PCB198)	Total	116	1			% Recovery	100	116	60 - 129%	PASS			
(TCMX)	Total	76	1			% Recovery	100	76	6 - 124%	PASS			
2,4'-DDD	Total	ND	1	0.267	0.5	ng/wet g							
2,4'-DDE	Total	ND	1	0.2	0.5	ng/wet g							
2,4'-DDT	Total	ND	1	0.194	0.5	ng/wet g							
4,4'-DDD	Total	ND	1	0.198	0.5	ng/wet g							
4,4'-DDE	Total	ND	1	0.193	0.5	ng/wet g							
4,4'-DDMU	Total	ND	1	0.193	0.5	ng/wet g							
4,4'-DDT	Total	ND	1	0.128	0.5	ng/wet g							
Aldrin	Total	ND	1	0.25	0.5	ng/wet g							
BHC-alpha	Total	ND	1	0.25	0.5	ng/wet g							
BHC-beta	Total	ND	1	0.25	0.5	ng/wet g							
BHC-gamma	Total	ND	1	0.25	0.5	ng/wet g							
Chlordane-alpha	Total	ND	1	0.187	0.5	ng/wet g							
Chlordane-gamma	Total	ND	1	0.179	0.5	ng/wet g							
cis-Nonachlor	Total	ND	1	0.192	0.5	ng/wet g							
DCPA (Dachthal)	Total	ND	1	0.25	0.5	ng/wet g							
Dicofol	Total	ND	1	0.25	0.5	ng/wet g							
Dieldrin	Total	ND	1	0.1	0.2	ng/wet g							
Endosulfan Sulfate	Total	ND	1	0.25	0.5	ng/wet g							
Endosulfan-I	Total	ND	1	0.25	0.5	ng/wet g							

Chlorinated Pesticides — QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Endosulfan-II	Total	ND	1	0.25	0.5	ng/wet g							
Endrin	Total	ND	1	0.25	0.5	ng/wet g							
Endrin Aldehyde	Total	ND	1	0.25	0.5	ng/wet g							
Endrin Ketone	Total	ND	1	0.25	0.5	ng/wet g							
Heptachlor	Total	ND	1	0.25	0.5	ng/wet g							
Heptachlor Epoxide	Total	ND	1	0.25	0.5	ng/wet g							
Methoxychlor	Total	ND	1	0.25	0.5	ng/wet g							
Mirex	Total	ND	1	0.25	0.5	ng/wet g							
Oxychlordane	Total	ND	1	0.25	0.5	ng/wet g							
Perthane	Total	ND	1	5	10	ng/wet g							
trans-Nonachlor	Total	ND	1	0.186	0.5	ng/wet g							
		Method: EPA 8270E-NCI				Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 15-Jan-25	
Toxaphene	Total	ND	1	10	20	ng/wet g							

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119141-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**				**Received:**	
	Method: EPA 8270E					Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 13-Jan-25	
(PCB030)	Total	86	1			% Recovery	100	0	86	52 - 124%		PASS	
(PCB112)	Total	127	1			% Recovery	100	0	127	49 - 133%		PASS	
(PCB198)	Total	108	1			% Recovery	100	0	108	60 - 129%		PASS	
(TCMX)	Total	78	1			% Recovery	100	0	78	6 - 124%		PASS	
2,4'-DDD	Total	532	1	0.267	0.5	ng/wet g	500	0	106	60 - 140%		PASS	
2,4'-DDE	Total	477	1	0.2	0.5	ng/wet g	500	0	95	60 - 140%		PASS	
2,4'-DDT	Total	478	1	0.194	0.5	ng/wet g	500	0	96	60 - 140%		PASS	
4,4'-DDD	Total	367	1	0.198	0.5	ng/wet g	500	0	73	60 - 140%		PASS	
4,4'-DDE	Total	422	1	0.193	0.5	ng/wet g	500	0	84	60 - 140%		PASS	
4,4'-DDMU	Total	421	1	0.193	0.5	ng/wet g	500	0	84	70 - 113%		PASS	
4,4'-DDT	Total	384	1	0.128	0.5	ng/wet g	500	0	77	60 - 140%		PASS	
Aldrin	Total	423	1	0.25	0.5	ng/wet g	500	0	85	60 - 140%		PASS	
BHC-alpha	Total	361	1	0.25	0.5	ng/wet g	500	0	72	60 - 140%		PASS	
BHC-beta	Total	434	1	0.25	0.5	ng/wet g	500	0	87	60 - 140%		PASS	
BHC-gamma	Total	354	1	0.25	0.5	ng/wet g	500	0	71	60 - 140%		PASS	
Chlordane-alpha	Total	350	1	0.187	0.5	ng/wet g	500	0	70	60 - 140%		PASS	
Chlordane-gamma	Total	524	1	0.179	0.5	ng/wet g	500	0	105	60 - 140%		PASS	
cis-Nonachlor	Total	577	1	0.192	0.5	ng/wet g	500	0	115	60 - 140%		PASS	
DCPA (Dachthal)	Total	442	1	0.25	0.5	ng/wet g	500	0	88	64 - 124%		PASS	
Dicofol	Total	252	1	0.25	0.5	ng/wet g	500	0	50	49 - 124%		PASS	
Dieldrin	Total	535	1	0.1	0.2	ng/wet g	500	0	107	60 - 140%		PASS	
Endosulfan Sulfate	Total	432	1	0.25	0.5	ng/wet g	500	0	86	60 - 140%		PASS	
Endosulfan-I	Total	259	1	0.25	0.5	ng/wet g	500	0	52	0 - 127%		PASS	

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Endosulfan-II	Total	272	1	0.25	0.5	ng/wet g	500	0	54	0 - 121%	PASS			
Endrin	Total	400	1	0.25	0.5	ng/wet g	500	0	80	60 - 140%	PASS			
Endrin Aldehyde	Total	47.1	1	0.25	0.5	ng/wet g	500	0	9	0 - 135%	PASS			
Endrin Ketone	Total	569	1	0.25	0.5	ng/wet g	500	0	114	60 - 140%	PASS			
Heptachlor	Total	375	1	0.25	0.5	ng/wet g	500	0	75	60 - 140%	PASS			
Heptachlor Epoxide	Total	378	1	0.25	0.5	ng/wet g	500	0	76	60 - 140%	PASS			
Methoxychlor	Total	365	1	0.25	0.5	ng/wet g	500	0	73	60 - 140%	PASS			
Mirex	Total	562	1	0.25	0.5	ng/wet g	500	0	112	60 - 140%	PASS			
Oxychlordane	Total	393	1	0.25	0.5	ng/wet g	500	0	79	60 - 140%	PASS			
Perthane	Total	525	1	5	10	ng/wet g	500	0	105	60 - 140%	PASS			
trans-Nonachlor	Total	344	1	0.186	0.5	ng/wet g	500	0	69	60 - 140%	PASS			
	Method: EPA 8270E-NCI					Batch ID: O-49056			Prepared: 09-Jan-25				Analyzed: 15-Jan-25	
Toxaphene	Total	4130	1	10	20	ng/wet g	5000	0	83	60 - 140%	PASS			

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119141-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**			**Received:**			
	Method: EPA 8270E					Batch ID: O-49056		Prepared: 09-Jan-25			Analyzed: 13-Jan-25			
(PCB030)	Total	105	1			% Recovery	100	0	105	52 - 124%	PASS	20	30	PASS
(PCB112)	Total	109	1			% Recovery	100	0	109	49 - 133%	PASS	15	30	PASS
(PCB198)	Total	127	1			% Recovery	100	0	127	60 - 129%	PASS	16	30	PASS
(TCMX)	Total	97	1			% Recovery	100	0	97	6 - 124%	PASS	22	30	PASS
2,4'-DDD	Total	591	1	0.267	0.5	ng/wet g	500	0	118	60 - 140%	PASS	11	30	PASS
2,4'-DDE	Total	436	1	0.2	0.5	ng/wet g	500	0	87	60 - 140%	PASS	9	30	PASS
2,4'-DDT	Total	452	1	0.194	0.5	ng/wet g	500	0	90	60 - 140%	PASS	6	30	PASS
4,4'-DDD	Total	336	1	0.198	0.5	ng/wet g	500	0	67	60 - 140%	PASS	9	30	PASS
4,4'-DDE	Total	499	1	0.193	0.5	ng/wet g	500	0	100	60 - 140%	PASS	17	30	PASS
4,4'-DDMU	Total	424	1	0.193	0.5	ng/wet g	500	0	85	70 - 113%	PASS	1	50	PASS
4,4'-DDT	Total	385	1	0.128	0.5	ng/wet g	500	0	77	60 - 140%	PASS	0	30	PASS
Aldrin	Total	465	1	0.25	0.5	ng/wet g	500	0	93	60 - 140%	PASS	9	30	PASS
BHC-alpha	Total	425	1	0.25	0.5	ng/wet g	500	0	85	60 - 140%	PASS	17	30	PASS
BHC-beta	Total	427	1	0.25	0.5	ng/wet g	500	0	85	60 - 140%	PASS	2	30	PASS
BHC-gamma	Total	441	1	0.25	0.5	ng/wet g	500	0	88	60 - 140%	PASS	21	30	PASS
Chlordane-alpha	Total	432	1	0.187	0.5	ng/wet g	500	0	86	60 - 140%	PASS	21	30	PASS
Chlordane-gamma	Total	544	1	0.179	0.5	ng/wet g	500	0	109	60 - 140%	PASS	4	30	PASS
cis-Nonachlor	Total	517	1	0.192	0.5	ng/wet g	500	0	103	60 - 140%	PASS	11	30	PASS
DCPA (Dachthal)	Total	445	1	0.25	0.5	ng/wet g	500	0	89	64 - 124%	PASS	1	50	PASS
Dicofol	Total	321	1	0.25	0.5	ng/wet g	500	0	64	49 - 124%	PASS	25	50	PASS
Dieldrin	Total	570	1	0.1	0.2	ng/wet g	500	0	114	60 - 140%	PASS	6	30	PASS
Endosulfan Sulfate	Total	499	1	0.25	0.5	ng/wet g	500	0	100	60 - 140%	PASS	15	30	PASS
Endosulfan-I	Total	205	1	0.25	0.5	ng/wet g	500	0	41	0 - 127%	PASS	24	30	PASS

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Endosulfan-II	Total	251	1	0.25	0.5	ng/wet g	500	0	50	0 - 121%	PASS	8	30	PASS	
Endrin	Total	393	1	0.25	0.5	ng/wet g	500	0	79	60 - 140%	PASS	1	30	PASS	
Endrin Aldehyde	Total	69.3	1	0.25	0.5	ng/wet g	500	0	14	0 - 135%	PASS	43	30	FAIL	M
Endrin Ketone	Total	569	1	0.25	0.5	ng/wet g	500	0	114	60 - 140%	PASS	0	30	PASS	
Heptachlor	Total	323	1	0.25	0.5	ng/wet g	500	0	65	60 - 140%	PASS	14	30	PASS	
Heptachlor Epoxide	Total	445	1	0.25	0.5	ng/wet g	500	0	89	60 - 140%	PASS	16	30	PASS	
Methoxychlor	Total	375	1	0.25	0.5	ng/wet g	500	0	75	60 - 140%	PASS	3	30	PASS	
Mirex	Total	575	1	0.25	0.5	ng/wet g	500	0	115	60 - 140%	PASS	3	30	PASS	
Oxychlordane	Total	454	1	0.25	0.5	ng/wet g	500	0	91	60 - 140%	PASS	14	30	PASS	
Perthane	Total	515	1	5	10	ng/wet g	500	0	103	60 - 140%	PASS	2	30	PASS	
trans-Nonachlor	Total	425	1	0.186	0.5	ng/wet g	500	0	85	60 - 140%	PASS	21	30	PASS	
	Method: EPA 8270E-NCI					Batch ID: O-49056			Prepared: 09-Jan-25				Analyzed: 15-Jan-25		
Toxaphene	Total	4290	1	10	20	ng/wet g	5000	0	86	60 - 140%	PASS	4	30	PASS	

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119142-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: EPA 8270E					Batch ID: O-49058		Prepared: 12-Jan-25				Analyzed: 15-Jan-25	
(PCB030)	Total	71	1			% Recovery	100	71	52 - 124%	PASS			
(PCB112)	Total	88	1			% Recovery	100	88	49 - 133%	PASS			
(PCB198)	Total	97	1			% Recovery	100	97	60 - 129%	PASS			
(TCMX)	Total	57	1			% Recovery	100	57	6 - 124%	PASS			
2,4'-DDD	Total	ND	1	0.267	0.5	ng/wet g							
2,4'-DDE	Total	ND	1	0.2	0.5	ng/wet g							
2,4'-DDT	Total	ND	1	0.194	0.5	ng/wet g							
4,4'-DDD	Total	ND	1	0.198	0.5	ng/wet g							
4,4'-DDE	Total	ND	1	0.193	0.5	ng/wet g							
4,4'-DDMU	Total	ND	1	0.193	0.5	ng/wet g							
4,4'-DDT	Total	ND	1	0.128	0.5	ng/wet g							
Aldrin	Total	ND	1	0.25	0.5	ng/wet g							
BHC-alpha	Total	ND	1	0.25	0.5	ng/wet g							
BHC-beta	Total	ND	1	0.25	0.5	ng/wet g							
BHC-gamma	Total	ND	1	0.25	0.5	ng/wet g							
Chlordane-alpha	Total	ND	1	0.187	0.5	ng/wet g							
Chlordane-gamma	Total	ND	1	0.179	0.5	ng/wet g							
cis-Nonachlor	Total	ND	1	0.192	0.5	ng/wet g							
DCPA (Dachthal)	Total	ND	1	0.25	0.5	ng/wet g							
Dicofol	Total	ND	1	0.25	0.5	ng/wet g							
Dieldrin	Total	ND	1	0.1	0.2	ng/wet g							
Endosulfan Sulfate	Total	ND	1	0.25	0.5	ng/wet g							
Endosulfan-I	Total	ND	1	0.25	0.5	ng/wet g							

Chlorinated Pesticides — QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Endosulfan-II	Total	ND	1	0.25	0.5	ng/wet g							
Endrin	Total	ND	1	0.25	0.5	ng/wet g							
Endrin Aldehyde	Total	ND	1	0.25	0.5	ng/wet g							
Endrin Ketone	Total	ND	1	0.25	0.5	ng/wet g							
Heptachlor	Total	ND	1	0.25	0.5	ng/wet g							
Heptachlor Epoxide	Total	ND	1	0.25	0.5	ng/wet g							
Methoxychlor	Total	ND	1	0.25	0.5	ng/wet g							
Mirex	Total	ND	1	0.25	0.5	ng/wet g							
Oxychlordane	Total	ND	1	0.25	0.5	ng/wet g							
Perthane	Total	ND	1	5	10	ng/wet g							
trans-Nonachlor	Total	ND	1	0.186	0.5	ng/wet g							
		Method: EPA 8270E-NCI				Batch ID: O-49058		Prepared: 10-Jan-25				Analyzed: 17-Jan-25	
Toxaphene	Total	ND	1	10	20	ng/wet g							

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119142-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**				**Received:**	
	Method: EPA 8270E					Batch ID: O-49058		Prepared: 12-Jan-25				Analyzed: 15-Jan-25	
(PCB030)	Total	88	1			% Recovery	100	0	88	52 - 124%			PASS
(PCB112)	Total	106	1			% Recovery	100	0	106	49 - 133%			PASS
(PCB198)	Total	103	1			% Recovery	100	0	103	60 - 129%			PASS
(TCMX)	Total	76	1			% Recovery	100	0	76	6 - 124%			PASS
2,4'-DDD	Total	526	1	0.267	0.5	ng/wet g	500	0	105	60 - 140%			PASS
2,4'-DDE	Total	542	1	0.2	0.5	ng/wet g	500	0	108	60 - 140%			PASS
2,4'-DDT	Total	600	1	0.194	0.5	ng/wet g	500	0	120	60 - 140%			PASS
4,4'-DDD	Total	522	1	0.198	0.5	ng/wet g	500	0	104	60 - 140%			PASS
4,4'-DDE	Total	486	1	0.193	0.5	ng/wet g	500	0	97	60 - 140%			PASS
4,4'-DDMU	Total	410	1	0.193	0.5	ng/wet g	500	0	82	70 - 113%			PASS
4,4'-DDT	Total	617	1	0.128	0.5	ng/wet g	500	0	123	60 - 140%			PASS
Aldrin	Total	511	1	0.25	0.5	ng/wet g	500	0	102	60 - 140%			PASS
BHC-alpha	Total	417	1	0.25	0.5	ng/wet g	500	0	83	60 - 140%			PASS
BHC-beta	Total	385	1	0.25	0.5	ng/wet g	500	0	77	60 - 140%			PASS
BHC-gamma	Total	382	1	0.25	0.5	ng/wet g	500	0	76	60 - 140%			PASS
Chlordane-alpha	Total	592	1	0.187	0.5	ng/wet g	500	0	118	60 - 140%			PASS
Chlordane-gamma	Total	612	1	0.179	0.5	ng/wet g	500	0	122	60 - 140%			PASS
cis-Nonachlor	Total	586	1	0.192	0.5	ng/wet g	500	0	117	60 - 140%			PASS
DCPA (Dachthal)	Total	522	1	0.25	0.5	ng/wet g	500	0	104	64 - 124%			PASS
Dicofol	Total	340	1	0.25	0.5	ng/wet g	500	0	68	49 - 124%			PASS
Dieldrin	Total	576	1	0.1	0.2	ng/wet g	500	0	115	60 - 140%			PASS
Endosulfan Sulfate	Total	536	1	0.25	0.5	ng/wet g	500	0	107	60 - 140%			PASS
Endosulfan-I	Total	17.2	1	0.25	0.5	ng/wet g	500	0	3	0 - 127%			PASS

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Endosulfan-II	Total	145	1	0.25	0.5	ng/wet g	500	0	29	0 - 121%	PASS			
Endrin	Total	586	1	0.25	0.5	ng/wet g	500	0	117	60 - 140%	PASS			
Endrin Aldehyde	Total	60.2	1	0.25	0.5	ng/wet g	500	0	12	0 - 135%	PASS			
Endrin Ketone	Total	580	1	0.25	0.5	ng/wet g	500	0	116	60 - 140%	PASS			
Heptachlor	Total	555	1	0.25	0.5	ng/wet g	500	0	111	60 - 140%	PASS			
Heptachlor Epoxide	Total	545	1	0.25	0.5	ng/wet g	500	0	109	60 - 140%	PASS			
Methoxychlor	Total	634	1	0.25	0.5	ng/wet g	500	0	127	60 - 140%	PASS			
Mirex	Total	485	1	0.25	0.5	ng/wet g	500	0	97	60 - 140%	PASS			
Oxychlordane	Total	488	1	0.25	0.5	ng/wet g	500	0	98	60 - 140%	PASS			
Perthane	Total	531	1	5	10	ng/wet g	500	0	106	60 - 140%	PASS			
trans-Nonachlor	Total	598	1	0.186	0.5	ng/wet g	500	0	120	60 - 140%	PASS			
	Method: EPA 8270E-NCI					Batch ID: O-49058			Prepared: 10-Jan-25				Analyzed: 17-Jan-25	
Toxaphene	Total	5500	1	10	20	ng/wet g	5000	0	110	60 - 140%	PASS			

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119142-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
	Method: EPA 8270E					Batch ID: O-49058		Prepared: 12-Jan-25					Analyzed: 15-Jan-25		
(PCB030)	Total	89	1			% Recovery	100	0	89	52 - 124%	PASS	1	30	PASS	
(PCB112)	Total	106	1			% Recovery	100	0	106	49 - 133%	PASS	0	30	PASS	
(PCB198)	Total	104	1			% Recovery	100	0	104	60 - 129%	PASS	1	30	PASS	
(TCMX)	Total	75	1			% Recovery	100	0	75	6 - 124%	PASS	1	30	PASS	
2,4'-DDD	Total	511	1	0.267	0.5	ng/wet g	500	0	102	60 - 140%	PASS	3	30	PASS	
2,4'-DDE	Total	535	1	0.2	0.5	ng/wet g	500	0	107	60 - 140%	PASS	1	30	PASS	
2,4'-DDT	Total	596	1	0.194	0.5	ng/wet g	500	0	119	60 - 140%	PASS	1	30	PASS	
4,4'-DDD	Total	515	1	0.198	0.5	ng/wet g	500	0	103	60 - 140%	PASS	1	30	PASS	
4,4'-DDE	Total	479	1	0.193	0.5	ng/wet g	500	0	96	60 - 140%	PASS	1	30	PASS	
4,4'-DDMU	Total	412	1	0.193	0.5	ng/wet g	500	0	82	70 - 113%	PASS	0	50	PASS	
4,4'-DDT	Total	613	1	0.128	0.5	ng/wet g	500	0	123	60 - 140%	PASS	0	30	PASS	
Aldrin	Total	498	1	0.25	0.5	ng/wet g	500	0	100	60 - 140%	PASS	2	30	PASS	
BHC-alpha	Total	426	1	0.25	0.5	ng/wet g	500	0	85	60 - 140%	PASS	2	30	PASS	
BHC-beta	Total	408	1	0.25	0.5	ng/wet g	500	0	82	60 - 140%	PASS	6	30	PASS	
BHC-gamma	Total	395	1	0.25	0.5	ng/wet g	500	0	79	60 - 140%	PASS	4	30	PASS	
Chlordane-alpha	Total	586	1	0.187	0.5	ng/wet g	500	0	117	60 - 140%	PASS	1	30	PASS	
Chlordane-gamma	Total	602	1	0.179	0.5	ng/wet g	500	0	120	60 - 140%	PASS	2	30	PASS	
cis-Nonachlor	Total	576	1	0.192	0.5	ng/wet g	500	0	115	60 - 140%	PASS	2	30	PASS	
DCPA (Dachthal)	Total	524	1	0.25	0.5	ng/wet g	500	0	105	64 - 124%	PASS	1	50	PASS	
Dicofol	Total	369	1	0.25	0.5	ng/wet g	500	0	74	49 - 124%	PASS	8	50	PASS	
Dieldrin	Total	580	1	0.1	0.2	ng/wet g	500	0	116	60 - 140%	PASS	1	30	PASS	
Endosulfan Sulfate	Total	521	1	0.25	0.5	ng/wet g	500	0	104	60 - 140%	PASS	3	30	PASS	
Endosulfan-I	Total	43.8	1	0.25	0.5	ng/wet g	500	0	9	0 - 127%	PASS	100	30	FAIL	M

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Endosulfan-II	Total	162	1	0.25	0.5	ng/wet g	500	0	32	0 - 121%	PASS	10	30	PASS
Endrin	Total	545	1	0.25	0.5	ng/wet g	500	0	109	60 - 140%	PASS	7	30	PASS
Endrin Aldehyde	Total	54.6	1	0.25	0.5	ng/wet g	500	0	11	0 - 135%	PASS	9	30	PASS
Endrin Ketone	Total	619	1	0.25	0.5	ng/wet g	500	0	124	60 - 140%	PASS	7	30	PASS
Heptachlor	Total	538	1	0.25	0.5	ng/wet g	500	0	108	60 - 140%	PASS	3	30	PASS
Heptachlor Epoxide	Total	531	1	0.25	0.5	ng/wet g	500	0	106	60 - 140%	PASS	3	30	PASS
Methoxychlor	Total	633	1	0.25	0.5	ng/wet g	500	0	127	60 - 140%	PASS	0	30	PASS
Mirex	Total	462	1	0.25	0.5	ng/wet g	500	0	92	60 - 140%	PASS	5	30	PASS
Oxychlordane	Total	498	1	0.25	0.5	ng/wet g	500	0	100	60 - 140%	PASS	2	30	PASS
Perthane	Total	521	1	5	10	ng/wet g	500	0	104	60 - 140%	PASS	2	30	PASS
trans-Nonachlor	Total	585	1	0.186	0.5	ng/wet g	500	0	117	60 - 140%	PASS	3	30	PASS
	Method: EPA 8270E-NCI					Batch ID: O-49058			Prepared: 10-Jan-25				Analyzed: 17-Jan-25	
Toxaphene	Total	4390	1	10	20	ng/wet g	5000	0	88	60 - 140%	PASS	22	30	PASS

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119143-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: EPA 8270E					Batch ID: O-49060		Prepared: 13-Jan-25				Analyzed: 16-Jan-25	
(PCB030)	Total	61	1			% Recovery	100	61	52 - 124%	PASS			
(PCB112)	Total	95	1			% Recovery	100	95	49 - 133%	PASS			
(PCB198)	Total	110	1			% Recovery	100	110	60 - 129%	PASS			
(TCMX)	Total	53	1			% Recovery	100	53	6 - 124%	PASS			
2,4'-DDD	Total	ND	1	0.267	0.5	ng/wet g							
2,4'-DDE	Total	ND	1	0.2	0.5	ng/wet g							
2,4'-DDT	Total	ND	1	0.194	0.5	ng/wet g							
4,4'-DDD	Total	ND	1	0.198	0.5	ng/wet g							
4,4'-DDE	Total	ND	1	0.193	0.5	ng/wet g							
4,4'-DDMU	Total	ND	1	0.193	0.5	ng/dry g							
4,4'-DDT	Total	ND	1	0.128	0.5	ng/wet g							
Aldrin	Total	ND	1	0.25	0.5	ng/wet g							
BHC-alpha	Total	ND	1	0.25	0.5	ng/wet g							
BHC-beta	Total	ND	1	0.25	0.5	ng/wet g							
BHC-gamma	Total	ND	1	0.25	0.5	ng/wet g							
Chlordane-alpha	Total	ND	1	0.187	0.5	ng/wet g							
Chlordane-gamma	Total	ND	1	0.179	0.5	ng/wet g							
cis-Nonachlor	Total	ND	1	0.192	0.5	ng/wet g							
DCPA (Dachthal)	Total	ND	1	0.25	0.5	ng/dry g							
Dicofol	Total	ND	1	0.25	0.5	ng/dry g							
Dieldrin	Total	ND	1	0.1	0.2	ng/wet g							
Endosulfan Sulfate	Total	ND	1	0.25	0.5	ng/wet g							
Endosulfan-I	Total	ND	1	0.25	0.5	ng/wet g							

Chlorinated Pesticides — QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Endosulfan-II	Total	ND	1	0.25	0.5	ng/wet g							
Endrin	Total	ND	1	0.25	0.5	ng/wet g							
Endrin Aldehyde	Total	ND	1	0.25	0.5	ng/wet g							
Endrin Ketone	Total	ND	1	0.25	0.5	ng/wet g							
Heptachlor	Total	ND	1	0.25	0.5	ng/wet g							
Heptachlor Epoxide	Total	ND	1	0.25	0.5	ng/wet g							
Methoxychlor	Total	ND	1	0.25	0.5	ng/wet g							
Mirex	Total	ND	1	0.25	0.5	ng/wet g							
Oxychlordane	Total	ND	1	0.25	0.5	ng/wet g							
Perthane	Total	ND	1	5	10	ng/wet g							
trans-Nonachlor	Total	ND	1	0.186	0.5	ng/wet g							
		Method: EPA 8270E-NCI				Batch ID: O-49060		Prepared: 13-Jan-25				Analyzed: 19-Jan-25	
Toxaphene	Total	ND	1	10	20	ng/wet g							

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119143-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**				**Received:**	
	Method: EPA 8270E					Batch ID: O-49060		Prepared: 13-Jan-25				Analyzed: 16-Jan-25	
(PCB030)	Total	72	1			% Recovery	100	0	72	52 - 124%			PASS
(PCB112)	Total	115	1			% Recovery	100	0	115	49 - 133%			PASS
(PCB198)	Total	127	1			% Recovery	100	0	127	60 - 129%			PASS
(TCMX)	Total	62	1			% Recovery	100	0	62	6 - 124%			PASS
2,4'-DDD	Total	658	1	0.267	0.5	ng/wet g	500	0	132	60 - 140%			PASS
2,4'-DDE	Total	538	1	0.2	0.5	ng/wet g	500	0	108	60 - 140%			PASS
2,4'-DDT	Total	429	1	0.194	0.5	ng/wet g	500	0	86	60 - 140%			PASS
4,4'-DDD	Total	395	1	0.198	0.5	ng/wet g	500	0	79	60 - 140%			PASS
4,4'-DDE	Total	398	1	0.193	0.5	ng/wet g	500	0	80	60 - 140%			PASS
4,4'-DDMU	Total	386	1	0.193	0.5	ng/dry g	500	0	77	70 - 113%			PASS
4,4'-DDT	Total	373	1	0.128	0.5	ng/wet g	500	0	75	60 - 140%			PASS
Aldrin	Total	342	1	0.25	0.5	ng/wet g	500	0	68	60 - 140%			PASS
BHC-alpha	Total	308	1	0.25	0.5	ng/wet g	500	0	62	60 - 140%			PASS
BHC-beta	Total	377	1	0.25	0.5	ng/wet g	500	0	75	60 - 140%			PASS
BHC-gamma	Total	331	1	0.25	0.5	ng/wet g	500	0	66	60 - 140%			PASS
Chlordane-alpha	Total	498	1	0.187	0.5	ng/wet g	500	0	100	60 - 140%			PASS
Chlordane-gamma	Total	519	1	0.179	0.5	ng/wet g	500	0	104	60 - 140%			PASS
cis-Nonachlor	Total	525	1	0.192	0.5	ng/wet g	500	0	105	60 - 140%			PASS
DCPA (Dachthal)	Total	427	1	0.25	0.5	ng/dry g	500	0	85	64 - 124%			PASS
Dicofol	Total	506	1	0.25	0.5	ng/dry g	500	0	101	49 - 124%			PASS
Dieldrin	Total	601	1	0.1	0.2	ng/wet g	500	0	120	60 - 140%			PASS
Endosulfan Sulfate	Total	563	1	0.25	0.5	ng/wet g	500	0	113	60 - 140%			PASS
Endosulfan-I	Total	423	1	0.25	0.5	ng/wet g	500	0	85	0 - 127%			PASS

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Endosulfan-II	Total	212	1	0.25	0.5	ng/wet g	500	0	42	0 - 121%	PASS			
Endrin	Total	630	1	0.25	0.5	ng/wet g	500	0	126	60 - 140%	PASS			
Endrin Aldehyde	Total	27.4	1	0.25	0.5	ng/wet g	500	0	5	0 - 135%	PASS			
Endrin Ketone	Total	441	1	0.25	0.5	ng/wet g	500	0	88	60 - 140%	PASS			
Heptachlor	Total	544	1	0.25	0.5	ng/wet g	500	0	109	60 - 140%	PASS			
Heptachlor Epoxide	Total	394	1	0.25	0.5	ng/wet g	500	0	79	60 - 140%	PASS			
Methoxychlor	Total	510	1	0.25	0.5	ng/wet g	500	0	102	60 - 140%	PASS			
Mirex	Total	601	1	0.25	0.5	ng/wet g	500	0	120	60 - 140%	PASS			
Oxychlordane	Total	337	1	0.25	0.5	ng/wet g	500	0	67	60 - 140%	PASS			
Perthane	Total	589	1	5	10	ng/wet g	500	0	118	60 - 140%	PASS			
trans-Nonachlor	Total	509	1	0.186	0.5	ng/wet g	500	0	102	60 - 140%	PASS			
	Method: EPA 8270E-NCI					Batch ID: O-49060			Prepared: 13-Jan-25				Analyzed: 19-Jan-25	
Toxaphene	Total	4910	1	10	20	ng/wet g	5000	0	98	60 - 140%	PASS			

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119143-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**			**Received:**			
	Method: EPA 8270E					Batch ID: O-49060		Prepared: 13-Jan-25			Analyzed: 17-Jan-25			
(PCB030)	Total	70	1			% Recovery	100	0	70	52 - 124%	PASS	3	30	PASS
(PCB112)	Total	117	1			% Recovery	100	0	117	49 - 133%	PASS	2	30	PASS
(PCB198)	Total	123	1			% Recovery	100	0	123	60 - 129%	PASS	3	30	PASS
(TCMX)	Total	62	1			% Recovery	100	0	62	6 - 124%	PASS	0	30	PASS
2,4'-DDD	Total	674	1	0.267	0.5	ng/wet g	500	0	135	60 - 140%	PASS	2	30	PASS
2,4'-DDE	Total	566	1	0.2	0.5	ng/wet g	500	0	113	60 - 140%	PASS	5	30	PASS
2,4'-DDT	Total	464	1	0.194	0.5	ng/wet g	500	0	93	60 - 140%	PASS	8	30	PASS
4,4'-DDD	Total	422	1	0.198	0.5	ng/wet g	500	0	84	60 - 140%	PASS	6	30	PASS
4,4'-DDE	Total	414	1	0.193	0.5	ng/wet g	500	0	83	60 - 140%	PASS	4	30	PASS
4,4'-DDMU	Total	389	1	0.193	0.5	ng/dry g	500	0	78	70 - 113%	PASS	1	50	PASS
4,4'-DDT	Total	391	1	0.128	0.5	ng/wet g	500	0	78	60 - 140%	PASS	4	30	PASS
Aldrin	Total	347	1	0.25	0.5	ng/wet g	500	0	69	60 - 140%	PASS	1	30	PASS
BHC-alpha	Total	301	1	0.25	0.5	ng/wet g	500	0	60	60 - 140%	PASS	3	30	PASS
BHC-beta	Total	360	1	0.25	0.5	ng/wet g	500	0	72	60 - 140%	PASS	4	30	PASS
BHC-gamma	Total	319	1	0.25	0.5	ng/wet g	500	0	64	60 - 140%	PASS	3	30	PASS
Chlordane-alpha	Total	519	1	0.187	0.5	ng/wet g	500	0	104	60 - 140%	PASS	4	30	PASS
Chlordane-gamma	Total	531	1	0.179	0.5	ng/wet g	500	0	106	60 - 140%	PASS	2	30	PASS
cis-Nonachlor	Total	541	1	0.192	0.5	ng/wet g	500	0	108	60 - 140%	PASS	3	30	PASS
DCPA (Dachthal)	Total	434	1	0.25	0.5	ng/dry g	500	0	87	64 - 124%	PASS	2	50	PASS
Dicofol	Total	532	1	0.25	0.5	ng/dry g	500	0	106	49 - 124%	PASS	5	50	PASS
Dieldrin	Total	632	1	0.1	0.2	ng/wet g	500	0	126	60 - 140%	PASS	5	30	PASS
Endosulfan Sulfate	Total	593	1	0.25	0.5	ng/wet g	500	0	119	60 - 140%	PASS	5	30	PASS
Endosulfan-I	Total	460	1	0.25	0.5	ng/wet g	500	0	92	0 - 127%	PASS	8	30	PASS

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Endosulfan-II	Total	349	1	0.25	0.5	ng/wet g	500	0	70	0 - 121%	PASS	50	30	FAIL	M
Endrin	Total	632	1	0.25	0.5	ng/wet g	500	0	126	60 - 140%	PASS	0	30	PASS	
Endrin Aldehyde	Total	19.1	1	0.25	0.5	ng/wet g	500	0	4	0 - 135%	PASS	22	30	PASS	
Endrin Ketone	Total	471	1	0.25	0.5	ng/wet g	500	0	94	60 - 140%	PASS	7	30	PASS	
Heptachlor	Total	565	1	0.25	0.5	ng/wet g	500	0	113	60 - 140%	PASS	4	30	PASS	
Heptachlor Epoxide	Total	404	1	0.25	0.5	ng/wet g	500	0	81	60 - 140%	PASS	2	30	PASS	
Methoxychlor	Total	525	1	0.25	0.5	ng/wet g	500	0	105	60 - 140%	PASS	3	30	PASS	
Mirex	Total	627	1	0.25	0.5	ng/wet g	500	0	125	60 - 140%	PASS	4	30	PASS	
Oxychlordane	Total	355	1	0.25	0.5	ng/wet g	500	0	71	60 - 140%	PASS	6	30	PASS	
Perthane	Total	520	1	5	10	ng/wet g	500	0	104	60 - 140%	PASS	13	30	PASS	
trans-Nonachlor	Total	526	1	0.186	0.5	ng/wet g	500	0	105	60 - 140%	PASS	3	30	PASS	
	Method: EPA 8270E-NCI					Batch ID: O-49060			Prepared: 13-Jan-25				Analyzed: 19-Jan-25		
Toxaphene	Total	4700	1	10	20	ng/wet g	5000	0	94	60 - 140%	PASS	4	30	PASS	

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119144-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: EPA 8270E					Batch ID: O-49062	Prepared: 14-Jan-25					Analyzed: 18-Jan-25	
(PCB030)	Total	74	1			% Recovery	100		74	52 - 124%		PASS	
(PCB112)	Total	96	1			% Recovery	100		96	49 - 133%		PASS	
(PCB198)	Total	100	1			% Recovery	100		100	60 - 129%		PASS	
(TCMX)	Total	67	1			% Recovery	100		67	6 - 124%		PASS	
2,4'-DDD	Total	ND	1	0.267	0.5	ng/wet g							
2,4'-DDE	Total	ND	1	0.2	0.5	ng/wet g							
2,4'-DDT	Total	ND	1	0.194	0.5	ng/wet g							
4,4'-DDD	Total	ND	1	0.198	0.5	ng/wet g							
4,4'-DDE	Total	ND	1	0.193	0.5	ng/wet g							
4,4'-DDMU	Total	ND	1	0.193	0.5	ng/wet g							
4,4'-DDT	Total	ND	1	0.128	0.5	ng/wet g							
Aldrin	Total	ND	1	0.25	0.5	ng/wet g							
BHC-alpha	Total	ND	1	0.25	0.5	ng/wet g							
BHC-beta	Total	ND	1	0.25	0.5	ng/wet g							
BHC-gamma	Total	ND	1	0.25	0.5	ng/wet g							
Chlordane-alpha	Total	ND	1	0.187	0.5	ng/wet g							
Chlordane-gamma	Total	ND	1	0.179	0.5	ng/wet g							
cis-Nonachlor	Total	ND	1	0.192	0.5	ng/wet g							
DCPA (Dachthal)	Total	ND	1	0.25	0.5	ng/wet g							
Dicofol	Total	ND	1	0.25	0.5	ng/wet g							
Dieldrin	Total	ND	1	0.1	0.2	ng/wet g							
Endosulfan Sulfate	Total	ND	1	0.25	0.5	ng/wet g							
Endosulfan-I	Total	ND	1	0.25	0.5	ng/wet g							

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Endosulfan-II	Total	ND	1	0.25	0.5	ng/wet g							
Endrin	Total	ND	1	0.25	0.5	ng/wet g							
Endrin Aldehyde	Total	ND	1	0.25	0.5	ng/wet g							
Endrin Ketone	Total	ND	1	0.25	0.5	ng/wet g							
Heptachlor	Total	ND	1	0.25	0.5	ng/wet g							
Heptachlor Epoxide	Total	ND	1	0.25	0.5	ng/wet g							
Methoxychlor	Total	ND	1	0.25	0.5	ng/wet g							
Mirex	Total	ND	1	0.25	0.5	ng/wet g							
Oxychlordane	Total	ND	1	0.25	0.5	ng/wet g							
Perthane	Total	ND	1	5	10	ng/wet g							
trans-Nonachlor	Total	ND	1	0.186	0.5	ng/wet g							
		Method: EPA 8270E-NCI				Batch ID: O-49062		Prepared: 14-Jan-25				Analyzed: 20-Jan-25	
Toxaphene	Total	ND	1	10	20	ng/wet g							

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119144-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**				**Received:**	
	Method: EPA 8270E					Batch ID: O-49062		Prepared: 14-Jan-25				Analyzed: 18-Jan-25	
(PCB030)	Total	87	1			% Recovery	100	0	87	52 - 124%	PASS		
(PCB112)	Total	88	1			% Recovery	100	0	88	49 - 133%	PASS		
(PCB198)	Total	69	1			% Recovery	100	0	69	60 - 129%	PASS		
(TCMX)	Total	60	1			% Recovery	100	0	60	6 - 124%	PASS		
2,4'-DDD	Total	423	1	0.267	0.5	ng/wet g	500	0	85	60 - 140%	PASS		
2,4'-DDE	Total	308	1	0.2	0.5	ng/wet g	500	0	62	60 - 140%	PASS		
2,4'-DDT	Total	515	1	0.194	0.5	ng/wet g	500	0	103	60 - 140%	PASS		
4,4'-DDD	Total	478	1	0.198	0.5	ng/wet g	500	0	96	60 - 140%	PASS		
4,4'-DDE	Total	430	1	0.193	0.5	ng/wet g	500	0	86	60 - 140%	PASS		
4,4'-DDMU	Total	346	1	0.193	0.5	ng/wet g	500	0	69	70 - 113%	PASS		
4,4'-DDT	Total	450	1	0.128	0.5	ng/wet g	500	0	90	60 - 140%	PASS		
Aldrin	Total	372	1	0.25	0.5	ng/wet g	500	0	74	60 - 140%	FAIL		R
BHC-alpha	Total	383	1	0.25	0.5	ng/wet g	500	0	77	60 - 140%	PASS		
BHC-beta	Total	344	1	0.25	0.5	ng/wet g	500	0	69	60 - 140%	PASS		
BHC-gamma	Total	417	1	0.25	0.5	ng/wet g	500	0	83	60 - 140%	PASS		
Chlordane-alpha	Total	395	1	0.187	0.5	ng/wet g	500	0	79	60 - 140%	PASS		
Chlordane-gamma	Total	539	1	0.179	0.5	ng/wet g	500	0	108	60 - 140%	PASS		
cis-Nonachlor	Total	477	1	0.192	0.5	ng/wet g	500	0	95	60 - 140%	PASS		
DCPA (Dachthal)	Total	391	1	0.25	0.5	ng/wet g	500	0	78	64 - 124%	PASS		
Dicofol	Total	323	1	0.25	0.5	ng/wet g	500	0	65	49 - 124%	PASS		
Dieldrin	Total	437	1	0.1	0.2	ng/wet g	500	0	87	60 - 140%	PASS		
Endosulfan Sulfate	Total	423	1	0.25	0.5	ng/wet g	500	0	85	60 - 140%	PASS		
Endosulfan-I	Total	132	1	0.25	0.5	ng/wet g	500	0	26	0 - 127%	PASS		

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Endosulfan-II	Total	242	1	0.25	0.5	ng/wet g	500	0	48	0 - 121%	PASS			
Endrin	Total	310	1	0.25	0.5	ng/wet g	500	0	62	60 - 140%	PASS			
Endrin Aldehyde	Total	37.2	1	0.25	0.5	ng/wet g	500	0	7	0 - 135%	PASS			
Endrin Ketone	Total	401	1	0.25	0.5	ng/wet g	500	0	80	60 - 140%	PASS			
Heptachlor	Total	292	1	0.25	0.5	ng/wet g	500	0	58	60 - 140%	FAIL			R
Heptachlor Epoxide	Total	374	1	0.25	0.5	ng/wet g	500	0	75	60 - 140%	PASS			
Methoxychlor	Total	505	1	0.25	0.5	ng/wet g	500	0	101	60 - 140%	PASS			
Mirex	Total	345	1	0.25	0.5	ng/wet g	500	0	69	60 - 140%	PASS			
Oxychlordane	Total	377	1	0.25	0.5	ng/wet g	500	0	75	60 - 140%	PASS			
Perthane	Total	414	1	5	10	ng/wet g	500	0	83	60 - 140%	PASS			
trans-Nonachlor	Total	485	1	0.186	0.5	ng/wet g	500	0	97	60 - 140%	PASS			
	Method: EPA 8270E-NCI					Batch ID: O-49062			Prepared: 14-Jan-25				Analyzed: 20-Jan-25	
Toxaphene	Total	5240	1	10	20	ng/wet g	5000	0	105	60 - 140%	PASS			

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119144-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**			**Received:**			
		Method: EPA 8270E				Batch ID: O-49062		Prepared: 14-Jan-25			Analyzed: 18-Jan-25			
(PCB030)	Total	88	1			% Recovery	100	0	88	52 - 124%	PASS	1	30	PASS
(PCB112)	Total	101	1			% Recovery	100	0	101	49 - 133%	PASS	14	30	PASS
(PCB198)	Total	68	1			% Recovery	100	0	68	60 - 129%	PASS	1	30	PASS
(TCMX)	Total	60	1			% Recovery	100	0	60	6 - 124%	PASS	0	30	PASS
2,4'-DDD	Total	463	1	0.267	0.5	ng/wet g	500	0	93	60 - 140%	PASS	9	30	PASS
2,4'-DDE	Total	299	1	0.2	0.5	ng/wet g	500	0	60	60 - 140%	PASS	3	30	PASS
2,4'-DDT	Total	523	1	0.194	0.5	ng/wet g	500	0	105	60 - 140%	PASS	2	30	PASS
4,4'-DDD	Total	494	1	0.198	0.5	ng/wet g	500	0	99	60 - 140%	PASS	3	30	PASS
4,4'-DDE	Total	365	1	0.193	0.5	ng/wet g	500	0	73	60 - 140%	PASS	16	30	PASS
4,4'-DDMU	Total	350	1	0.193	0.5	ng/wet g	500	0	70	70 - 113%	PASS	1	50	PASS
4,4'-DDT	Total	458	1	0.128	0.5	ng/wet g	500	0	92	60 - 140%	PASS	2	30	PASS
Aldrin	Total	307	1	0.25	0.5	ng/wet g	500	0	61	60 - 140%	PASS	19	30	PASS
BHC-alpha	Total	322	1	0.25	0.5	ng/wet g	500	0	64	60 - 140%	PASS	18	30	PASS
BHC-beta	Total	322	1	0.25	0.5	ng/wet g	500	0	64	60 - 140%	PASS	8	30	PASS
BHC-gamma	Total	414	1	0.25	0.5	ng/wet g	500	0	83	60 - 140%	PASS	0	30	PASS
Chlordane-alpha	Total	399	1	0.187	0.5	ng/wet g	500	0	80	60 - 140%	PASS	1	30	PASS
Chlordane-gamma	Total	533	1	0.179	0.5	ng/wet g	500	0	107	60 - 140%	PASS	1	30	PASS
cis-Nonachlor	Total	437	1	0.192	0.5	ng/wet g	500	0	87	60 - 140%	PASS	9	30	PASS
DCPA (Dachthal)	Total	419	1	0.25	0.5	ng/wet g	500	0	84	64 - 124%	PASS	7	50	PASS
Dicofol	Total	334	1	0.25	0.5	ng/wet g	500	0	67	49 - 124%	PASS	3	50	PASS
Dieldrin	Total	387	1	0.1	0.2	ng/wet g	500	0	77	60 - 140%	PASS	12	30	PASS
Endosulfan Sulfate	Total	409	1	0.25	0.5	ng/wet g	500	0	82	60 - 140%	PASS	4	30	PASS
Endosulfan-I	Total	156	1	0.25	0.5	ng/wet g	500	0	31	0 - 127%	PASS	18	30	PASS

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Endosulfan-II	Total	284	1	0.25	0.5	ng/wet g	500	0	57	0 - 121%	PASS	17	30	PASS	
Endrin	Total	297	1	0.25	0.5	ng/wet g	500	0	59	60 - 140%	FAIL	5	30	PASS	R
Endrin Aldehyde	Total	74.4	1	0.25	0.5	ng/wet g	500	0	15	0 - 135%	PASS	73	30	FAIL	M
Endrin Ketone	Total	432	1	0.25	0.5	ng/wet g	500	0	86	60 - 140%	PASS	7	30	PASS	
Heptachlor	Total	308	1	0.25	0.5	ng/wet g	500	0	62	60 - 140%	PASS	7	30	PASS	
Heptachlor Epoxide	Total	394	1	0.25	0.5	ng/wet g	500	0	79	60 - 140%	PASS	5	30	PASS	
Methoxychlor	Total	533	1	0.25	0.5	ng/wet g	500	0	107	60 - 140%	PASS	6	30	PASS	
Mirex	Total	411	1	0.25	0.5	ng/wet g	500	0	82	60 - 140%	PASS	17	30	PASS	
Oxychlordane	Total	343	1	0.25	0.5	ng/wet g	500	0	69	60 - 140%	PASS	8	30	PASS	
Perthane	Total	468	1	5	10	ng/wet g	500	0	94	60 - 140%	PASS	12	30	PASS	
trans-Nonachlor	Total	499	1	0.186	0.5	ng/wet g	500	0	100	60 - 140%	PASS	3	30	PASS	
	Method: EPA 8270E-NCI					Batch ID: O-49062			Prepared: 14-Jan-25				Analyzed: 20-Jan-25		
Toxaphene	Total	4880	1	10	20	ng/wet g	5000	0	98	60 - 140%	PASS	7	30	PASS	

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119145-CRM1	**QAQC CRM - SRM 1974c**					**Matrix: Tissue**		**Sampled:**				**Received:**	
		Method: EPA 8270E				Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 13-Jan-25	
(PCB030)	Total	122	1			% Recovery	100	122	60 - 140%	PASS			
(PCB112)	Total	85	1			% Recovery	100	85	60 - 140%	PASS			
(PCB198)	Total	91	1			% Recovery	100	91	60 - 140%	PASS			
(TCMX)	Total	108	1			% Recovery	100	108	60 - 140%	PASS			
2,4'-DDD	Total	0.411	1	0.267	0.5	ng/wet g	0.398	103	50 - 150%	PASS			J
2,4'-DDE	Total	0.319	1	0.2	0.5	ng/wet g	0.346	92	50 - 150%	PASS			J
2,4'-DDT	Total	0.789	1	0.194	0.5	ng/wet g	0.942	84	50 - 150%	PASS			
4,4'-DDD	Total	1.05	1	0.198	0.5	ng/wet g	1.3	81	50 - 150%	PASS			
4,4'-DDE	Total	1.51	1	0.193	0.5	ng/wet g	1.85	82	50 - 150%	PASS			
Chlordane-alpha	Total	1.08	1	0.187	0.5	ng/wet g	1.2	90	50 - 150%	PASS			
Chlordane-gamma	Total	0.661	1	0.179	0.5	ng/wet g	0.741	89	50 - 150%	PASS			
cis-Nonachlor	Total	0.295	1	0.192	0.5	ng/wet g	0.286	103	50 - 150%	PASS			J
Dieldrin	Total	0.249	1	0.1	0.2	ng/wet g	0.285	87	50 - 150%	PASS			
Heptachlor	Total	0.142	1	0.25	0.5	ng/wet g	0.132	108	50 - 150%	PASS			J
Mirex	Total	0.152	1	0.25	0.5	ng/wet g	0.164	93	50 - 150%	PASS			J
trans-Nonachlor	Total	0.543	1	0.186	0.5	ng/wet g	0.742	73	50 - 150%	PASS			

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119146-CRM1	**QAQC CRM - SRM 1974c**					**Matrix: Tissue**		**Sampled:**				**Received:**	
		Method: EPA 8270E				Batch ID: O-49058		Prepared: 12-Jan-25				Analyzed: 16-Jan-25	
(PCB030)	Total	91	1			% Recovery	100	91	60 - 140%	PASS			
(PCB112)	Total	88	1			% Recovery	100	88	60 - 140%	PASS			
(PCB198)	Total	92	1			% Recovery	100	92	60 - 140%	PASS			
(TCMX)	Total	74	1			% Recovery	100	74	60 - 140%	PASS			
2,4'-DDD	Total	0.341	1	0.267	0.5	ng/wet g	0.398	86	50 - 150%	PASS			J
2,4'-DDE	Total	0.34	1	0.2	0.5	ng/wet g	0.346	98	50 - 150%	PASS			J
2,4'-DDT	Total	0.744	1	0.194	0.5	ng/wet g	0.942	79	50 - 150%	PASS			
4,4'-DDD	Total	1.42	1	0.198	0.5	ng/wet g	1.3	109	50 - 150%	PASS			
4,4'-DDE	Total	2.03	1	0.193	0.5	ng/wet g	1.85	110	50 - 150%	PASS			
Chlordane-alpha	Total	0.805	1	0.187	0.5	ng/wet g	1.2	67	50 - 150%	PASS			
Chlordane-gamma	Total	0.648	1	0.179	0.5	ng/wet g	0.741	87	50 - 150%	PASS			
cis-Nonachlor	Total	0.222	1	0.192	0.5	ng/wet g	0.286	78	50 - 150%	PASS			J
Dieldrin	Total	0.263	1	0.1	0.2	ng/wet g	0.285	92	50 - 150%	PASS			
Heptachlor	Total	ND	1	0.25	0.5	ng/wet g	0.132	0	50 - 150%	FAIL			SL
Mirex	Total	0.199	1	0.25	0.5	ng/wet g	0.164	121	50 - 150%	PASS			J
trans-Nonachlor	Total	0.642	1	0.186	0.5	ng/wet g	0.742	87	50 - 150%	PASS			

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119147-CRM1	**QAQC CRM - SRM 1974c**					**Matrix: Tissue**		**Sampled:**				**Received:**	
		Method: EPA 8270E				Batch ID: O-49060		Prepared: 13-Jan-25				Analyzed: 17-Jan-25	
(PCB030)	Total	97	1			% Recovery	100	97	60 - 140%	PASS			
(PCB112)	Total	138	1			% Recovery	100	138	60 - 140%	PASS			
(PCB198)	Total	99	1			% Recovery	100	99	60 - 140%	PASS			
(TCMX)	Total	87	1			% Recovery	100	87	60 - 140%	PASS			
2,4'-DDD	Total	0.587	1	0.267	0.5	ng/wet g	0.398	147	50 - 150%	PASS			
2,4'-DDE	Total	0.362	1	0.2	0.5	ng/wet g	0.346	105	50 - 150%	PASS			J
2,4'-DDT	Total	1.12	1	0.194	0.5	ng/wet g	0.942	119	50 - 150%	PASS			
4,4'-DDD	Total	1.13	1	0.198	0.5	ng/wet g	1.3	87	50 - 150%	PASS			
4,4'-DDE	Total	1.81	1	0.193	0.5	ng/wet g	1.85	98	50 - 150%	PASS			
Chlordane-alpha	Total	0.723	1	0.187	0.5	ng/wet g	1.2	60	50 - 150%	PASS			
Chlordane-gamma	Total	0.527	1	0.179	0.5	ng/wet g	0.741	71	50 - 150%	PASS			
cis-Nonachlor	Total	0.252	1	0.192	0.5	ng/wet g	0.286	88	50 - 150%	PASS			J
Dieldrin	Total	0.319	1	0.1	0.2	ng/wet g	0.285	112	50 - 150%	PASS			
Heptachlor	Total	ND	1	0.25	0.5	ng/wet g	0.132	0	50 - 150%	FAIL			SL
Mirex	Total	ND	1	0.25	0.5	ng/wet g	0.164	0	50 - 150%	FAIL			SL
trans-Nonachlor	Total	0.701	1	0.186	0.5	ng/wet g	0.742	94	50 - 150%	PASS			

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119148-CRM1	**QAQC CRM - SRM 1974c**					**Matrix: Tissue**		**Sampled:**				**Received:**	
		Method: EPA 8270E				Batch ID: O-49062		Prepared: 14-Jan-25				Analyzed: 19-Jan-25	
(PCB030)	Total	98	1			% Recovery	100	98	60 - 140%	PASS			
(PCB112)	Total	86	1			% Recovery	100	86	60 - 140%	PASS			
(PCB198)	Total	115	1			% Recovery	100	115	60 - 140%	PASS			
(TCMX)	Total	109	1			% Recovery	100	109	60 - 140%	PASS			
2,4'-DDD	Total	0.309	1	0.267	0.5	ng/wet g	0.398	78	50 - 150%	PASS			J
2,4'-DDE	Total	0.321	1	0.2	0.5	ng/wet g	0.346	93	50 - 150%	PASS			J
2,4'-DDT	Total	0.874	1	0.194	0.5	ng/wet g	0.942	93	50 - 150%	PASS			
4,4'-DDD	Total	1.67	1	0.198	0.5	ng/wet g	1.3	128	50 - 150%	PASS			
4,4'-DDE	Total	2.7	1	0.193	0.5	ng/wet g	1.85	146	50 - 150%	PASS			
Chlordane-alpha	Total	1.64	1	0.187	0.5	ng/wet g	1.2	137	50 - 150%	PASS			
Chlordane-gamma	Total	0.554	1	0.179	0.5	ng/wet g	0.741	75	50 - 150%	PASS			
cis-Nonachlor	Total	0.195	1	0.192	0.5	ng/wet g	0.286	68	50 - 150%	PASS			J
Dieldrin	Total	0.303	1	0.1	0.2	ng/wet g	0.285	106	50 - 150%	PASS			
Heptachlor	Total	ND	1	0.25	0.5	ng/wet g	0.132	0	50 - 150%	FAIL			SL
Mirex	Total	0.182	1	0.25	0.5	ng/wet g	0.164	111	50 - 150%	PASS			J
trans-Nonachlor	Total	0.564	1	0.186	0.5	ng/wet g	0.742	76	50 - 150%	PASS			

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119161-MS1	**SSB-OS-C1-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 07-Sep-23**				**Received: 17-Jun-24**	
		Method: EPA 8270E				Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 14-Jan-25	
(PCB030)	Total	106	1			% Recovery	100	0	106	52 - 124%			PASS
(PCB112)	Total	71	1			% Recovery	100	0	71	49 - 133%			PASS
(PCB198)	Total	85	1			% Recovery	100	0	85	60 - 129%			PASS
(TCMX)	Total	96	1			% Recovery	100	0	96	6 - 124%			PASS
2,4'-DDD	Total	448	1	0.267	0.5	ng/wet g	500	0.276	90	50 - 150%			PASS
2,4'-DDE	Total	429	1	0.2	0.5	ng/wet g	500	0	86	50 - 150%			PASS
2,4'-DDT	Total	389	1	0.194	0.5	ng/wet g	500	0	78	50 - 150%			PASS
4,4'-DDD	Total	352	1	0.198	0.5	ng/wet g	500	0	70	50 - 150%			PASS
4,4'-DDE	Total	502	1	0.193	0.5	ng/wet g	500	8.11	99	50 - 150%			PASS
4,4'-DDMU	Total	335	1	0.193	0.5	ng/wet g	500	0	67	50 - 150%			PASS
4,4'-DDT	Total	317	1	0.128	0.5	ng/wet g	500	0	63	50 - 150%			PASS
Aldrin	Total	518	1	0.25	0.5	ng/wet g	500	0	104	50 - 150%			PASS
BHC-alpha	Total	456	1	0.25	0.5	ng/wet g	500	0	91	50 - 150%			PASS
BHC-beta	Total	456	1	0.25	0.5	ng/wet g	500	0	91	50 - 150%			PASS
BHC-gamma	Total	439	1	0.25	0.5	ng/wet g	500	0	88	50 - 150%			PASS
Chlordane-alpha	Total	418	1	0.187	0.5	ng/wet g	500	0	84	50 - 150%			PASS
Chlordane-gamma	Total	451	1	0.179	0.5	ng/wet g	500	0	90	50 - 150%			PASS
cis-Nonachlor	Total	646	1	0.192	0.5	ng/wet g	500	0	129	50 - 150%			PASS
DCPA (Dachthal)	Total	497	1	0.25	0.5	ng/wet g	500	0	99	50 - 150%			PASS
Dicofol	Total	308	1	0.25	0.5	ng/wet g	500	0	62	50 - 150%			PASS
Dieldrin	Total	571	1	0.1	0.2	ng/wet g	500	0	114	50 - 150%			PASS
Endosulfan Sulfate	Total	397	1	0.25	0.5	ng/wet g	500	0	79	50 - 150%			PASS
Endosulfan-I	Total	355	1	0.25	0.5	ng/wet g	500	0	71	50 - 150%			PASS

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Endosulfan-II	Total	176	1	0.25	0.5	ng/wet g	500	0	35	50 - 150%	FAIL			Q
Endrin	Total	289	1	0.25	0.5	ng/wet g	500	0	58	50 - 150%	PASS			
Endrin Aldehyde	Total	55	1	0.25	0.5	ng/wet g	500	0	11	50 - 150%	FAIL			Q
Endrin Ketone	Total	473	1	0.25	0.5	ng/wet g	500	0	95	50 - 150%	PASS			
Heptachlor	Total	416	1	0.25	0.5	ng/wet g	500	0	83	50 - 150%	PASS			
Heptachlor Epoxide	Total	473	1	0.25	0.5	ng/wet g	500	0	95	50 - 150%	PASS			
Methoxychlor	Total	291	1	0.25	0.5	ng/wet g	500	0	58	50 - 150%	PASS			
Mirex	Total	483	1	0.25	0.5	ng/wet g	500	0	97	50 - 150%	PASS			
Oxychlordane	Total	445	1	0.25	0.5	ng/wet g	500	0	89	50 - 150%	PASS			
Perthane	Total	448	1	5	10	ng/wet g	500	0	90	50 - 150%	PASS			
trans-Nonachlor	Total	406	1	0.186	0.5	ng/wet g	500	0.237	81	50 - 150%	PASS			
	Method: EPA 8270E-NCI					Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 15-Jan-25		
Toxaphene	Total	2790	1	10	20	ng/wet g	5000	0	56	50 - 150%	PASS			

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119161-MS2	**SSB-OS-C1-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 07-Sep-23**				**Received: 17-Jun-24**		
	Method: EPA 8270E					Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 14-Jan-25		
(PCB030)	Total	96	1			% Recovery	100	0	96	52 - 124%	PASS	10	30	PASS
(PCB112)	Total	73	1			% Recovery	100	0	73	49 - 133%	PASS	3	30	PASS
(PCB198)	Total	70	1			% Recovery	100	0	70	60 - 129%	PASS	19	30	PASS
(TCMX)	Total	90	1			% Recovery	100	0	90	6 - 124%	PASS	6	30	PASS
2,4'-DDD	Total	465	1	0.267	0.5	ng/wet g	500	0.276	93	50 - 150%	PASS	3	30	PASS
2,4'-DDE	Total	412	1	0.2	0.5	ng/wet g	500	0	82	50 - 150%	PASS	5	30	PASS
2,4'-DDT	Total	347	1	0.194	0.5	ng/wet g	500	0	69	50 - 150%	PASS	12	30	PASS
4,4'-DDD	Total	401	1	0.198	0.5	ng/wet g	500	0	80	50 - 150%	PASS	13	30	PASS
4,4'-DDE	Total	449	1	0.193	0.5	ng/wet g	500	8.11	88	50 - 150%	PASS	12	30	PASS
4,4'-DDMU	Total	427	1	0.193	0.5	ng/wet g	500	0	85	50 - 150%	PASS	24	50	PASS
4,4'-DDT	Total	358	1	0.128	0.5	ng/wet g	500	0	72	50 - 150%	PASS	13	30	PASS
Aldrin	Total	492	1	0.25	0.5	ng/wet g	500	0	98	50 - 150%	PASS	6	30	PASS
BHC-alpha	Total	460	1	0.25	0.5	ng/wet g	500	0	92	50 - 150%	PASS	1	30	PASS
BHC-beta	Total	433	1	0.25	0.5	ng/wet g	500	0	87	50 - 150%	PASS	4	30	PASS
BHC-gamma	Total	424	1	0.25	0.5	ng/wet g	500	0	85	50 - 150%	PASS	3	30	PASS
Chlordane-alpha	Total	392	1	0.187	0.5	ng/wet g	500	0	78	50 - 150%	PASS	7	30	PASS
Chlordane-gamma	Total	404	1	0.179	0.5	ng/wet g	500	0	81	50 - 150%	PASS	11	30	PASS
cis-Nonachlor	Total	626	1	0.192	0.5	ng/wet g	500	0	125	50 - 150%	PASS	3	30	PASS
DCPA (Dachthal)	Total	532	1	0.25	0.5	ng/wet g	500	0	106	50 - 150%	PASS	7	50	PASS
Dicofol	Total	309	1	0.25	0.5	ng/wet g	500	0	62	50 - 150%	PASS	0	50	PASS
Dieldrin	Total	588	1	0.1	0.2	ng/wet g	500	0	118	50 - 150%	PASS	3	30	PASS
Endosulfan Sulfate	Total	459	1	0.25	0.5	ng/wet g	500	0	92	50 - 150%	PASS	15	30	PASS
Endosulfan-I	Total	403	1	0.25	0.5	ng/wet g	500	0	81	50 - 150%	PASS	13	30	PASS

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Endosulfan-II	Total	191	1	0.25	0.5	ng/wet g	500	0	38	50 - 150%	FAIL	8	30	PASS	Q
Endrin	Total	342	1	0.25	0.5	ng/wet g	500	0	68	50 - 150%	PASS	16	30	PASS	
Endrin Aldehyde	Total	36.3	1	0.25	0.5	ng/wet g	500	0	7	50 - 150%	FAIL	44	30	FAIL	Q
Endrin Ketone	Total	431	1	0.25	0.5	ng/wet g	500	0	86	50 - 150%	PASS	10	30	PASS	
Heptachlor	Total	397	1	0.25	0.5	ng/wet g	500	0	79	50 - 150%	PASS	5	30	PASS	
Heptachlor Epoxide	Total	441	1	0.25	0.5	ng/wet g	500	0	88	50 - 150%	PASS	8	30	PASS	
Methoxychlor	Total	330	1	0.25	0.5	ng/wet g	500	0	66	50 - 150%	PASS	13	30	PASS	
Mirex	Total	452	1	0.25	0.5	ng/wet g	500	0	90	50 - 150%	PASS	7	30	PASS	
Oxychlordane	Total	448	1	0.25	0.5	ng/wet g	500	0	90	50 - 150%	PASS	1	30	PASS	
Perthane	Total	442	1	5	10	ng/wet g	500	0	88	50 - 150%	PASS	2	30	PASS	
trans-Nonachlor	Total	367	1	0.186	0.5	ng/wet g	500	0.237	73	50 - 150%	PASS	10	30	PASS	
	Method: EPA 8270E-NCI					Batch ID: O-49056			Prepared: 09-Jan-25				Analyzed: 15-Jan-25		
Toxaphene	Total	2870	1	10	20	ng/wet g	5000	0	57	50 - 150%	PASS	2	30	PASS	

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119161-R2	**SSB-OS-C1-HH Skin-off Filets**					**Matrix: Tissue**				**Sampled: 07-Sep-23**			**Received: 17-Jun-24**		
		Method: EPA 8270E				Batch ID: O-49056				Prepared: 09-Jan-25			Analyzed: 14-Jan-25		
(PCB030)	Total	118	1			% Recovery	100	118	52 - 124%	PASS	14	30	PASS		
(PCB112)	Total	104	1			% Recovery	100	104	49 - 133%	PASS	13	30	PASS		
(PCB198)	Total	86	1			% Recovery	100	86	60 - 129%	PASS	32	30	FAIL		M
(TCMX)	Total	77	1			% Recovery	100	77	6 - 124%	PASS	27	30	PASS		
2,4'-DDD	Total	ND	1	0.267	0.5	ng/wet g					3	30	PASS		
2,4'-DDE	Total	ND	1	0.2	0.5	ng/wet g					0	30	PASS		
2,4'-DDT	Total	ND	1	0.194	0.5	ng/wet g					0	30	PASS		
4,4'-DDD	Total	ND	1	0.198	0.5	ng/wet g					0	30	PASS		
4,4'-DDE	Total	9.06	1	0.193	0.5	ng/wet g					11	30	PASS		
4,4'-DDMU	Total	ND	1	0.193	0.5	ng/wet g					11		PASS		
4,4'-DDT	Total	ND	1	0.128	0.5	ng/wet g					0	30	PASS		
Aldrin	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS		
BHC-alpha	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS		
BHC-beta	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS		
BHC-gamma	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS		
Chlordane-alpha	Total	ND	1	0.187	0.5	ng/wet g					0	30	PASS		
Chlordane-gamma	Total	ND	1	0.179	0.5	ng/wet g					0	30	PASS		
cis-Nonachlor	Total	0.204	1	0.192	0.5	ng/wet g					6	30	PASS		J
DCPA (Dachthal)	Total	ND	1	0.25	0.5	ng/wet g					0		PASS		
Dicofol	Total	ND	1	0.25	0.5	ng/wet g					0		PASS		
Dieldrin	Total	ND	1	0.1	0.2	ng/wet g					0	30	PASS		
Endosulfan Sulfate	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS		
Endosulfan-I	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS		

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Endosulfan-II	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Endrin	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Endrin Aldehyde	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Endrin Ketone	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Heptachlor	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Heptachlor Epoxide	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Methoxychlor	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Mirex	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Oxychlordane	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Perthane	Total	ND	1	5	10	ng/wet g					0	30	PASS
trans-Nonachlor	Total	ND	1	0.186	0.5	ng/wet g					24	30	PASS
		Method: EPA 8270E-NCI				Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 15-Jan-25	
Toxaphene	Total	ND	1	10	20	ng/wet g					0	30	PASS

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119181-MS1	**WSP-MB-HH Carcass**					**Matrix: Tissue**		**Sampled: 23-Aug-23**				**Received: 17-Jun-24**	
	Method: EPA 8270E					Batch ID: O-49058		Prepared: 12-Jan-25				Analyzed: 16-Jan-25	
(PCB030)	Total	71	1			% Recovery	100	0	71	52 - 124%	PASS		
(PCB112)	Total	112	1			% Recovery	100	0	112	49 - 133%	PASS		
(PCB198)	Total	81	1			% Recovery	100	0	81	60 - 129%	PASS		
(TCMX)	Total	64	1			% Recovery	100	0	64	6 - 124%	PASS		
2,4'-DDD	Total	580	1	0.267	0.5	ng/wet g	500	0	116	50 - 150%	PASS		
2,4'-DDE	Total	605	1	0.2	0.5	ng/wet g	500	0	121	50 - 150%	PASS		
2,4'-DDT	Total	454	1	0.194	0.5	ng/wet g	500	0	131	50 - 150%	PASS		
4,4'-DDD	Total	611	1	0.198	0.5	ng/wet g	500	0	122	50 - 150%	PASS		
4,4'-DDE	Total	389	1	0.193	0.5	ng/wet g	500	12.4	75	50 - 150%	PASS		
4,4'-DDMU	Total	410	1	0.193	0.5	ng/wet g	500	0	82	50 - 150%	PASS		
4,4'-DDT	Total	528	1	0.128	0.5	ng/wet g	500	0	106	50 - 150%	PASS		
Aldrin	Total	431	1	0.25	0.5	ng/wet g	500	0	86	50 - 150%	PASS		
BHC-alpha	Total	366	1	0.25	0.5	ng/wet g	500	0	73	50 - 150%	PASS		
BHC-beta	Total	344	1	0.25	0.5	ng/wet g	500	0	69	50 - 150%	PASS		
BHC-gamma	Total	320	1	0.25	0.5	ng/wet g	500	0	64	50 - 150%	PASS		
Chlordane-alpha	Total	622	1	0.187	0.5	ng/wet g	500	2.94	124	50 - 150%	PASS		
Chlordane-gamma	Total	632	1	0.179	0.5	ng/wet g	500	0	126	50 - 150%	PASS		
cis-Nonachlor	Total	533	1	0.192	0.5	ng/wet g	500	2.48	106	50 - 150%	PASS		
DCPA (Dachthal)	Total	418	1	0.25	0.5	ng/wet g	500	0	84	50 - 150%	PASS		
Dicofol	Total	551	1	0.25	0.5	ng/wet g	500	0	110	50 - 150%	PASS		
Dieldrin	Total	600	1	0.1	0.2	ng/wet g	500	0	120	50 - 150%	PASS		
Endosulfan Sulfate	Total	577	1	0.25	0.5	ng/wet g	500	0	115	50 - 150%	PASS		
Endosulfan-I	Total	45.5	1	0.25	0.5	ng/wet g	500	0	9	50 - 150%	FAIL		Q

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Endosulfan-II	Total	176	1	0.25	0.5	ng/wet g	500	0	35	50 - 150%	FAIL			Q
Endrin	Total	456	1	0.25	0.5	ng/wet g	500	0	91	50 - 150%	PASS			
Endrin Aldehyde	Total	32	1	0.25	0.5	ng/wet g	500	0	6	50 - 150%	FAIL			Q
Endrin Ketone	Total	557	1	0.25	0.5	ng/wet g	500	0	111	50 - 150%	PASS			
Heptachlor	Total	471	1	0.25	0.5	ng/wet g	500	0	94	50 - 150%	PASS			
Heptachlor Epoxide	Total	404	1	0.25	0.5	ng/wet g	500	0	81	50 - 150%	PASS			
Methoxychlor	Total	567	1	0.25	0.5	ng/wet g	500	0	113	50 - 150%	PASS			
Mirex	Total	439	1	0.25	0.5	ng/wet g	500	0	88	50 - 150%	PASS			
Oxychlordane	Total	362	1	0.25	0.5	ng/wet g	500	1.84	72	50 - 150%	PASS			
Perthane	Total	448	1	5	10	ng/wet g	500	0	90	50 - 150%	PASS			
trans-Nonachlor	Total	606	1	0.186	0.5	ng/wet g	500	4.49	120	50 - 150%	PASS			
	Method: EPA 8270E-NCI					Batch ID: O-49058			Prepared: 10-Jan-25				Analyzed: 17-Jan-25	
Toxaphene	Total	4740	1	10	20	ng/wet g	5000	0	95	50 - 150%	PASS			

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119181-MS2	**WSP-MB-HH Carcass**					**Matrix: Tissue**		**Sampled: 23-Aug-23**			**Received: 17-Jun-24**				
	Method: EPA 8270E					Batch ID: O-49058		Prepared: 12-Jan-25			Analyzed: 16-Jan-25				
(PCB030)	Total	75	1			% Recovery	100	0	75	52 - 124%	PASS	5	30	PASS	
(PCB112)	Total	116	1			% Recovery	100	0	116	49 - 133%	PASS	4	30	PASS	
(PCB198)	Total	88	1			% Recovery	100	0	88	60 - 129%	PASS	8	30	PASS	
(TCMX)	Total	67	1			% Recovery	100	0	67	6 - 124%	PASS	5	30	PASS	
2,4'-DDD	Total	595	1	0.267	0.5	ng/wet g	500	0	119	50 - 150%	PASS	3	30	PASS	
2,4'-DDE	Total	602	1	0.2	0.5	ng/wet g	500	0	120	50 - 150%	PASS	1	30	PASS	
2,4'-DDT	Total	629	1	0.194	0.5	ng/wet g	500	0	126	50 - 150%	PASS	4	30	PASS	
4,4'-DDD	Total	631	1	0.198	0.5	ng/wet g	500	0	126	50 - 150%	PASS	3	30	PASS	
4,4'-DDE	Total	370	1	0.193	0.5	ng/wet g	500	12.4	72	50 - 150%	PASS	4	30	PASS	
4,4'-DDMU	Total	413	1	0.193	0.5	ng/wet g	500	0	83	50 - 150%	PASS	1	50	PASS	
4,4'-DDT	Total	510	1	0.128	0.5	ng/wet g	500	0	102	50 - 150%	PASS	4	30	PASS	
Aldrin	Total	420	1	0.25	0.5	ng/wet g	500	0	84	50 - 150%	PASS	2	30	PASS	
BHC-alpha	Total	358	1	0.25	0.5	ng/wet g	500	0	72	50 - 150%	PASS	1	30	PASS	
BHC-beta	Total	360	1	0.25	0.5	ng/wet g	500	0	72	50 - 150%	PASS	4	30	PASS	
BHC-gamma	Total	328	1	0.25	0.5	ng/wet g	500	0	66	50 - 150%	PASS	3	30	PASS	
Chlordane-alpha	Total	599	1	0.187	0.5	ng/wet g	500	2.94	119	50 - 150%	PASS	4	30	PASS	
Chlordane-gamma	Total	630	1	0.179	0.5	ng/wet g	500	0	126	50 - 150%	PASS	0	30	PASS	
cis-Nonachlor	Total	526	1	0.192	0.5	ng/wet g	500	2.48	105	50 - 150%	PASS	1	30	PASS	
DCPA (Dachthal)	Total	419	1	0.25	0.5	ng/wet g	500	0	84	50 - 150%	PASS	0	50	PASS	
Dicofol	Total	497	1	0.25	0.5	ng/wet g	500	0	99	50 - 150%	PASS	10	50	PASS	
Dieldrin	Total	604	1	0.1	0.2	ng/wet g	500	0	121	50 - 150%	PASS	1	30	PASS	
Endosulfan Sulfate	Total	548	1	0.25	0.5	ng/wet g	500	0	110	50 - 150%	PASS	4	30	PASS	
Endosulfan-I	Total	57.9	1	0.25	0.5	ng/wet g	500	0	12	50 - 150%	FAIL	29	30	PASS	Q

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Endosulfan-II	Total	149	1	0.25	0.5	ng/wet g	500	0	30	50 - 150%	FAIL	15	30	PASS	Q
Endrin	Total	511	1	0.25	0.5	ng/wet g	500	0	102	50 - 150%	PASS	11	30	PASS	
Endrin Aldehyde	Total	24.1	1	0.25	0.5	ng/wet g	500	0	5	50 - 150%	FAIL	18	30	PASS	Q
Endrin Ketone	Total	560	1	0.25	0.5	ng/wet g	500	0	112	50 - 150%	PASS	1	30	PASS	
Heptachlor	Total	455	1	0.25	0.5	ng/wet g	500	0	91	50 - 150%	PASS	3	30	PASS	
Heptachlor Epoxide	Total	399	1	0.25	0.5	ng/wet g	500	0	80	50 - 150%	PASS	1	30	PASS	
Methoxychlor	Total	560	1	0.25	0.5	ng/wet g	500	0	112	50 - 150%	PASS	1	30	PASS	
Mirex	Total	457	1	0.25	0.5	ng/wet g	500	0	91	50 - 150%	PASS	3	30	PASS	
Oxychlordane	Total	369	1	0.25	0.5	ng/wet g	500	1.84	73	50 - 150%	PASS	1	30	PASS	
Perthane	Total	435	1	5	10	ng/wet g	500	0	87	50 - 150%	PASS	3	30	PASS	
trans-Nonachlor	Total	598	1	0.186	0.5	ng/wet g	500	4.49	119	50 - 150%	PASS	1	30	PASS	
	Method: EPA 8270E-NCI					Batch ID: O-49058			Prepared: 10-Jan-25				Analyzed: 17-Jan-25		
Toxaphene	Total	4780	1	10	20	ng/wet g	5000	0	96	50 - 150%	PASS	1	30	PASS	

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119181-R2	**WSP-MB-HH Carcass**					**Matrix: Tissue**		**Sampled: 23-Aug-23**			**Received: 17-Jun-24**			
		Method: EPA 8270E				Batch ID: O-49058		Prepared: 12-Jan-25			Analyzed: 16-Jan-25			
(PCB030)	Total	75	1			% Recovery	100	75	52 - 124%	PASS	0	30	PASS	
(PCB112)	Total	115	1			% Recovery	100	115	49 - 133%	PASS	0	30	PASS	
(PCB198)	Total	85	1			% Recovery	100	85	60 - 129%	PASS	2	30	PASS	
(TCMX)	Total	68	1			% Recovery	100	68	6 - 124%	PASS	1	30	PASS	
2,4'-DDD	Total	ND	1	0.267	0.5	ng/wet g					0	30	PASS	
2,4'-DDE	Total	ND	1	0.2	0.5	ng/wet g					0	30	PASS	
2,4'-DDT	Total	ND	1	0.194	0.5	ng/wet g					0	30	PASS	
4,4'-DDD	Total	ND	1	0.198	0.5	ng/wet g					0	30	PASS	
4,4'-DDE	Total	12.7	1	0.193	0.5	ng/wet g					2	30	PASS	
4,4'-DDMU	Total	ND	1	0.193	0.5	ng/wet g					2		PASS	
4,4'-DDT	Total	ND	1	0.128	0.5	ng/wet g					0	30	PASS	
Aldrin	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
BHC-alpha	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
BHC-beta	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
BHC-gamma	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Chlordane-alpha	Total	2.77	1	0.187	0.5	ng/wet g					6	30	PASS	
Chlordane-gamma	Total	ND	1	0.179	0.5	ng/wet g					0	30	PASS	
cis-Nonachlor	Total	3.08	1	0.192	0.5	ng/wet g					22	30	PASS	
DCPA (Dachthal)	Total	ND	1	0.25	0.5	ng/wet g					0		PASS	
Dicofol	Total	ND	1	0.25	0.5	ng/wet g					0		PASS	
Dieldrin	Total	ND	1	0.1	0.2	ng/wet g					0	30	PASS	
Endosulfan Sulfate	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Endosulfan-I	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Endosulfan-II	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Endrin	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Endrin Aldehyde	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Endrin Ketone	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Heptachlor	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Heptachlor Epoxide	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Methoxychlor	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Mirex	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
Oxychlordane	Total	1.75	1	0.25	0.5	ng/wet g					5	30	PASS
Perthane	Total	ND	1	5	10	ng/wet g					0	30	PASS
trans-Nonachlor	Total	4.5	1	0.186	0.5	ng/wet g					0	30	PASS
		Method: EPA 8270E-NCI				Batch ID: O-49058		Prepared: 10-Jan-25				Analyzed: 18-Jan-25	
Toxaphene	Total	ND	1	10	20	ng/wet g					0	30	PASS

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119199-MS1	**JS-NSDB-C1-HH Carcass**					**Matrix: Tissue**		**Sampled: 15-Sep-23**				**Received: 17-Jun-24**	
	Method: EPA 8270E					Batch ID: O-49060		Prepared: 13-Jan-25				Analyzed: 17-Jan-25	
(PCB030)	Total	77	1			% Recovery	100	0	77	52 - 124%			PASS
(PCB112)	Total	129	1			% Recovery	100	0	129	49 - 133%			PASS
(PCB198)	Total	89	1			% Recovery	100	0	89	60 - 129%			PASS
(TCMX)	Total	73	1			% Recovery	100	0	73	6 - 124%			PASS
2,4'-DDD	Total	750	1	0.267	0.5	ng/wet g	500	0	150	50 - 150%			PASS
2,4'-DDE	Total	636	1	0.2	0.5	ng/wet g	500	0	127	50 - 150%			PASS
2,4'-DDT	Total	459	1	0.194	0.5	ng/wet g	500	0	92	50 - 150%			PASS
4,4'-DDD	Total	413	1	0.198	0.5	ng/wet g	500	2.16	83	50 - 150%			PASS
4,4'-DDE	Total	433	1	0.193	0.5	ng/wet g	500	20.9	82	50 - 150%			PASS
4,4'-DDMU	Total	461	1	0.193	0.5	ng/dry g	500	20.9	92	50 - 150%			PASS
4,4'-DDT	Total	419	1	0.128	0.5	ng/wet g	500	3.3	83	50 - 150%			PASS
Aldrin	Total	359	1	0.25	0.5	ng/wet g	500	0	72	50 - 150%			PASS
BHC-alpha	Total	398	1	0.25	0.5	ng/wet g	500	0	80	50 - 150%			PASS
BHC-beta	Total	450	1	0.25	0.5	ng/wet g	500	0	87	50 - 150%			PASS
BHC-gamma	Total	367	1	0.25	0.5	ng/wet g	500	0	73	50 - 150%			PASS
Chlordane-alpha	Total	594	1	0.187	0.5	ng/wet g	500	0	119	50 - 150%			PASS
Chlordane-gamma	Total	645	1	0.179	0.5	ng/wet g	500	0	129	50 - 150%			PASS
cis-Nonachlor	Total	488	1	0.192	0.5	ng/wet g	500	0	98	50 - 150%			PASS
DCPA (Dachthal)	Total	518	1	0.25	0.5	ng/dry g	500	0	104	50 - 150%			PASS
Dicofol	Total	457	1	0.25	0.5	ng/dry g	500	0	91	50 - 150%			PASS
Dieldrin	Total	590	1	0.1	0.2	ng/wet g	500	0	118	50 - 150%			PASS
Endosulfan Sulfate	Total	604	1	0.25	0.5	ng/wet g	500	0	121	50 - 150%			PASS
Endosulfan-I	Total	538	1	0.25	0.5	ng/wet g	500	0	108	50 - 150%			PASS

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Endosulfan-II	Total	299	1	0.25	0.5	ng/wet g	500	0	60	50 - 150%	PASS			
Endrin	Total	830	1	0.25	0.5	ng/wet g	500	0	166	50 - 150%	FAIL			Q
Endrin Aldehyde	Total	23.6	1	0.25	0.5	ng/wet g	500	0	5	50 - 150%	FAIL			Q
Endrin Ketone	Total	476	1	0.25	0.5	ng/wet g	500	0	135	50 - 150%	PASS			
Heptachlor	Total	646	1	0.25	0.5	ng/wet g	500	0	129	50 - 150%	PASS			
Heptachlor Epoxide	Total	376	1	0.25	0.5	ng/wet g	500	0	75	50 - 150%	PASS			
Methoxychlor	Total	1050	1	0.25	0.5	ng/wet g	500	0	210	50 - 150%	FAIL			M
Mirex	Total	454	1	0.25	0.5	ng/wet g	500	0	91	50 - 150%	PASS			
Oxychlordane	Total	334	1	0.25	0.5	ng/wet g	500	0	67	50 - 150%	PASS			
Perthane	Total	933	1	5	10	ng/wet g	500	0	187	50 - 150%	FAIL			M
trans-Nonachlor	Total	602	1	0.186	0.5	ng/wet g	500	0.395	120	50 - 150%	PASS			
	Method: EPA 8270E-NCI					Batch ID: O-49060			Prepared: 13-Jan-25				Analyzed: 19-Jan-25	
Toxaphene	Total	3990	1	10	20	ng/wet g	5000	0	80	50 - 150%	PASS			

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119199-MS2	**JS-NSDB-C1-HH Carcass**					**Matrix: Tissue**		**Sampled: 15-Sep-23**					**Received: 17-Jun-24**		
		Method: EPA 8270E				Batch ID: O-49060		Prepared: 13-Jan-25				Analyzed: 17-Jan-25			
(PCB030)	Total	66	1			% Recovery	100	0	66	52 - 124%	PASS	15	30	PASS	
(PCB112)	Total	108	1			% Recovery	100	0	108	49 - 133%	PASS	18	30	PASS	
(PCB198)	Total	67	1			% Recovery	100	0	67	60 - 129%	PASS	28	30	PASS	
(TCMX)	Total	67	1			% Recovery	100	0	67	6 - 124%	PASS	9	30	PASS	
2,4'-DDD	Total	751	1	0.267	0.5	ng/wet g	500	0	150	50 - 150%	PASS	0	30	PASS	
2,4'-DDE	Total	607	1	0.2	0.5	ng/wet g	500	0	121	50 - 150%	PASS	5	30	PASS	
2,4'-DDT	Total	453	1	0.194	0.5	ng/wet g	500	0	91	50 - 150%	PASS	1	30	PASS	
4,4'-DDD	Total	474	1	0.198	0.5	ng/wet g	500	2.16	95	50 - 150%	PASS	13	30	PASS	
4,4'-DDE	Total	373	1	0.193	0.5	ng/wet g	500	20.9	70	50 - 150%	PASS	16	30	PASS	
4,4'-DDMU	Total	512	1	0.193	0.5	ng/dry g	500	20.9	102	50 - 150%	PASS	10	50	PASS	
4,4'-DDT	Total	459	1	0.128	0.5	ng/wet g	500	3.3	91	50 - 150%	PASS	9	30	PASS	
Aldrin	Total	327	1	0.25	0.5	ng/wet g	500	0	65	50 - 150%	PASS	10	30	PASS	
BHC-alpha	Total	368	1	0.25	0.5	ng/wet g	500	0	74	50 - 150%	PASS	8	30	PASS	
BHC-beta	Total	392	1	0.25	0.5	ng/wet g	500	0	76	50 - 150%	PASS	13	30	PASS	
BHC-gamma	Total	341	1	0.25	0.5	ng/wet g	500	0	68	50 - 150%	PASS	7	30	PASS	
Chlordane-alpha	Total	557	1	0.187	0.5	ng/wet g	500	0	111	50 - 150%	PASS	7	30	PASS	
Chlordane-gamma	Total	613	1	0.179	0.5	ng/wet g	500	0	123	50 - 150%	PASS	5	30	PASS	
cis-Nonachlor	Total	444	1	0.192	0.5	ng/wet g	500	0	89	50 - 150%	PASS	10	30	PASS	
DCPA (Dachthal)	Total	531	1	0.25	0.5	ng/dry g	500	0	106	50 - 150%	PASS	2	50	PASS	
Dicofol	Total	439	1	0.25	0.5	ng/dry g	500	0	88	50 - 150%	PASS	3	50	PASS	
Dieldrin	Total	584	1	0.1	0.2	ng/wet g	500	0	117	50 - 150%	PASS	1	30	PASS	
Endosulfan Sulfate	Total	552	1	0.25	0.5	ng/wet g	500	0	110	50 - 150%	PASS	10	30	PASS	
Endosulfan-I	Total	363	1	0.25	0.5	ng/wet g	500	0	73	50 - 150%	PASS	39	30	FAIL	M

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Endosulfan-II	Total	306	1	0.25	0.5	ng/wet g	500	0	61	50 - 150%	PASS	2	30	PASS	
Endrin	Total	835	1	0.25	0.5	ng/wet g	500	0	167	50 - 150%	FAIL	1	30	PASS	Q
Endrin Aldehyde	Total	19.5	1	0.25	0.5	ng/wet g	500	0	4	50 - 150%	FAIL	22	30	PASS	Q
Endrin Ketone	Total	601	1	0.25	0.5	ng/wet g	500	0	120	50 - 150%	PASS	12	30	PASS	
Heptachlor	Total	581	1	0.25	0.5	ng/wet g	500	0	116	50 - 150%	PASS	11	30	PASS	
Heptachlor Epoxide	Total	323	1	0.25	0.5	ng/wet g	500	0	65	50 - 150%	PASS	14	30	PASS	
Methoxychlor	Total	847	1	0.25	0.5	ng/wet g	500	0	169	50 - 150%	FAIL	22	30	PASS	M
Mirex	Total	379	1	0.25	0.5	ng/wet g	500	0	76	50 - 150%	PASS	18	30	PASS	
Oxychlordane	Total	281	1	0.25	0.5	ng/wet g	500	0	56	50 - 150%	PASS	18	30	PASS	
Perthane	Total	871	1	5	10	ng/wet g	500	0	174	50 - 150%	FAIL	7	30	PASS	M
trans-Nonachlor	Total	568	1	0.186	0.5	ng/wet g	500	0.395	114	50 - 150%	PASS	5	30	PASS	
	Method: EPA 8270E-NCI					Batch ID: O-49060			Prepared: 13-Jan-25				Analyzed: 19-Jan-25		
Toxaphene	Total	3760	1	10	20	ng/wet g	5000	0	75	50 - 150%	PASS	6	30	PASS	

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119199-R2	**JS-NSDB-C1-HH Carcass**					**Matrix: Tissue**		**Sampled: 15-Sep-23**					**Received: 17-Jun-24**		
		Method: EPA 8270E				Batch ID: O-49060		Prepared: 13-Jan-25				Analyzed: 17-Jan-25			
(PCB030)	Total	74	1			% Recovery	100	74	52 - 124%	PASS		8	30	PASS	
(PCB112)	Total	128	1			% Recovery	100	128	49 - 133%	PASS		7	30	PASS	
(PCB198)	Total	85	1			% Recovery	100	85	60 - 129%	PASS		7	30	PASS	
(TCMX)	Total	73	1			% Recovery	100	73	6 - 124%	PASS		12	30	PASS	
2,4'-DDD	Total	ND	1	0.267	0.5	ng/wet g						0	30	PASS	
2,4'-DDE	Total	ND	1	0.2	0.5	ng/wet g						0	30	PASS	
2,4'-DDT	Total	ND	1	0.194	0.5	ng/wet g						0	30	PASS	
4,4'-DDD	Total	1.98	1	0.198	0.5	ng/wet g						9	30	PASS	
4,4'-DDE	Total	22.6	1	0.193	0.5	ng/wet g						8	30	PASS	
4,4'-DDMU	Total	ND	1	0.193	0.5	ng/dry g						8		PASS	
4,4'-DDT	Total	4.69	1	0.128	0.5	ng/wet g						35	30	FAIL	NH
Aldrin	Total	ND	1	0.25	0.5	ng/wet g						0	30	PASS	
BHC-alpha	Total	ND	1	0.25	0.5	ng/wet g						0	30	PASS	
BHC-beta	Total	ND	1	0.25	0.5	ng/wet g						8	30	PASS	
BHC-gamma	Total	ND	1	0.25	0.5	ng/wet g						14	30	PASS	
Chlordane-alpha	Total	0.382	1	0.187	0.5	ng/wet g						69	30	FAIL	J,SL
Chlordane-gamma	Total	ND	1	0.179	0.5	ng/wet g						0	30	PASS	
cis-Nonachlor	Total	0.228	1	0.192	0.5	ng/wet g						17	30	PASS	J
DCPA (Dachthal)	Total	ND	1	0.25	0.5	ng/dry g						0		PASS	
Dicofol	Total	ND	1	0.25	0.5	ng/dry g						0		PASS	
Dieldrin	Total	ND	1	0.1	0.2	ng/wet g						0	30	PASS	
Endosulfan Sulfate	Total	ND	1	0.25	0.5	ng/wet g						0	30	PASS	
Endosulfan-I	Total	ND	1	0.25	0.5	ng/wet g						0	30	PASS	

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc	
Endosulfan-II	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Endrin	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Endrin Aldehyde	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Endrin Ketone	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Heptachlor	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Heptachlor Epoxide	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Methoxychlor	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Mirex	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Oxychlordane	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Perthane	Total	ND	1	5	10	ng/wet g					0	30	PASS	
trans-Nonachlor	Total	0.438	1	0.186	0.5	ng/wet g					10	30	PASS	J
		Method: EPA 8270E-NCI				Batch ID: O-49060			Prepared: 13-Jan-25			Analyzed: 19-Jan-25		
Toxaphene	Total	ND	1	10	20	ng/wet g					0	30	PASS	

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119216-MS1	**SSB-SSDB-C3-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 29-Jan-24**				**Received: 17-Jun-24**	
		Method: EPA 8270E				Batch ID: O-49062		Prepared: 14-Jan-25				Analyzed: 19-Jan-25	
(PCB030)	Total	92	1			% Recovery	100	0	92	52 - 124%	PASS		
(PCB112)	Total	107	1			% Recovery	100	0	107	49 - 133%	PASS		
(PCB198)	Total	90	1			% Recovery	100	0	90	60 - 129%	PASS		
(TCMX)	Total	67	1			% Recovery	100	0	67	6 - 124%	PASS		
2,4'-DDD	Total	521	1	0.267	0.5	ng/wet g	500	0.375	104	50 - 150%	PASS		
2,4'-DDE	Total	538	1	0.2	0.5	ng/wet g	500	0	108	50 - 150%	PASS		
2,4'-DDT	Total	605	1	0.194	0.5	ng/wet g	500	0	121	50 - 150%	PASS		
4,4'-DDD	Total	538	1	0.198	0.5	ng/wet g	500	0	108	50 - 150%	PASS		
4,4'-DDE	Total	383	1	0.193	0.5	ng/wet g	500	1.06	76	50 - 150%	PASS		
4,4'-DDMU	Total	400	1	0.193	0.5	ng/wet g	500	1.06	80	50 - 150%	PASS		
4,4'-DDT	Total	371	1	0.128	0.5	ng/wet g	500	0	74	50 - 150%	PASS		
Aldrin	Total	329	1	0.25	0.5	ng/wet g	500	0	66	50 - 150%	PASS		
BHC-alpha	Total	332	1	0.25	0.5	ng/wet g	500	0	66	50 - 150%	PASS		
BHC-beta	Total	270	1	0.25	0.5	ng/wet g	500	0	54	50 - 150%	PASS		
BHC-gamma	Total	414	1	0.25	0.5	ng/wet g	500	0	82	50 - 150%	PASS		
Chlordane-alpha	Total	463	1	0.187	0.5	ng/wet g	500	0	93	50 - 150%	PASS		
Chlordane-gamma	Total	598	1	0.179	0.5	ng/wet g	500	0	120	50 - 150%	PASS		
cis-Nonachlor	Total	502	1	0.192	0.5	ng/wet g	500	0	100	50 - 150%	PASS		
DCPA (Dachthal)	Total	464	1	0.25	0.5	ng/wet g	500	0	93	50 - 150%	PASS		
Dicofol	Total	310	1	0.25	0.5	ng/wet g	500	0	62	50 - 150%	PASS		
Dieldrin	Total	443	1	0.1	0.2	ng/wet g	500	0	89	50 - 150%	PASS		
Endosulfan Sulfate	Total	372	1	0.25	0.5	ng/wet g	500	0	74	50 - 150%	PASS		
Endosulfan-I	Total	142	1	0.25	0.5	ng/wet g	500	0	28	50 - 150%	FAIL		Q

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Endosulfan-II	Total	301	1	0.25	0.5	ng/wet g	500	0	60	50 - 150%	PASS			
Endrin	Total	508	1	0.25	0.5	ng/wet g	500	0	102	50 - 150%	PASS			
Endrin Aldehyde	Total	88.6	1	0.25	0.5	ng/wet g	500	0	18	50 - 150%	FAIL			Q
Endrin Ketone	Total	548	1	0.25	0.5	ng/wet g	500	0	110	50 - 150%	PASS			
Heptachlor	Total	400	1	0.25	0.5	ng/wet g	500	0	80	50 - 150%	PASS			
Heptachlor Epoxide	Total	430	1	0.25	0.5	ng/wet g	500	0	86	50 - 150%	PASS			
Methoxychlor	Total	408	1	0.25	0.5	ng/wet g	500	0	82	50 - 150%	PASS			
Mirex	Total	385	1	0.25	0.5	ng/wet g	500	0	77	50 - 150%	PASS			
Oxychlordane	Total	354	1	0.25	0.5	ng/wet g	500	0	71	50 - 150%	PASS			
Perthane	Total	435	1	5	10	ng/wet g	500	0	87	50 - 150%	PASS			
trans-Nonachlor	Total	562	1	0.186	0.5	ng/wet g	500	0	112	50 - 150%	PASS			
	Method: EPA 8270E-NCI					Batch ID: O-49062			Prepared: 14-Jan-25			Analyzed: 21-Jan-25		
Toxaphene	Total	5400	1	10	20	ng/wet g	5000	0	108	50 - 150%	PASS			

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119216-MS2	**SSB-SSDB-C3-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 29-Jan-24**					**Received: 17-Jun-24**		
		Method: EPA 8270E				Batch ID: O-49062		Prepared: 14-Jan-25				Analyzed: 19-Jan-25			
(PCB030)	Total	90	1			% Recovery	100	0	90	52 - 124%	PASS	2	30	PASS	
(PCB112)	Total	103	1			% Recovery	100	0	103	49 - 133%	PASS	4	30	PASS	
(PCB198)	Total	82	1			% Recovery	100	0	82	60 - 129%	PASS	9	30	PASS	
(TCMX)	Total	65	1			% Recovery	100	0	65	6 - 124%	PASS	3	30	PASS	
2,4'-DDD	Total	506	1	0.267	0.5	ng/wet g	500	0.375	101	50 - 150%	PASS	3	30	PASS	
2,4'-DDE	Total	540	1	0.2	0.5	ng/wet g	500	0	108	50 - 150%	PASS	0	30	PASS	
2,4'-DDT	Total	585	1	0.194	0.5	ng/wet g	500	0	117	50 - 150%	PASS	3	30	PASS	
4,4'-DDD	Total	516	1	0.198	0.5	ng/wet g	500	0	103	50 - 150%	PASS	5	30	PASS	
4,4'-DDE	Total	426	1	0.193	0.5	ng/wet g	500	1.06	85	50 - 150%	PASS	11	30	PASS	
4,4'-DDMU	Total	415	1	0.193	0.5	ng/wet g	500	1.06	83	50 - 150%	PASS	4	50	PASS	
4,4'-DDT	Total	353	1	0.128	0.5	ng/wet g	500	0	71	50 - 150%	PASS	4	30	PASS	
Aldrin	Total	321	1	0.25	0.5	ng/wet g	500	0	64	50 - 150%	PASS	3	30	PASS	
BHC-alpha	Total	330	1	0.25	0.5	ng/wet g	500	0	66	50 - 150%	PASS	0	30	PASS	
BHC-beta	Total	254	1	0.25	0.5	ng/wet g	500	0	51	50 - 150%	PASS	6	30	PASS	
BHC-gamma	Total	418	1	0.25	0.5	ng/wet g	500	0	83	50 - 150%	PASS	1	30	PASS	
Chlordane-alpha	Total	464	1	0.187	0.5	ng/wet g	500	0	93	50 - 150%	PASS	0	30	PASS	
Chlordane-gamma	Total	609	1	0.179	0.5	ng/wet g	500	0	122	50 - 150%	PASS	2	30	PASS	
cis-Nonachlor	Total	491	1	0.192	0.5	ng/wet g	500	0	98	50 - 150%	PASS	2	30	PASS	
DCPA (Dachthal)	Total	474	1	0.25	0.5	ng/wet g	500	0	95	50 - 150%	PASS	2	50	PASS	
Dicofol	Total	316	1	0.25	0.5	ng/wet g	500	0	63	50 - 150%	PASS	1	50	PASS	
Dieldrin	Total	439	1	0.1	0.2	ng/wet g	500	0	88	50 - 150%	PASS	1	30	PASS	
Endosulfan Sulfate	Total	381	1	0.25	0.5	ng/wet g	500	0	76	50 - 150%	PASS	3	30	PASS	
Endosulfan-I	Total	115	1	0.25	0.5	ng/wet g	500	0	23	50 - 150%	FAIL	20	30	PASS	Q

Chlorinated Pesticides

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Endosulfan-II	Total	312	1	0.25	0.5	ng/wet g	500	0	62	50 - 150%	PASS	3	30	PASS	
Endrin	Total	466	1	0.25	0.5	ng/wet g	500	0	93	50 - 150%	PASS	9	30	PASS	
Endrin Aldehyde	Total	73.3	1	0.25	0.5	ng/wet g	500	0	15	50 - 150%	FAIL	18	30	PASS	Q
Endrin Ketone	Total	516	1	0.25	0.5	ng/wet g	500	0	103	50 - 150%	PASS	7	30	PASS	
Heptachlor	Total	404	1	0.25	0.5	ng/wet g	500	0	81	50 - 150%	PASS	1	30	PASS	
Heptachlor Epoxide	Total	395	1	0.25	0.5	ng/wet g	500	0	79	50 - 150%	PASS	8	30	PASS	
Methoxychlor	Total	464	1	0.25	0.5	ng/wet g	500	0	93	50 - 150%	PASS	13	30	PASS	
Mirex	Total	368	1	0.25	0.5	ng/wet g	500	0	74	50 - 150%	PASS	4	30	PASS	
Oxychlordane	Total	368	1	0.25	0.5	ng/wet g	500	0	74	50 - 150%	PASS	4	30	PASS	
Perthane	Total	420	1	5	10	ng/wet g	500	0	84	50 - 150%	PASS	4	30	PASS	
trans-Nonachlor	Total	561	1	0.186	0.5	ng/wet g	500	0	112	50 - 150%	PASS	0	30	PASS	
	Method: EPA 8270E-NCI					Batch ID: O-49062			Prepared: 14-Jan-25				Analyzed: 21-Jan-25		
Toxaphene	Total	5620	1	10	20	ng/wet g	5000	0	112	50 - 150%	PASS	4	30	PASS	

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119216-R2	**SSB-SSDB-C3-HH Skin-off Fillets**					**Matrix: Tissue**		**Sampled: 29-Jan-24**					**Received: 17-Jun-24**		
		Method: EPA 8270E				Batch ID: O-49062		Prepared: 14-Jan-25				Analyzed: 19-Jan-25			
(PCB030)	Total	77	1			% Recovery	100	77	52 - 124%	PASS		3	30	PASS	
(PCB112)	Total	104	1			% Recovery	100	104	49 - 133%	PASS		7	30	PASS	
(PCB198)	Total	72	1			% Recovery	100	72	60 - 129%	PASS		3	30	PASS	
(TCMX)	Total	82	1			% Recovery	100	82	6 - 124%	PASS		1	30	PASS	
2,4'-DDD	Total	0.269	1	0.267	0.5	ng/wet g						33	30	FAIL	J,SL
2,4'-DDE	Total	ND	1	0.2	0.5	ng/wet g						0	30	PASS	
2,4'-DDT	Total	ND	1	0.194	0.5	ng/wet g						0	30	PASS	
4,4'-DDD	Total	ND	1	0.198	0.5	ng/wet g						0	30	PASS	
4,4'-DDE	Total	0.964	1	0.193	0.5	ng/wet g						9	30	PASS	
4,4'-DDMU	Total	ND	1	0.193	0.5	ng/wet g						9		PASS	
4,4'-DDT	Total	ND	1	0.128	0.5	ng/wet g						0	30	PASS	
Aldrin	Total	ND	1	0.25	0.5	ng/wet g						0	30	PASS	
BHC-alpha	Total	ND	1	0.25	0.5	ng/wet g						0	30	PASS	
BHC-beta	Total	ND	1	0.25	0.5	ng/wet g						0	30	PASS	
BHC-gamma	Total	ND	1	0.25	0.5	ng/wet g						174	30	FAIL	SL
Chlordane-alpha	Total	ND	1	0.187	0.5	ng/wet g						0	30	PASS	
Chlordane-gamma	Total	ND	1	0.179	0.5	ng/wet g						0	30	PASS	
cis-Nonachlor	Total	ND	1	0.192	0.5	ng/wet g						0	30	PASS	
DCPA (Dachthal)	Total	ND	1	0.25	0.5	ng/wet g						0		PASS	
Dicofol	Total	ND	1	0.25	0.5	ng/wet g						0		PASS	
Dieldrin	Total	ND	1	0.1	0.2	ng/wet g						0	30	PASS	
Endosulfan Sulfate	Total	ND	1	0.25	0.5	ng/wet g						0	30	PASS	
Endosulfan-I	Total	ND	1	0.25	0.5	ng/wet g						0	30	PASS	

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc	
Endosulfan-II	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Endrin	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Endrin Aldehyde	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Endrin Ketone	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Heptachlor	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Heptachlor Epoxide	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Methoxychlor	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Mirex	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Oxychlordane	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
Perthane	Total	ND	1	5	10	ng/wet g					0	30	PASS	
trans-Nonachlor	Total	0.212	1	0.186	0.5	ng/wet g					13	30	PASS	J
		Method: EPA 8270E-NCI				Batch ID: O-49062		Prepared: 14-Jan-25				Analyzed: 21-Jan-25		
Toxaphene	Total	ND	1	10	20	ng/wet g					0	30	PASS	

Elements

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119141-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
		Method: EPA 6020				Batch ID: E-29136		Prepared: 05-Aug-24				Analyzed: 22-Aug-24	
Arsenic (As)	NA	ND	1	0.025	0.05	µg/wet g							
Selenium (Se)	NA	ND	1	0.025	0.05	µg/wet g							
		Method: EPA 6020				Batch ID: E-29137		Prepared: 05-Aug-24				Analyzed: 22-Aug-24	
Arsenic (As)	NA	ND	1	0.025	0.05	µg/wet g							
Selenium (Se)	NA	ND	1	0.025	0.05	µg/wet g							
		Method: EPA 245.7				Batch ID: E-32106		Prepared: 07-Aug-24				Analyzed: 08-Aug-24	
Mercury (Hg)	NA	ND	1	1E-05	0.00002	µg/wet g							
		Method: EPA 245.7				Batch ID: E-32107		Prepared: 05-Aug-24				Analyzed: 12-Aug-24	
Mercury (Hg)	NA	ND	1	1E-05	0.00002	µg/wet g							
Sample ID: 119141-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
		Method: EPA 6020				Batch ID: E-29136		Prepared: 05-Aug-24				Analyzed: 22-Aug-24	
Arsenic (As)	NA	2.05	1	0.025	0.05	µg/wet g	2	0	102	75 - 125%	PASS		
Selenium (Se)	NA	1.98	1	0.025	0.05	µg/wet g	2	0	99	75 - 125%	PASS		
		Method: EPA 6020				Batch ID: E-29137		Prepared: 05-Aug-24				Analyzed: 22-Aug-24	
Arsenic (As)	NA	2.03	1	0.025	0.05	µg/wet g	2	0	101	75 - 125%	PASS		
Selenium (Se)	NA	1.97	1	0.025	0.05	µg/wet g	2	0	99	75 - 125%	PASS		
		Method: EPA 245.7				Batch ID: E-32106		Prepared: 07-Aug-24				Analyzed: 08-Aug-24	
Mercury (Hg)	NA	0.000938	1	1E-05	0.00002	µg/wet g	0.001	0	94	75 - 125%	PASS		
		Method: EPA 245.7				Batch ID: E-32107		Prepared: 05-Aug-24				Analyzed: 12-Aug-24	
Mercury (Hg)	NA	0.001	1	1E-05	0.00002	µg/wet g	0.001	0	100	75 - 125%	PASS		

Elements

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119141-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
	Method: EPA 6020					Batch ID: E-29136		Prepared: 05-Aug-24					Analyzed: 22-Aug-24		
Arsenic (As)	NA	1.99	1	0.025	0.05	µg/wet g	2	0	100	75 - 125%	PASS	2	30	PASS	
Selenium (Se)	NA	1.99	1	0.025	0.05	µg/wet g	2	0	100	75 - 125%	PASS	1	30	PASS	
	Method: EPA 6020					Batch ID: E-29137		Prepared: 05-Aug-24					Analyzed: 22-Aug-24		
Arsenic (As)	NA	1.95	1	0.025	0.05	µg/wet g	2	0	98	75 - 125%	PASS	3	30	PASS	
Selenium (Se)	NA	1.98	1	0.025	0.05	µg/wet g	2	0	99	75 - 125%	PASS	0	30	PASS	
	Method: EPA 245.7					Batch ID: E-32106		Prepared: 07-Aug-24					Analyzed: 08-Aug-24		
Mercury (Hg)	NA	0.000978	1	1E-05	0.00002	µg/wet g	0.001	0	98	75 - 125%	PASS	4	30	PASS	
	Method: EPA 245.7					Batch ID: E-32107		Prepared: 05-Aug-24					Analyzed: 12-Aug-24		
Mercury (Hg)	NA	0.000971	1	1E-05	0.00002	µg/wet g	0.001	0	97	75 - 125%	PASS	3	30	PASS	
Sample ID: 119142-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
	Method: EPA 6020					Batch ID: E-29138		Prepared: 05-Aug-24					Analyzed: 22-Aug-24		
Arsenic (As)	NA	ND	1	0.025	0.05	µg/wet g									
Selenium (Se)	NA	ND	1	0.025	0.05	µg/wet g									
	Method: EPA 6020					Batch ID: E-29139		Prepared: 05-Aug-24					Analyzed: 22-Aug-24		
Arsenic (As)	NA	ND	1	0.025	0.05	µg/wet g									
Selenium (Se)	NA	ND	1	0.025	0.05	µg/wet g									
	Method: EPA 245.7					Batch ID: E-32108		Prepared: 05-Aug-24					Analyzed: 12-Aug-24		
Mercury (Hg)	NA	ND	1	1E-05	0.00002	µg/wet g									

Elements

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119142-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
	Method: EPA 6020					Batch ID: E-29138		Prepared: 05-Aug-24					Analyzed: 22-Aug-24		
Arsenic (As)	NA	1.94	1	0.025	0.05	µg/wet g	2	0	97	75 - 125%	PASS				
Selenium (Se)	NA	2.02	1	0.025	0.05	µg/wet g	2	0	101	75 - 125%	PASS				
	Method: EPA 6020					Batch ID: E-29139		Prepared: 05-Aug-24					Analyzed: 22-Aug-24		
Arsenic (As)	NA	2.01	1	0.025	0.05	µg/wet g	2	0	100	75 - 125%	PASS				
Selenium (Se)	NA	2.03	1	0.025	0.05	µg/wet g	2	0	101	75 - 125%	PASS				
	Method: EPA 245.7					Batch ID: E-32108		Prepared: 05-Aug-24					Analyzed: 12-Aug-24		
Mercury (Hg)	NA	0.000993	1	1E-05	0.00002	µg/wet g	0.001	0	99	75 - 125%	PASS				
Sample ID: 119142-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
	Method: EPA 6020					Batch ID: E-29138		Prepared: 05-Aug-24					Analyzed: 22-Aug-24		
Arsenic (As)	NA	1.99	1	0.025	0.05	µg/wet g	2	0	100	75 - 125%	PASS	3	30	PASS	
Selenium (Se)	NA	2.03	1	0.025	0.05	µg/wet g	2	0	101	75 - 125%	PASS	0	30	PASS	
	Method: EPA 6020					Batch ID: E-29139		Prepared: 05-Aug-24					Analyzed: 23-Aug-24		
Arsenic (As)	NA	1.96	1	0.025	0.05	µg/wet g	2	0	98	75 - 125%	PASS	2	30	PASS	
Selenium (Se)	NA	2.01	1	0.025	0.05	µg/wet g	2	0	100	75 - 125%	PASS	1	30	PASS	
	Method: EPA 245.7					Batch ID: E-32108		Prepared: 05-Aug-24					Analyzed: 12-Aug-24		
Mercury (Hg)	NA	0.000972	1	1E-05	0.00002	µg/wet g	0.001	0	97	75 - 125%	PASS	2	30	PASS	

Elements

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119143-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
		Method: EPA 6020				Batch ID: E-29140						Prepared: 05-Aug-24	Analyzed: 23-Aug-24
Arsenic (As)	NA	ND	1	0.025	0.05	µg/wet g							
Selenium (Se)	NA	ND	1	0.025	0.05	µg/wet g							
		Method: EPA 6020				Batch ID: E-29141						Prepared: 05-Aug-24	Analyzed: 23-Aug-24
Arsenic (As)	NA	ND	1	0.025	0.05	µg/wet g							
Selenium (Se)	NA	ND	1	0.025	0.05	µg/wet g							
		Method: EPA 245.7				Batch ID: E-32111						Prepared: 05-Aug-24	Analyzed: 19-Aug-24
Mercury (Hg)	NA	ND	1	1E-05	0.00002	µg/wet g							
		Method: EPA 245.7				Batch ID: E-32112						Prepared: 05-Aug-24	Analyzed: 19-Aug-24
Mercury (Hg)	NA	ND	1	1E-05	0.00002	µg/wet g							
		Method: EPA 245.7				Batch ID: E-32113						Prepared: 05-Aug-24	Analyzed: 19-Aug-24
Mercury (Hg)	NA	ND	1	1E-05	0.00002	µg/wet g							
Sample ID: 119143-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
		Method: EPA 6020				Batch ID: E-29140						Prepared: 05-Aug-24	Analyzed: 23-Aug-24
Arsenic (As)	NA	1.98	1	0.025	0.05	µg/wet g	2	0	99	75 - 125%	PASS		
Selenium (Se)	NA	2	1	0.025	0.05	µg/wet g	2	0	100	75 - 125%	PASS		
		Method: EPA 6020				Batch ID: E-29141						Prepared: 05-Aug-24	Analyzed: 23-Aug-24
Arsenic (As)	NA	2.02	1	0.025	0.05	µg/wet g	2	0	101	75 - 125%	PASS		
Selenium (Se)	NA	2	1	0.025	0.05	µg/wet g	2	0	100	75 - 125%	PASS		
		Method: EPA 245.7				Batch ID: E-32111						Prepared: 05-Aug-24	Analyzed: 19-Aug-24
Mercury (Hg)	NA	0.00107	1	1E-05	0.00002	µg/wet g	0.001	0	107	75 - 125%	PASS		
		Method: EPA 245.7				Batch ID: E-32112						Prepared: 05-Aug-24	Analyzed: 19-Aug-24
Mercury (Hg)	NA	0.00113	1	1E-05	0.00002	µg/wet g	0.001	0	113	75 - 125%	PASS		
		Method: EPA 245.7				Batch ID: E-32113						Prepared: 05-Aug-24	Analyzed: 19-Aug-24
Mercury (Hg)	NA	0.00107	1	1E-05	0.00002	µg/wet g	0.001	0	107	75 - 125%	PASS		

Elements

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119143-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
		Method: EPA 6020				Batch ID: E-29140		Prepared: 05-Aug-24					Analyzed: 23-Aug-24		
Arsenic (As)	NA	1.97	1	0.025	0.05	µg/wet g	2	0	99	75 - 125%	PASS	0	30	PASS	
Selenium (Se)	NA	2.03	1	0.025	0.05	µg/wet g	2	0	101	75 - 125%	PASS	1	30	PASS	
		Method: EPA 6020				Batch ID: E-29141		Prepared: 05-Aug-24					Analyzed: 23-Aug-24		
Arsenic (As)	NA	1.94	1	0.025	0.05	µg/wet g	2	0	97	75 - 125%	PASS	4	30	PASS	
Selenium (Se)	NA	2.02	1	0.025	0.05	µg/wet g	2	0	101	75 - 125%	PASS	1	30	PASS	
		Method: EPA 245.7				Batch ID: E-32111		Prepared: 05-Aug-24					Analyzed: 19-Aug-24		
Mercury (Hg)	NA	0.00105	1	1E-05	0.00002	µg/wet g	0.001	0	105	75 - 125%	PASS	2	30	PASS	
		Method: EPA 245.7				Batch ID: E-32112		Prepared: 05-Aug-24					Analyzed: 19-Aug-24		
Mercury (Hg)	NA	0.00107	1	1E-05	0.00002	µg/wet g	0.001	0	107	75 - 125%	PASS	5	30	PASS	
		Method: EPA 245.7				Batch ID: E-32113		Prepared: 05-Aug-24					Analyzed: 19-Aug-24		
Mercury (Hg)	NA	0.00109	1	1E-05	0.00002	µg/wet g	0.001	0	109	75 - 125%	PASS	2	30	PASS	
Sample ID: 119144-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
		Method: EPA 6020				Batch ID: E-29142		Prepared: 05-Aug-24					Analyzed: 23-Aug-24		
Arsenic (As)	NA	ND	1	0.025	0.05	µg/wet g									
Selenium (Se)	NA	ND	1	0.025	0.05	µg/wet g									
		Method: EPA 6020				Batch ID: E-29143		Prepared: 05-Aug-24					Analyzed: 23-Aug-24		
Arsenic (As)	NA	ND	1	0.025	0.05	µg/wet g									
Selenium (Se)	NA	ND	1	0.025	0.05	µg/wet g									
		Method: EPA 245.7				Batch ID: E-32118		Prepared: 05-Aug-24					Analyzed: 27-Aug-24		
Mercury (Hg)	NA	ND	1	1E-05	0.00002	µg/wet g									
		Method: EPA 245.7				Batch ID: E-32119		Prepared: 05-Aug-24					Analyzed: 27-Aug-24		
Mercury (Hg)	NA	ND	1	1E-05	0.00002	µg/wet g									

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119144-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
	Method: EPA 6020					Batch ID: E-29142		Prepared: 05-Aug-24					Analyzed: 23-Aug-24		
Arsenic (As)	NA	1.98	1	0.025	0.05	µg/wet g	2	0	99	75 - 125%	PASS				
Selenium (Se)	NA	2.02	1	0.025	0.05	µg/wet g	2	0	101	75 - 125%	PASS				
	Method: EPA 6020					Batch ID: E-29143		Prepared: 05-Aug-24					Analyzed: 23-Aug-24		
Arsenic (As)	NA	2.04	1	0.025	0.05	µg/wet g	2	0	102	75 - 125%	PASS				
Selenium (Se)	NA	1.98	1	0.025	0.05	µg/wet g	2	0	99	75 - 125%	PASS				
	Method: EPA 245.7					Batch ID: E-32118		Prepared: 05-Aug-24					Analyzed: 27-Aug-24		
Mercury (Hg)	NA	0.00103	1	1E-05	0.00002	µg/wet g	0.001	0	103	75 - 125%	PASS				
	Method: EPA 245.7					Batch ID: E-32119		Prepared: 05-Aug-24					Analyzed: 27-Aug-24		
Mercury (Hg)	NA	0.00101	1	1E-05	0.00002	µg/wet g	0.001	0	101	75 - 125%	PASS				
Sample ID: 119144-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
	Method: EPA 6020					Batch ID: E-29142		Prepared: 05-Aug-24					Analyzed: 23-Aug-24		
Arsenic (As)	NA	1.96	1	0.025	0.05	µg/wet g	2	0	98	75 - 125%	PASS	1	30	PASS	
Selenium (Se)	NA	2.05	1	0.025	0.05	µg/wet g	2	0	102	75 - 125%	PASS	1	30	PASS	
	Method: EPA 6020					Batch ID: E-29143		Prepared: 05-Aug-24					Analyzed: 23-Aug-24		
Arsenic (As)	NA	2.04	1	0.025	0.05	µg/wet g	2	0	102	75 - 125%	PASS	0	30	PASS	
Selenium (Se)	NA	2.05	1	0.025	0.05	µg/wet g	2	0	102	75 - 125%	PASS	3	30	PASS	
	Method: EPA 245.7					Batch ID: E-32118		Prepared: 05-Aug-24					Analyzed: 27-Aug-24		
Mercury (Hg)	NA	0.00101	1	1E-05	0.00002	µg/wet g	0.001	0	101	75 - 125%	PASS	2	30	PASS	
	Method: EPA 245.7					Batch ID: E-32119		Prepared: 05-Aug-24					Analyzed: 27-Aug-24		
Mercury (Hg)	NA	0.000992	1	1E-05	0.00002	µg/wet g	0.001	0	99	75 - 125%	PASS	2	30	PASS	

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119149-CRM1	**QAQC CRM - SRM 2976**					**Matrix: Tissue**		**Sampled:**				**Received:**	
	Method: EPA 6020					Batch ID: E-29136		Prepared: 05-Aug-24				Analyzed: 22-Aug-24	
Arsenic (As)	NA	15.2	1	0.025	0.05	µg/dry g	13.3		114	70 - 130%	PASS		
Selenium (Se)	NA	2.04	1	0.025	0.05	µg/dry g	1.8		113	70 - 130%	PASS		
	Method: EPA 6020					Batch ID: E-29137		Prepared: 05-Aug-24				Analyzed: 22-Aug-24	
Arsenic (As)	NA	14.5	1	0.025	0.05	µg/dry g	13.3		109	70 - 130%	PASS		
Selenium (Se)	NA	1.82	1	0.025	0.05	µg/dry g	1.8		101	70 - 130%	PASS		
	Method: EPA 245.7					Batch ID: E-32106		Prepared: 07-Aug-24				Analyzed: 08-Aug-24	
Mercury (Hg)	NA	0.0546	1	1E-05	0.00002	µg/dry g	0.061		90	70 - 130%	PASS		
	Method: EPA 245.7					Batch ID: E-32107		Prepared: 05-Aug-24				Analyzed: 12-Aug-24	
Mercury (Hg)	NA	0.0587	1	1E-05	0.00002	µg/dry g	0.061		96	70 - 130%	PASS		
Sample ID: 119150-CRM1	**QAQC CRM - SRM 2976**					**Matrix: Tissue**		**Sampled:**				**Received:**	
	Method: EPA 6020					Batch ID: E-29138		Prepared: 05-Aug-24				Analyzed: 22-Aug-24	
Arsenic (As)	NA	14	1	0.025	0.05	µg/dry g	13.3		105	70 - 130%	PASS		
Selenium (Se)	NA	1.94	1	0.025	0.05	µg/dry g	1.8		108	70 - 130%	PASS		
	Method: EPA 6020					Batch ID: E-29139		Prepared: 05-Aug-24				Analyzed: 22-Aug-24	
Arsenic (As)	NA	14	1	0.025	0.05	µg/dry g	13.3		105	70 - 130%	PASS		
Selenium (Se)	NA	1.78	1	0.025	0.05	µg/dry g	1.8		99	70 - 130%	PASS		
	Method: EPA 245.7					Batch ID: E-32108		Prepared: 05-Aug-24				Analyzed: 12-Aug-24	
Mercury (Hg)	NA	0.0575	1	1E-05	0.00002	µg/dry g	0.061		94	70 - 130%	PASS		

Elements

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119151-CRM1	**QAQC CRM - SRM 2976**					**Matrix: Tissue**		**Sampled:**				**Received:**	
		Method: EPA 6020				Batch ID: E-29140		Prepared: 05-Aug-24				Analyzed: 23-Aug-24	
Arsenic (As)	NA	16.7	1	0.025	0.05	µg/dry g	13.3	126	70 - 130%	PASS			
Selenium (Se)	NA	2.41	1	0.025	0.05	µg/dry g	1.8	134	70 - 130%	FAIL			M
		Method: EPA 6020				Batch ID: E-29141		Prepared: 05-Aug-24				Analyzed: 23-Aug-24	
Arsenic (As)	NA	15.5	1	0.025	0.05	µg/dry g	13.3	117	70 - 130%	PASS			
Selenium (Se)	NA	2.21	1	0.025	0.05	µg/dry g	1.8	123	70 - 130%	PASS			
		Method: EPA 245.7				Batch ID: E-32111		Prepared: 05-Aug-24				Analyzed: 19-Aug-24	
Mercury (Hg)	NA	0.054	1	1E-05	0.00002	µg/dry g	0.061	89	70 - 130%	PASS			
		Method: EPA 245.7				Batch ID: E-32112		Prepared: 05-Aug-24				Analyzed: 19-Aug-24	
Mercury (Hg)	NA	0.051	1	1E-05	0.00002	µg/dry g	0.061	84	70 - 130%	PASS			
		Method: EPA 245.7				Batch ID: E-32113		Prepared: 05-Aug-24				Analyzed: 19-Aug-24	
Mercury (Hg)	NA	0.0466	1	1E-05	0.00002	µg/dry g	0.061	76	70 - 130%	PASS			
Sample ID: 119152-CRM1	**QAQC CRM - SRM 2976**					**Matrix: Tissue**		**Sampled:**				**Received:**	
		Method: EPA 6020				Batch ID: E-29142		Prepared: 05-Aug-24				Analyzed: 23-Aug-24	
Arsenic (As)	NA	14.8	1	0.025	0.05	µg/dry g	13.3	111	70 - 130%	PASS			
Selenium (Se)	NA	1.92	1	0.025	0.05	µg/dry g	1.8	107	70 - 130%	PASS			
		Method: EPA 6020				Batch ID: E-29143		Prepared: 05-Aug-24				Analyzed: 23-Aug-24	
Arsenic (As)	NA	14.2	1	0.025	0.05	µg/dry g	13.3	107	70 - 130%	PASS			
Selenium (Se)	NA	1.93	1	0.025	0.05	µg/dry g	1.8	107	70 - 130%	PASS			
		Method: EPA 245.7				Batch ID: E-32118		Prepared: 05-Aug-24				Analyzed: 27-Aug-24	
Mercury (Hg)	NA	0.0453	1	1E-05	0.00002	µg/dry g	0.061	74	70 - 130%	PASS			
		Method: EPA 245.7				Batch ID: E-32119		Prepared: 05-Aug-24				Analyzed: 27-Aug-24	
Mercury (Hg)	NA	0.0445	1	1E-05	0.00002	µg/dry g	0.061	73	70 - 130%	PASS			

Elements

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119153-MS1	**TS-DP-C1-HH Carcass**					**Matrix: Tissue**			**Sampled: 06-Sep-23**				**Received: 17-Jun-24**		
		Method: EPA 6020				Batch ID: E-29136			Prepared: 05-Aug-24				Analyzed: 22-Aug-24		
Arsenic (As)	NA	8.98	1	0.025	0.05	µg/wet g	7.48	1.22	104	84 - 122%	PASS				
Selenium (Se)	NA	7.82	1	0.025	0.05	µg/wet g	7.48	0.355	100	83 - 129%	PASS				
		Method: EPA 245.7				Batch ID: E-32106			Prepared: 07-Aug-24				Analyzed: 08-Aug-24		
Mercury (Hg)	NA	0.115	1	1E-05	0.00002	µg/wet g	0.0934	0.0258	96	74 - 131%	PASS				
Sample ID: 119153-MS2	**TS-DP-C1-HH Carcass**					**Matrix: Tissue**			**Sampled: 06-Sep-23**				**Received: 17-Jun-24**		
		Method: EPA 6020				Batch ID: E-29136			Prepared: 05-Aug-24				Analyzed: 22-Aug-24		
Arsenic (As)	NA	8.78	1	0.025	0.05	µg/wet g	7.48	1.22	101	84 - 122%	PASS	3	25	PASS	
Selenium (Se)	NA	7.58	1	0.025	0.05	µg/wet g	7.48	0.355	97	83 - 129%	PASS	3	25	PASS	
		Method: EPA 245.7				Batch ID: E-32106			Prepared: 07-Aug-24				Analyzed: 08-Aug-24		
Mercury (Hg)	NA	0.108	1	1E-05	0.00002	µg/wet g	0.0934	0.0258	88	74 - 131%	PASS	9	25	PASS	
Sample ID: 119153-R2	**TS-DP-C1-HH Carcass**					**Matrix: Tissue**			**Sampled: 06-Sep-23**				**Received: 17-Jun-24**		
		Method: EPA 6020				Batch ID: E-29136			Prepared: 05-Aug-24				Analyzed: 22-Aug-24		
Arsenic (As)	NA	1.35	1	0.025	0.05	µg/wet g						10		PASS	
Selenium (Se)	NA	0.377	1	0.025	0.05	µg/wet g						6		PASS	
		Method: EPA 245.7				Batch ID: E-32106			Prepared: 07-Aug-24				Analyzed: 08-Aug-24		
Mercury (Hg)	NA	0.0236	1	1E-05	0.00002	µg/wet g						9		PASS	
Sample ID: 119163-MS1	**SSB-OS-C2-HH Skin-off Filets**					**Matrix: Tissue**			**Sampled: 07-Sep-23**				**Received: 17-Jun-24**		
		Method: EPA 6020				Batch ID: E-29137			Prepared: 05-Aug-24				Analyzed: 22-Aug-24		
Arsenic (As)	NA	8.69	1	0.025	0.05	µg/wet g	8.5	0.448	97	84 - 122%	PASS				
Selenium (Se)	NA	8.63	1	0.025	0.05	µg/wet g	8.5	0.224	99	83 - 129%	PASS				
		Method: EPA 245.7				Batch ID: E-32107			Prepared: 05-Aug-24				Analyzed: 12-Aug-24		
Mercury (Hg)	NA	0.186	1	1E-05	0.00002	µg/wet g	0.106	0.0805	100	74 - 131%	PASS				

Elements

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119163-MS2	**SSB-OS-C2-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 07-Sep-23**					**Received: 17-Jun-24**	
	Method: EPA 6020					Batch ID: E-29137		Prepared: 05-Aug-24					Analyzed: 22-Aug-24	
Arsenic (As)	NA	8.71	1	0.025	0.05	µg/wet g	8.5	0.448	97	84 - 122%	PASS	0	25 PASS	
Selenium (Se)	NA	8.56	1	0.025	0.05	µg/wet g	8.5	0.224	98	83 - 129%	PASS	1	25 PASS	
	Method: EPA 245.7					Batch ID: E-32107		Prepared: 05-Aug-24					Analyzed: 12-Aug-24	
Mercury (Hg)	NA	0.184	1	1E-05	0.00002	µg/wet g	0.106	0.0805	98	74 - 131%	PASS	2	25 PASS	
Sample ID: 119163-R2	**SSB-OS-C2-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 07-Sep-23**					**Received: 17-Jun-24**	
	Method: EPA 6020					Batch ID: E-29137		Prepared: 05-Aug-24					Analyzed: 22-Aug-24	
Arsenic (As)	NA	0.475	1	0.025	0.05	µg/wet g						6	PASS	
Selenium (Se)	NA	0.22	1	0.025	0.05	µg/wet g						2	PASS	
	Method: EPA 245.7					Batch ID: E-32107		Prepared: 05-Aug-24					Analyzed: 12-Aug-24	
Mercury (Hg)	NA	0.0774	1	1E-05	0.00002	µg/wet g						4	PASS	
Sample ID: 119173-MS1	**KB-OS-ER Carcass + Offal**					**Matrix: Tissue**		**Sampled: 07-Sep-23**					**Received: 17-Jun-24**	
	Method: EPA 6020					Batch ID: E-29138		Prepared: 05-Aug-24					Analyzed: 22-Aug-24	
Arsenic (As)	NA	12.2	1	0.025	0.05	µg/wet g	8.82	3.5	99	84 - 122%	PASS			
Selenium (Se)	NA	9.4	1	0.025	0.05	µg/wet g	8.82	0.412	102	83 - 129%	PASS			
	Method: EPA 245.7					Batch ID: E-32108		Prepared: 05-Aug-24					Analyzed: 12-Aug-24	
Mercury (Hg)	NA	0.176	1	1E-05	0.00002	µg/wet g	0.11	0.0666	99	74 - 131%	PASS			
Sample ID: 119173-MS2	**KB-OS-ER Carcass + Offal**					**Matrix: Tissue**		**Sampled: 07-Sep-23**					**Received: 17-Jun-24**	
	Method: EPA 6020					Batch ID: E-29138		Prepared: 05-Aug-24					Analyzed: 22-Aug-24	
Arsenic (As)	NA	11.6	1	0.025	0.05	µg/wet g	8.82	3.5	92	84 - 122%	PASS	7	25 PASS	
Selenium (Se)	NA	9.12	1	0.025	0.05	µg/wet g	8.82	0.412	99	83 - 129%	PASS	3	25 PASS	
	Method: EPA 245.7					Batch ID: E-32108		Prepared: 05-Aug-24					Analyzed: 12-Aug-24	
Mercury (Hg)	NA	0.163	1	1E-05	0.00002	µg/wet g	0.11	0.0666	88	74 - 131%	PASS	12	25 PASS	

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119173-R2	**KB-OS-ER Carcass + Offal**					**Matrix: Tissue**			**Sampled: 07-Sep-23**				**Received: 17-Jun-24**	
	Method: EPA 6020					Batch ID: E-29138			Prepared: 05-Aug-24				Analyzed: 22-Aug-24	
Arsenic (As)	NA	3.63	1	0.025	0.05	µg/wet g						4	PASS	
Selenium (Se)	NA	0.401	1	0.025	0.05	µg/wet g						3	PASS	
	Method: EPA 245.7					Batch ID: E-32108			Prepared: 05-Aug-24				Analyzed: 12-Aug-24	
Mercury (Hg)	NA	0.0683	1	1E-05	0.00002	µg/wet g						3	PASS	
Sample ID: 119183-MS1	**CAH-MB-HH Skin-off Filets**					**Matrix: Tissue**			**Sampled: 23-Aug-23**				**Received: 17-Jun-24**	
	Method: EPA 6020					Batch ID: E-29139			Prepared: 05-Aug-24				Analyzed: 23-Aug-24	
Arsenic (As)	NA	13.3	1	0.025	0.05	µg/wet g	13	0.443	99	84 - 122%	PASS			
Selenium (Se)	NA	13.3	1	0.025	0.05	µg/wet g	13	0.355	100	83 - 129%	PASS			
	Method: EPA 245.7					Batch ID: E-32111			Prepared: 05-Aug-24				Analyzed: 19-Aug-24	
Mercury (Hg)	NA	0.196	1	1E-05	0.00002	µg/wet g	0.162	0.0454	93	74 - 131%	PASS			
Sample ID: 119183-MS2	**CAH-MB-HH Skin-off Filets**					**Matrix: Tissue**			**Sampled: 23-Aug-23**				**Received: 17-Jun-24**	
	Method: EPA 6020					Batch ID: E-29139			Prepared: 05-Aug-24				Analyzed: 23-Aug-24	
Arsenic (As)	NA	12.5	1	0.025	0.05	µg/wet g	13	0.443	93	84 - 122%	PASS	6	25 PASS	
Selenium (Se)	NA	12.8	1	0.025	0.05	µg/wet g	13	0.355	96	83 - 129%	PASS	4	25 PASS	
	Method: EPA 245.7					Batch ID: E-32111			Prepared: 05-Aug-24				Analyzed: 19-Aug-24	
Mercury (Hg)	NA	0.198	1	1E-05	0.00002	µg/wet g	0.162	0.0454	94	74 - 131%	PASS	1	25 PASS	
Sample ID: 119183-R2	**CAH-MB-HH Skin-off Filets**					**Matrix: Tissue**			**Sampled: 23-Aug-23**				**Received: 17-Jun-24**	
	Method: EPA 6020					Batch ID: E-29139			Prepared: 05-Aug-24				Analyzed: 22-Aug-24	
Arsenic (As)	NA	0.448	1	0.025	0.05	µg/wet g						1	PASS	
Selenium (Se)	NA	0.336	1	0.025	0.05	µg/wet g						5	PASS	
	Method: EPA 245.7					Batch ID: E-32111			Prepared: 05-Aug-24				Analyzed: 19-Aug-24	
Mercury (Hg)	NA	0.0453	1	1E-05	0.00002	µg/wet g						0	PASS	

Elements

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119193-MS1	**SSB-NSDB-C1-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 24-Aug-23**					**Received: 17-Jun-24**		
		Method: EPA 6020				Batch ID: E-29140		Prepared: 05-Aug-24					Analyzed: 23-Aug-24		
Arsenic (As)	NA	9.4	1	0.025	0.05	µg/wet g	9.34	0.566	95	84 - 122%	PASS				
Selenium (Se)	NA	9.46	1	0.025	0.05	µg/wet g	9.34	0.409	97	83 - 129%	PASS				
		Method: EPA 245.7				Batch ID: E-32112		Prepared: 05-Aug-24					Analyzed: 19-Aug-24		
Mercury (Hg)	NA	0.211	1	1E-05	0.00002	µg/wet g	0.117	0.111	85	74 - 131%	PASS				
Sample ID: 119193-MS2	**SSB-NSDB-C1-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 24-Aug-23**					**Received: 17-Jun-24**		
		Method: EPA 6020				Batch ID: E-29140		Prepared: 05-Aug-24					Analyzed: 23-Aug-24		
Arsenic (As)	NA	9.34	1	0.025	0.05	µg/wet g	9.34	0.566	94	84 - 122%	PASS	1	25	PASS	
Selenium (Se)	NA	9.45	1	0.025	0.05	µg/wet g	9.34	0.409	97	83 - 129%	PASS	0	25	PASS	
		Method: EPA 245.7				Batch ID: E-32112		Prepared: 05-Aug-24					Analyzed: 19-Aug-24		
Mercury (Hg)	NA	0.213	1	1E-05	0.00002	µg/wet g	0.117	0.111	87	74 - 131%	PASS	2	25	PASS	
Sample ID: 119193-R2	**SSB-NSDB-C1-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 24-Aug-23**					**Received: 17-Jun-24**		
		Method: EPA 6020				Batch ID: E-29140		Prepared: 05-Aug-24					Analyzed: 23-Aug-24		
Arsenic (As)	NA	0.446	1	0.025	0.05	µg/wet g						24		PASS	
Selenium (Se)	NA	0.368	1	0.025	0.05	µg/wet g						11		PASS	
		Method: EPA 245.7				Batch ID: E-32112		Prepared: 05-Aug-24					Analyzed: 19-Aug-24		
Mercury (Hg)	NA	0.119	1	1E-05	0.00002	µg/wet g						7		PASS	
Sample ID: 119202-MS1	**TS-NSDB-C1-HH Carcass**					**Matrix: Tissue**		**Sampled: 15-Sep-23**					**Received: 17-Jun-24**		
		Method: EPA 6020				Batch ID: E-29141		Prepared: 05-Aug-24					Analyzed: 23-Aug-24		
Arsenic (As)	NA	19.4	1	0.025	0.05	µg/wet g	19	1.09	96	84 - 122%	PASS				
Selenium (Se)	NA	18.9	1	0.025	0.05	µg/wet g	19	0.34	98	83 - 129%	PASS				
		Method: EPA 245.7				Batch ID: E-32113		Prepared: 05-Aug-24					Analyzed: 19-Aug-24		
Mercury (Hg)	NA	0.289	1	1E-05	0.00002	µg/wet g	0.238	0	121	74 - 131%	PASS				

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QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119202-MS2	**TS-NSDB-C1-HH Carcass**					**Matrix: Tissue**			**Sampled: 15-Sep-23**				**Received: 17-Jun-24**	
		Method: EPA 6020				Batch ID: E-29141			Prepared: 05-Aug-24				Analyzed: 23-Aug-24	
Arsenic (As)	NA	19.6	1	0.025	0.05	µg/wet g	19	1.09	97	84 - 122%	PASS	1	25 PASS	
Selenium (Se)	NA	19.2	1	0.025	0.05	µg/wet g	19	0.34	99	83 - 129%	PASS	1	25 PASS	
		Method: EPA 245.7				Batch ID: E-32113			Prepared: 05-Aug-24				Analyzed: 19-Aug-24	
Mercury (Hg)	NA	0.292	1	1E-05	0.00002	µg/wet g	0.238	0	123	74 - 131%	PASS	2	PASS	
Sample ID: 119202-R2	**TS-NSDB-C1-HH Carcass**					**Matrix: Tissue**			**Sampled: 15-Sep-23**				**Received: 17-Jun-24**	
		Method: EPA 6020				Batch ID: E-29141			Prepared: 05-Aug-24				Analyzed: 23-Aug-24	
Arsenic (As)	NA	1.28	1	0.025	0.05	µg/wet g						16	PASS	
Selenium (Se)	NA	0.403	1	0.025	0.05	µg/wet g						17	PASS	
		Method: EPA 245.7				Batch ID: E-32113			Prepared: 05-Aug-24				Analyzed: 19-Aug-24	
Mercury (Hg)	NA	0.0774	1	1E-05	0.00002	µg/wet g						0	PASS	
Sample ID: 119212-MS1	**BC-SSDB-C1-ER Whole Fish**					**Matrix: Tissue**			**Sampled: 25-Aug-23**				**Received: 17-Jun-24**	
		Method: EPA 6020				Batch ID: E-29142			Prepared: 05-Aug-24				Analyzed: 23-Aug-24	
Arsenic (As)	NA	14.2	1	0.025	0.05	µg/wet g	13.8	0.892	96	84 - 122%	PASS			
Selenium (Se)	NA	14.5	1	0.025	0.05	µg/wet g	13.8	0.703	100	83 - 129%	PASS			
		Method: EPA 245.7				Batch ID: E-32118			Prepared: 05-Aug-24				Analyzed: 27-Aug-24	
Mercury (Hg)	NA	0.205	1	1E-05	0.00002	µg/wet g	0.172	0.0682	80	74 - 131%	PASS			
Sample ID: 119212-MS2	**BC-SSDB-C1-ER Whole Fish**					**Matrix: Tissue**			**Sampled: 25-Aug-23**				**Received: 17-Jun-24**	
		Method: EPA 6020				Batch ID: E-29142			Prepared: 05-Aug-24				Analyzed: 23-Aug-24	
Arsenic (As)	NA	13.9	1	0.025	0.05	µg/wet g	13.8	0.892	94	84 - 122%	PASS	2	25 PASS	
Selenium (Se)	NA	14.1	1	0.025	0.05	µg/wet g	13.8	0.703	97	83 - 129%	PASS	3	25 PASS	
		Method: EPA 245.7				Batch ID: E-32118			Prepared: 05-Aug-24				Analyzed: 27-Aug-24	
Mercury (Hg)	NA	0.207	1	1E-05	0.00002	µg/wet g	0.172	0.0682	81	74 - 131%	PASS	1	25 PASS	

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119212-R2	**BC-SSDB-C1-ER Whole Fish**					**Matrix: Tissue**			**Sampled: 25-Aug-23**				**Received: 17-Jun-24**	
		Method: EPA 6020				Batch ID: E-29142			Prepared: 05-Aug-24				Analyzed: 23-Aug-24	
Arsenic (As)	NA	0.685	1	0.025	0.05	µg/wet g						26	PASS	
Selenium (Se)	NA	0.589	1	0.025	0.05	µg/wet g						18	PASS	
		Method: EPA 245.7				Batch ID: E-32118			Prepared: 05-Aug-24				Analyzed: 27-Aug-24	
Mercury (Hg)	NA	0.059	1	1E-05	0.00002	µg/wet g						14	PASS	
Sample ID: 119222-MS1	**TS-SSDB-ER Whole Fish**					**Matrix: Tissue**			**Sampled: 29-Jan-24**				**Received: 17-Jun-24**	
		Method: EPA 6020				Batch ID: E-29143			Prepared: 05-Aug-24				Analyzed: 23-Aug-24	
Arsenic (As)	NA	13.6	1	0.025	0.05	µg/wet g	13.4	0.707	96	84 - 122%	PASS			
Selenium (Se)	NA	13.6	1	0.025	0.05	µg/wet g	13.4	0.498	98	83 - 129%	PASS			
		Method: EPA 245.7				Batch ID: E-32119			Prepared: 05-Aug-24				Analyzed: 27-Aug-24	
Mercury (Hg)	NA	0.156	1	1E-05	0.00002	µg/wet g	0.168	0.0214	80	74 - 131%	PASS			
Sample ID: 119222-MS2	**TS-SSDB-ER Whole Fish**					**Matrix: Tissue**			**Sampled: 29-Jan-24**				**Received: 17-Jun-24**	
		Method: EPA 6020				Batch ID: E-29143			Prepared: 05-Aug-24				Analyzed: 23-Aug-24	
Arsenic (As)	NA	13.6	1	0.025	0.05	µg/wet g	13.4	0.707	96	84 - 122%	PASS	0	25 PASS	
Selenium (Se)	NA	13.8	1	0.025	0.05	µg/wet g	13.4	0.498	99	83 - 129%	PASS	1	25 PASS	
		Method: EPA 245.7				Batch ID: E-32119			Prepared: 05-Aug-24				Analyzed: 27-Aug-24	
Mercury (Hg)	NA	0.148	1	1E-05	0.00002	µg/wet g	0.168	0.0214	75	74 - 131%	PASS	6	25 PASS	
Sample ID: 119222-R2	**TS-SSDB-ER Whole Fish**					**Matrix: Tissue**			**Sampled: 29-Jan-24**				**Received: 17-Jun-24**	
		Method: EPA 6020				Batch ID: E-29143			Prepared: 05-Aug-24				Analyzed: 23-Aug-24	
Arsenic (As)	NA	0.78	1	0.025	0.05	µg/wet g						10	PASS	
Selenium (Se)	NA	0.497	1	0.025	0.05	µg/wet g						0	PASS	
		Method: EPA 245.7				Batch ID: E-32119			Prepared: 05-Aug-24				Analyzed: 27-Aug-24	
Mercury (Hg)	NA	0.0191	1	1E-05	0.00002	µg/wet g						11	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119141-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: EPA 8270E					Batch ID: O-49056	Prepared: 09-Jan-25					Analyzed: 13-Jan-25	
PCB 003	Total	ND	1	0.25	0.5	ng/wet g							
PCB 005	Total	ND	1	0.25	0.5	ng/wet g							
PCB 008	Total	ND	1	0.017	0.5	ng/wet g							
PCB 015	Total	ND	1	0.25	0.5	ng/wet g							
PCB 018	Total	ND	1	0.029	0.5	ng/wet g							
PCB 027	Total	ND	1	0.25	0.5	ng/wet g							
PCB 028	Total	ND	1	0.023	0.5	ng/wet g							
PCB 029	Total	ND	1	0.25	0.5	ng/wet g							
PCB 031	Total	ND	1	0.25	0.5	ng/wet g							
PCB 033	Total	ND	1	0.25	0.5	ng/wet g							
PCB 037	Total	ND	1	0.06	0.5	ng/wet g							
PCB 044	Total	ND	1	0.028	0.5	ng/wet g							
PCB 049	Total	ND	1	0.036	0.5	ng/wet g							
PCB 052	Total	ND	1	0.012	0.5	ng/wet g							
PCB 056/60	Total	ND	1	0.25	0.5	ng/wet g							
PCB 066	Total	ND	1	0.027	0.5	ng/wet g							
PCB 070	Total	ND	1	0.023	0.5	ng/wet g							
PCB 074	Total	ND	1	0.021	0.5	ng/wet g							
PCB 077	Total	ND	1	0.018	0.5	ng/wet g							
PCB 081	Total	ND	1	0.084	0.5	ng/wet g							
PCB 087	Total	ND	1	0.081	0.5	ng/wet g							
PCB 095	Total	ND	1	0.25	0.5	ng/wet g							
PCB 097	Total	ND	1	0.25	0.5	ng/wet g							

PCB Congeners

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	ND	1	0.028	0.5	ng/wet g							
PCB 101	Total	ND	1	0.027	0.5	ng/wet g							
PCB 105	Total	ND	1	0.047	0.5	ng/wet g							
PCB 110	Total	ND	1	0.074	0.5	ng/wet g							
PCB 114	Total	ND	1	0.072	0.5	ng/wet g							
PCB 118	Total	ND	1	0.069	0.5	ng/wet g							
PCB 119	Total	ND	1	0.071	0.5	ng/wet g							
PCB 123	Total	ND	1	0.018	0.5	ng/wet g							
PCB 126	Total	ND	1	0.086	0.5	ng/wet g							
PCB 128	Total	ND	1	0.081	0.5	ng/wet g							
PCB 132/168	Total	ND	1	0.094	0.5	ng/wet g							
PCB 137	Total	ND	1	0.25	0.5	ng/wet g							
PCB 138	Total	ND	1	0.057	0.5	ng/wet g							
PCB 141	Total	ND	1	0.25	0.5	ng/wet g							
PCB 149	Total	ND	1	0.092	0.5	ng/wet g							
PCB 151	Total	ND	1	0.073	0.5	ng/wet g							
PCB 153	Total	ND	1	0.065	0.5	ng/wet g							
PCB 156	Total	ND	1	0.089	0.5	ng/wet g							
PCB 157	Total	ND	1	0.103	0.5	ng/wet g							
PCB 158	Total	ND	1	0.074	0.5	ng/wet g							
PCB 167	Total	ND	1	0.049	0.5	ng/wet g							
PCB 169	Total	ND	1	0.116	0.5	ng/wet g							
PCB 170	Total	ND	1	0.118	0.5	ng/wet g							
PCB 174	Total	ND	1	0.25	0.5	ng/wet g							
PCB 177	Total	ND	1	0.085	0.5	ng/wet g							
PCB 180	Total	ND	1	0.154	0.5	ng/wet g							

PCB Congeners

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
PCB 183	Total	ND	1	0.056	0.5	ng/wet g							
PCB 187	Total	ND	1	0.168	0.5	ng/wet g							
PCB 189	Total	ND	1	0.109	0.5	ng/wet g							
PCB 194	Total	ND	1	0.164	0.5	ng/wet g							
PCB 195	Total	ND	1	0.093	0.5	ng/wet g							
PCB 199	Total	ND	1	0.25	0.5	ng/wet g							
PCB 201	Total	ND	1	0.104	0.5	ng/wet g							
PCB 203	Total	ND	1	0.25	0.5	ng/wet g							
PCB 206	Total	ND	1	0.155	0.5	ng/wet g							
PCB 209	Total	ND	1	0.25	0.5	ng/wet g							

PCB Congeners

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119141-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: EPA 8270E					Batch ID: O-49056			Prepared: 09-Jan-25			Analyzed: 13-Jan-25	
PCB 003	Total	41.8	1	0.25	0.5	ng/wet g	50	0	84	60 - 140%	PASS		
PCB 005	Total	34.2	1	0.25	0.5	ng/wet g	50	0	68	60 - 140%	PASS		
PCB 008	Total	51.4	1	0.017	0.5	ng/wet g	50	0	103	60 - 140%	PASS		
PCB 015	Total	39.8	1	0.25	0.5	ng/wet g	50	0	80	60 - 140%	PASS		
PCB 018	Total	44.7	1	0.029	0.5	ng/wet g	50	0	89	60 - 140%	PASS		
PCB 027	Total	41.1	1	0.25	0.5	ng/wet g	50	0	82	60 - 140%	PASS		
PCB 028	Total	45.7	1	0.023	0.5	ng/wet g	50	0	91	60 - 140%	PASS		
PCB 029	Total	40.4	1	0.25	0.5	ng/wet g	50	0	81	60 - 140%	PASS		
PCB 031	Total	34	1	0.25	0.5	ng/wet g	50	0	68	60 - 140%	PASS		
PCB 033	Total	41.7	1	0.25	0.5	ng/wet g	50	0	83	60 - 140%	PASS		
PCB 037	Total	39.3	1	0.06	0.5	ng/wet g	50	0	79	60 - 140%	PASS		
PCB 044	Total	41.5	1	0.028	0.5	ng/wet g	50	0	83	60 - 140%	PASS		
PCB 049	Total	44	1	0.036	0.5	ng/wet g	50	0	88	60 - 140%	PASS		
PCB 052	Total	41.3	1	0.012	0.5	ng/wet g	50	0	83	60 - 140%	PASS		
PCB 056/60	Total	86.4	1	0.25	0.5	ng/wet g	100	0	86	60 - 140%	PASS		
PCB 066	Total	44.8	1	0.027	0.5	ng/wet g	50	0	90	60 - 140%	PASS		
PCB 070	Total	45.5	1	0.023	0.5	ng/wet g	50	0	91	60 - 140%	PASS		
PCB 074	Total	42.5	1	0.021	0.5	ng/wet g	50	0	85	60 - 140%	PASS		
PCB 077	Total	38	1	0.018	0.5	ng/wet g	50	0	76	60 - 140%	PASS		
PCB 081	Total	40.5	1	0.084	0.5	ng/wet g	50	0	81	60 - 140%	PASS		
PCB 087	Total	40.8	1	0.081	0.5	ng/wet g	50	0	82	60 - 140%	PASS		
PCB 095	Total	43.5	1	0.25	0.5	ng/wet g	50	0	87	60 - 140%	PASS		
PCB 097	Total	42.2	1	0.25	0.5	ng/wet g	50	0	84	60 - 140%	PASS		

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	39.7	1	0.028	0.5	ng/wet g	50	0	79	60 - 140%	PASS			
PCB 101	Total	44.2	1	0.027	0.5	ng/wet g	50	0	88	60 - 140%	PASS			
PCB 105	Total	53.8	1	0.047	0.5	ng/wet g	50	0	108	60 - 140%	PASS			
PCB 110	Total	43.7	1	0.074	0.5	ng/wet g	50	0	87	60 - 140%	PASS			
PCB 114	Total	45.3	1	0.072	0.5	ng/wet g	50	0	91	60 - 140%	PASS			
PCB 118	Total	43.6	1	0.069	0.5	ng/wet g	50	0	87	60 - 140%	PASS			
PCB 119	Total	38.6	1	0.071	0.5	ng/wet g	50	0	77	60 - 140%	PASS			
PCB 123	Total	39.6	1	0.018	0.5	ng/wet g	50	0	79	60 - 140%	PASS			
PCB 126	Total	53.8	1	0.086	0.5	ng/wet g	50	0	108	60 - 140%	PASS			
PCB 128	Total	61.1	1	0.081	0.5	ng/wet g	50	0	122	60 - 140%	PASS			
PCB 132/168	Total	114	1	0.094	0.5	ng/wet g	100	0	114	60 - 140%	PASS			
PCB 137	Total	59.2	1	0.25	0.5	ng/wet g	50	0	118	60 - 140%	PASS			
PCB 138	Total	55.2	1	0.057	0.5	ng/wet g	50	0	110	60 - 140%	PASS			
PCB 141	Total	61.4	1	0.25	0.5	ng/wet g	50	0	123	60 - 140%	PASS			
PCB 149	Total	41.8	1	0.092	0.5	ng/wet g	50	0	84	60 - 140%	PASS			
PCB 151	Total	40.1	1	0.073	0.5	ng/wet g	50	0	80	60 - 140%	PASS			
PCB 153	Total	57.3	1	0.065	0.5	ng/wet g	50	0	115	60 - 140%	PASS			
PCB 156	Total	47.3	1	0.089	0.5	ng/wet g	50	0	95	60 - 140%	PASS			
PCB 157	Total	47	1	0.103	0.5	ng/wet g	50	0	94	60 - 140%	PASS			
PCB 158	Total	42	1	0.074	0.5	ng/wet g	50	0	84	60 - 140%	PASS			
PCB 167	Total	43.8	1	0.049	0.5	ng/wet g	50	0	88	60 - 140%	PASS			
PCB 169	Total	40.1	1	0.116	0.5	ng/wet g	50	0	80	60 - 140%	PASS			
PCB 170	Total	49.1	1	0.118	0.5	ng/wet g	50	0	98	60 - 140%	PASS			
PCB 174	Total	56.9	1	0.25	0.5	ng/wet g	50	0	114	60 - 140%	PASS			
PCB 177	Total	64.4	1	0.085	0.5	ng/wet g	50	0	129	60 - 140%	PASS			
PCB 180	Total	54.8	1	0.154	0.5	ng/wet g	50	0	110	60 - 140%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 183	Total	47.5	1	0.056	0.5	ng/wet g	50	0	95	60 - 140%	PASS			
PCB 187	Total	52.2	1	0.168	0.5	ng/wet g	50	0	104	60 - 140%	PASS			
PCB 189	Total	59.7	1	0.109	0.5	ng/wet g	50	0	119	60 - 140%	PASS			
PCB 194	Total	35.1	1	0.164	0.5	ng/wet g	50	0	70	60 - 140%	PASS			
PCB 195	Total	44.3	1	0.093	0.5	ng/wet g	50	0	89	60 - 140%	PASS			
PCB 199	Total	42.3	1	0.25	0.5	ng/wet g	50	0	85	60 - 140%	PASS			
PCB 201	Total	61.3	1	0.104	0.5	ng/wet g	50	0	123	60 - 140%	PASS			
PCB 203	Total	55.3	1	0.25	0.5	ng/wet g	50	0	111	60 - 140%	PASS			
PCB 206	Total	42.5	1	0.155	0.5	ng/wet g	50	0	85	60 - 140%	PASS			
PCB 209	Total	39.3	1	0.25	0.5	ng/wet g	50	0	79	60 - 140%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119141-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
		Method: EPA 8270E				Batch ID: O-49056		Prepared: 09-Jan-25					Analyzed: 13-Jan-25		
PCB 003	Total	48.7	1	0.25	0.5	ng/wet g	50	0	97	60 - 140%	PASS	14	30	PASS	
PCB 005	Total	40.2	1	0.25	0.5	ng/wet g	50	0	80	60 - 140%	PASS	16	30	PASS	
PCB 008	Total	53.3	1	0.017	0.5	ng/wet g	50	0	107	60 - 140%	PASS	4	30	PASS	
PCB 015	Total	45.4	1	0.25	0.5	ng/wet g	50	0	91	60 - 140%	PASS	13	30	PASS	
PCB 018	Total	49.2	1	0.029	0.5	ng/wet g	50	0	98	60 - 140%	PASS	10	30	PASS	
PCB 027	Total	46.3	1	0.25	0.5	ng/wet g	50	0	93	60 - 140%	PASS	13	30	PASS	
PCB 028	Total	46.9	1	0.023	0.5	ng/wet g	50	0	94	60 - 140%	PASS	3	30	PASS	
PCB 029	Total	40.8	1	0.25	0.5	ng/wet g	50	0	82	60 - 140%	PASS	1	30	PASS	
PCB 031	Total	36	1	0.25	0.5	ng/wet g	50	0	72	60 - 140%	PASS	6	30	PASS	
PCB 033	Total	46	1	0.25	0.5	ng/wet g	50	0	92	60 - 140%	PASS	10	30	PASS	
PCB 037	Total	41	1	0.06	0.5	ng/wet g	50	0	82	60 - 140%	PASS	4	30	PASS	
PCB 044	Total	43.8	1	0.028	0.5	ng/wet g	50	0	88	60 - 140%	PASS	6	30	PASS	
PCB 049	Total	45.8	1	0.036	0.5	ng/wet g	50	0	92	60 - 140%	PASS	4	30	PASS	
PCB 052	Total	44.8	1	0.012	0.5	ng/wet g	50	0	90	60 - 140%	PASS	8	30	PASS	
PCB 056/60	Total	94.8	1	0.25	0.5	ng/wet g	100	0	95	60 - 140%	PASS	10	30	PASS	
PCB 066	Total	48.9	1	0.027	0.5	ng/wet g	50	0	98	60 - 140%	PASS	9	30	PASS	
PCB 070	Total	45.7	1	0.023	0.5	ng/wet g	50	0	91	60 - 140%	PASS	0	30	PASS	
PCB 074	Total	44.4	1	0.021	0.5	ng/wet g	50	0	89	60 - 140%	PASS	5	30	PASS	
PCB 077	Total	47.5	1	0.018	0.5	ng/wet g	50	0	95	60 - 140%	PASS	22	30	PASS	
PCB 081	Total	45.3	1	0.084	0.5	ng/wet g	50	0	91	60 - 140%	PASS	12	30	PASS	
PCB 087	Total	48.9	1	0.081	0.5	ng/wet g	50	0	98	60 - 140%	PASS	18	30	PASS	
PCB 095	Total	47.9	1	0.25	0.5	ng/wet g	50	0	96	60 - 140%	PASS	10	30	PASS	
PCB 097	Total	47.8	1	0.25	0.5	ng/wet g	50	0	96	60 - 140%	PASS	13	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	47.1	1	0.028	0.5	ng/wet g	50	0	94	60 - 140%	PASS	17	30	PASS
PCB 101	Total	49.6	1	0.027	0.5	ng/wet g	50	0	99	60 - 140%	PASS	12	30	PASS
PCB 105	Total	54.2	1	0.047	0.5	ng/wet g	50	0	108	60 - 140%	PASS	0	30	PASS
PCB 110	Total	47.8	1	0.074	0.5	ng/wet g	50	0	96	60 - 140%	PASS	10	30	PASS
PCB 114	Total	52.6	1	0.072	0.5	ng/wet g	50	0	105	60 - 140%	PASS	14	30	PASS
PCB 118	Total	49	1	0.069	0.5	ng/wet g	50	0	98	60 - 140%	PASS	12	30	PASS
PCB 119	Total	48.7	1	0.071	0.5	ng/wet g	50	0	97	60 - 140%	PASS	23	30	PASS
PCB 123	Total	45.6	1	0.018	0.5	ng/wet g	50	0	91	60 - 140%	PASS	14	30	PASS
PCB 126	Total	51.2	1	0.086	0.5	ng/wet g	50	0	102	60 - 140%	PASS	6	30	PASS
PCB 128	Total	61.2	1	0.081	0.5	ng/wet g	50	0	122	60 - 140%	PASS	0	30	PASS
PCB 132/168	Total	116	1	0.094	0.5	ng/wet g	100	0	116	60 - 140%	PASS	2	30	PASS
PCB 137	Total	64.1	1	0.25	0.5	ng/wet g	50	0	128	60 - 140%	PASS	8	30	PASS
PCB 138	Total	59.2	1	0.057	0.5	ng/wet g	50	0	118	60 - 140%	PASS	7	30	PASS
PCB 141	Total	60.4	1	0.25	0.5	ng/wet g	50	0	121	60 - 140%	PASS	2	30	PASS
PCB 149	Total	46.8	1	0.092	0.5	ng/wet g	50	0	94	60 - 140%	PASS	11	30	PASS
PCB 151	Total	46.4	1	0.073	0.5	ng/wet g	50	0	93	60 - 140%	PASS	15	30	PASS
PCB 153	Total	60.1	1	0.065	0.5	ng/wet g	50	0	120	60 - 140%	PASS	4	30	PASS
PCB 156	Total	43.2	1	0.089	0.5	ng/wet g	50	0	86	60 - 140%	PASS	10	30	PASS
PCB 157	Total	43.4	1	0.103	0.5	ng/wet g	50	0	87	60 - 140%	PASS	8	30	PASS
PCB 158	Total	40	1	0.074	0.5	ng/wet g	50	0	80	60 - 140%	PASS	5	30	PASS
PCB 167	Total	46.7	1	0.049	0.5	ng/wet g	50	0	93	60 - 140%	PASS	6	30	PASS
PCB 169	Total	44.7	1	0.116	0.5	ng/wet g	50	0	89	60 - 140%	PASS	11	30	PASS
PCB 170	Total	43.2	1	0.118	0.5	ng/wet g	50	0	86	60 - 140%	PASS	13	30	PASS
PCB 174	Total	60.7	1	0.25	0.5	ng/wet g	50	0	121	60 - 140%	PASS	6	30	PASS
PCB 177	Total	64.5	1	0.085	0.5	ng/wet g	50	0	129	60 - 140%	PASS	0	30	PASS
PCB 180	Total	56.1	1	0.154	0.5	ng/wet g	50	0	112	60 - 140%	PASS	2	30	PASS

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
PCB 183	Total	43	1	0.056	0.5	ng/wet g	50	0	86	60 - 140%	PASS	10	30	PASS	
PCB 187	Total	45	1	0.168	0.5	ng/wet g	50	0	90	60 - 140%	PASS	14	30	PASS	
PCB 189	Total	40.9	1	0.109	0.5	ng/wet g	50	0	82	60 - 140%	PASS	37	30	FAIL	R
PCB 194	Total	33	1	0.164	0.5	ng/wet g	50	0	66	60 - 140%	PASS	6	30	PASS	
PCB 195	Total	46.8	1	0.093	0.5	ng/wet g	50	0	94	60 - 140%	PASS	5	30	PASS	
PCB 199	Total	38.4	1	0.25	0.5	ng/wet g	50	0	77	60 - 140%	PASS	10	30	PASS	
PCB 201	Total	58.6	1	0.104	0.5	ng/wet g	50	0	117	60 - 140%	PASS	5	30	PASS	
PCB 203	Total	50.7	1	0.25	0.5	ng/wet g	50	0	101	60 - 140%	PASS	9	30	PASS	
PCB 206	Total	40.5	1	0.155	0.5	ng/wet g	50	0	81	60 - 140%	PASS	5	30	PASS	
PCB 209	Total	41.9	1	0.25	0.5	ng/wet g	50	0	84	60 - 140%	PASS	6	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119142-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: EPA 8270E					Batch ID: O-49058	Prepared: 12-Jan-25					Analyzed: 15-Jan-25	
PCB 003	Total	ND	1	0.25	0.5	ng/wet g							
PCB 005	Total	ND	1	0.25	0.5	ng/wet g							
PCB 008	Total	ND	1	0.017	0.5	ng/wet g							
PCB 015	Total	ND	1	0.25	0.5	ng/wet g							
PCB 018	Total	ND	1	0.029	0.5	ng/wet g							
PCB 027	Total	ND	1	0.25	0.5	ng/wet g							
PCB 028	Total	ND	1	0.023	0.5	ng/wet g							
PCB 029	Total	ND	1	0.25	0.5	ng/wet g							
PCB 031	Total	ND	1	0.25	0.5	ng/wet g							
PCB 033	Total	ND	1	0.25	0.5	ng/wet g							
PCB 037	Total	ND	1	0.06	0.5	ng/wet g							
PCB 044	Total	ND	1	0.028	0.5	ng/wet g							
PCB 049	Total	ND	1	0.036	0.5	ng/wet g							
PCB 052	Total	ND	1	0.012	0.5	ng/wet g							
PCB 056/60	Total	ND	1	0.25	0.5	ng/wet g							
PCB 066	Total	ND	1	0.027	0.5	ng/wet g							
PCB 070	Total	ND	1	0.023	0.5	ng/wet g							
PCB 074	Total	ND	1	0.021	0.5	ng/wet g							
PCB 077	Total	ND	1	0.018	0.5	ng/wet g							
PCB 081	Total	ND	1	0.084	0.5	ng/wet g							
PCB 087	Total	ND	1	0.081	0.5	ng/wet g							
PCB 095	Total	ND	1	0.25	0.5	ng/wet g							
PCB 097	Total	ND	1	0.25	0.5	ng/wet g							

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	ND	1	0.028	0.5	ng/wet g							
PCB 101	Total	ND	1	0.027	0.5	ng/wet g							
PCB 105	Total	ND	1	0.047	0.5	ng/wet g							
PCB 110	Total	ND	1	0.074	0.5	ng/wet g							
PCB 114	Total	ND	1	0.072	0.5	ng/wet g							
PCB 118	Total	ND	1	0.069	0.5	ng/wet g							
PCB 119	Total	ND	1	0.071	0.5	ng/wet g							
PCB 123	Total	ND	1	0.018	0.5	ng/wet g							
PCB 126	Total	ND	1	0.086	0.5	ng/wet g							
PCB 128	Total	ND	1	0.081	0.5	ng/wet g							
PCB 132/168	Total	ND	1	0.094	0.5	ng/wet g							
PCB 137	Total	ND	1	0.25	0.5	ng/wet g							
PCB 138	Total	ND	1	0.057	0.5	ng/wet g							
PCB 141	Total	ND	1	0.25	0.5	ng/wet g							
PCB 149	Total	ND	1	0.092	0.5	ng/wet g							
PCB 151	Total	ND	1	0.073	0.5	ng/wet g							
PCB 153	Total	ND	1	0.065	0.5	ng/wet g							
PCB 156	Total	ND	1	0.089	0.5	ng/wet g							
PCB 157	Total	ND	1	0.103	0.5	ng/wet g							
PCB 158	Total	ND	1	0.074	0.5	ng/wet g							
PCB 167	Total	ND	1	0.049	0.5	ng/wet g							
PCB 169	Total	ND	1	0.116	0.5	ng/wet g							
PCB 170	Total	ND	1	0.118	0.5	ng/wet g							
PCB 174	Total	ND	1	0.25	0.5	ng/wet g							
PCB 177	Total	ND	1	0.085	0.5	ng/wet g							
PCB 180	Total	ND	1	0.154	0.5	ng/wet g							

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
PCB 183	Total	ND	1	0.056	0.5	ng/wet g							
PCB 187	Total	ND	1	0.168	0.5	ng/wet g							
PCB 189	Total	ND	1	0.109	0.5	ng/wet g							
PCB 194	Total	ND	1	0.164	0.5	ng/wet g							
PCB 195	Total	ND	1	0.093	0.5	ng/wet g							
PCB 199	Total	ND	1	0.25	0.5	ng/wet g							
PCB 201	Total	ND	1	0.104	0.5	ng/wet g							
PCB 203	Total	ND	1	0.25	0.5	ng/wet g							
PCB 206	Total	ND	1	0.155	0.5	ng/wet g							
PCB 209	Total	ND	1	0.25	0.5	ng/wet g							

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119142-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**				**Received:**	
	Method: EPA 8270E					Batch ID: O-49058		Prepared: 12-Jan-25				Analyzed: 15-Jan-25	
PCB 003	Total	27.9	1	0.25	0.5	ng/wet g	50	0	56	60 - 140%	FAIL		R
PCB 005	Total	37.1	1	0.25	0.5	ng/wet g	50	0	74	60 - 140%	PASS		
PCB 008	Total	35	1	0.017	0.5	ng/wet g	50	0	70	60 - 140%	PASS		
PCB 015	Total	36.7	1	0.25	0.5	ng/wet g	50	0	73	60 - 140%	PASS		
PCB 018	Total	39	1	0.029	0.5	ng/wet g	50	0	78	60 - 140%	PASS		
PCB 027	Total	28.4	1	0.25	0.5	ng/wet g	50	0	57	60 - 140%	FAIL		R
PCB 028	Total	42.6	1	0.023	0.5	ng/wet g	50	0	85	60 - 140%	PASS		
PCB 029	Total	50.5	1	0.25	0.5	ng/wet g	50	0	101	60 - 140%	PASS		
PCB 031	Total	43.9	1	0.25	0.5	ng/wet g	50	0	88	60 - 140%	PASS		
PCB 033	Total	45	1	0.25	0.5	ng/wet g	50	0	90	60 - 140%	PASS		
PCB 037	Total	40	1	0.06	0.5	ng/wet g	50	0	80	60 - 140%	PASS		
PCB 044	Total	46.7	1	0.028	0.5	ng/wet g	50	0	93	60 - 140%	PASS		
PCB 049	Total	48.6	1	0.036	0.5	ng/wet g	50	0	97	60 - 140%	PASS		
PCB 052	Total	48.6	1	0.012	0.5	ng/wet g	50	0	97	60 - 140%	PASS		
PCB 056/60	Total	96.6	1	0.25	0.5	ng/wet g	100	0	97	60 - 140%	PASS		
PCB 066	Total	48.9	1	0.027	0.5	ng/wet g	50	0	98	60 - 140%	PASS		
PCB 070	Total	51.6	1	0.023	0.5	ng/wet g	50	0	103	60 - 140%	PASS		
PCB 074	Total	49.3	1	0.021	0.5	ng/wet g	50	0	99	60 - 140%	PASS		
PCB 077	Total	43.2	1	0.018	0.5	ng/wet g	50	0	86	60 - 140%	PASS		
PCB 081	Total	45.5	1	0.084	0.5	ng/wet g	50	0	91	60 - 140%	PASS		
PCB 087	Total	49.6	1	0.081	0.5	ng/wet g	50	0	99	60 - 140%	PASS		
PCB 095	Total	45.2	1	0.25	0.5	ng/wet g	50	0	90	60 - 140%	PASS		
PCB 097	Total	51.2	1	0.25	0.5	ng/wet g	50	0	102	60 - 140%	PASS		

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	44.7	1	0.028	0.5	ng/wet g	50	0	89	60 - 140%	PASS			
PCB 101	Total	50.4	1	0.027	0.5	ng/wet g	50	0	101	60 - 140%	PASS			
PCB 105	Total	46	1	0.047	0.5	ng/wet g	50	0	92	60 - 140%	PASS			
PCB 110	Total	47.2	1	0.074	0.5	ng/wet g	50	0	94	60 - 140%	PASS			
PCB 114	Total	50	1	0.072	0.5	ng/wet g	50	0	100	60 - 140%	PASS			
PCB 118	Total	45	1	0.069	0.5	ng/wet g	50	0	90	60 - 140%	PASS			
PCB 119	Total	45.3	1	0.071	0.5	ng/wet g	50	0	91	60 - 140%	PASS			
PCB 123	Total	43.6	1	0.018	0.5	ng/wet g	50	0	87	60 - 140%	PASS			
PCB 126	Total	44.8	1	0.086	0.5	ng/wet g	50	0	90	60 - 140%	PASS			
PCB 128	Total	44.7	1	0.081	0.5	ng/wet g	50	0	89	60 - 140%	PASS			
PCB 132/168	Total	92.7	1	0.094	0.5	ng/wet g	100	0	93	60 - 140%	PASS			
PCB 137	Total	50	1	0.25	0.5	ng/wet g	50	0	100	60 - 140%	PASS			
PCB 138	Total	49.3	1	0.057	0.5	ng/wet g	50	0	99	60 - 140%	PASS			
PCB 141	Total	46.9	1	0.25	0.5	ng/wet g	50	0	94	60 - 140%	PASS			
PCB 149	Total	42.7	1	0.092	0.5	ng/wet g	50	0	85	60 - 140%	PASS			
PCB 151	Total	47	1	0.073	0.5	ng/wet g	50	0	94	60 - 140%	PASS			
PCB 153	Total	49.8	1	0.065	0.5	ng/wet g	50	0	100	60 - 140%	PASS			
PCB 156	Total	59.3	1	0.089	0.5	ng/wet g	50	0	119	60 - 140%	PASS			
PCB 157	Total	49.3	1	0.103	0.5	ng/wet g	50	0	99	60 - 140%	PASS			
PCB 158	Total	54.7	1	0.074	0.5	ng/wet g	50	0	109	60 - 140%	PASS			
PCB 167	Total	50.4	1	0.049	0.5	ng/wet g	50	0	101	60 - 140%	PASS			
PCB 169	Total	55.4	1	0.116	0.5	ng/wet g	50	0	111	60 - 140%	PASS			
PCB 170	Total	47.4	1	0.118	0.5	ng/wet g	50	0	95	60 - 140%	PASS			
PCB 174	Total	46.5	1	0.25	0.5	ng/wet g	50	0	93	60 - 140%	PASS			
PCB 177	Total	51	1	0.085	0.5	ng/wet g	50	0	102	60 - 140%	PASS			
PCB 180	Total	53.7	1	0.154	0.5	ng/wet g	50	0	107	60 - 140%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 183	Total	50.1	1	0.056	0.5	ng/wet g	50	0	100	60 - 140%	PASS			
PCB 187	Total	46.4	1	0.168	0.5	ng/wet g	50	0	93	60 - 140%	PASS			
PCB 189	Total	59.3	1	0.109	0.5	ng/wet g	50	0	119	60 - 140%	PASS			
PCB 194	Total	52	1	0.164	0.5	ng/wet g	50	0	104	60 - 140%	PASS			
PCB 195	Total	54.5	1	0.093	0.5	ng/wet g	50	0	109	60 - 140%	PASS			
PCB 199	Total	54.3	1	0.25	0.5	ng/wet g	50	0	109	60 - 140%	PASS			
PCB 201	Total	46.8	1	0.104	0.5	ng/wet g	50	0	94	60 - 140%	PASS			
PCB 203	Total	53.6	1	0.25	0.5	ng/wet g	50	0	107	60 - 140%	PASS			
PCB 206	Total	36.6	1	0.155	0.5	ng/wet g	50	0	73	60 - 140%	PASS			
PCB 209	Total	50.3	1	0.25	0.5	ng/wet g	50	0	101	60 - 140%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119142-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
		Method: EPA 8270E				Batch ID: O-49058		Prepared: 12-Jan-25				Analyzed: 15-Jan-25			
PCB 003	Total	28.5	1	0.25	0.5	ng/wet g	50	0	57	60 - 140%	FAIL	2	30	PASS	R
PCB 005	Total	32.5	1	0.25	0.5	ng/wet g	50	0	65	60 - 140%	PASS	13	30	PASS	
PCB 008	Total	30.3	1	0.017	0.5	ng/wet g	50	0	61	60 - 140%	PASS	14	30	PASS	
PCB 015	Total	34.8	1	0.25	0.5	ng/wet g	50	0	70	60 - 140%	PASS	4	30	PASS	
PCB 018	Total	39.6	1	0.029	0.5	ng/wet g	50	0	79	60 - 140%	PASS	1	30	PASS	
PCB 027	Total	27.8	1	0.25	0.5	ng/wet g	50	0	56	60 - 140%	FAIL	2	30	PASS	R
PCB 028	Total	39.1	1	0.023	0.5	ng/wet g	50	0	78	60 - 140%	PASS	9	30	PASS	
PCB 029	Total	49.7	1	0.25	0.5	ng/wet g	50	0	99	60 - 140%	PASS	2	30	PASS	
PCB 031	Total	41.4	1	0.25	0.5	ng/wet g	50	0	83	60 - 140%	PASS	6	30	PASS	
PCB 033	Total	43.2	1	0.25	0.5	ng/wet g	50	0	86	60 - 140%	PASS	5	30	PASS	
PCB 037	Total	37.3	1	0.06	0.5	ng/wet g	50	0	75	60 - 140%	PASS	6	30	PASS	
PCB 044	Total	46.6	1	0.028	0.5	ng/wet g	50	0	93	60 - 140%	PASS	0	30	PASS	
PCB 049	Total	47.5	1	0.036	0.5	ng/wet g	50	0	95	60 - 140%	PASS	2	30	PASS	
PCB 052	Total	45.9	1	0.012	0.5	ng/wet g	50	0	92	60 - 140%	PASS	5	30	PASS	
PCB 056/60	Total	93	1	0.25	0.5	ng/wet g	100	0	93	60 - 140%	PASS	4	30	PASS	
PCB 066	Total	47.4	1	0.027	0.5	ng/wet g	50	0	95	60 - 140%	PASS	3	30	PASS	
PCB 070	Total	50	1	0.023	0.5	ng/wet g	50	0	100	60 - 140%	PASS	3	30	PASS	
PCB 074	Total	47.9	1	0.021	0.5	ng/wet g	50	0	96	60 - 140%	PASS	3	30	PASS	
PCB 077	Total	42.2	1	0.018	0.5	ng/wet g	50	0	84	60 - 140%	PASS	2	30	PASS	
PCB 081	Total	46.1	1	0.084	0.5	ng/wet g	50	0	92	60 - 140%	PASS	1	30	PASS	
PCB 087	Total	48.5	1	0.081	0.5	ng/wet g	50	0	97	60 - 140%	PASS	2	30	PASS	
PCB 095	Total	42.2	1	0.25	0.5	ng/wet g	50	0	84	60 - 140%	PASS	7	30	PASS	
PCB 097	Total	47.3	1	0.25	0.5	ng/wet g	50	0	95	60 - 140%	PASS	7	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	45.6	1	0.028	0.5	ng/wet g	50	0	91	60 - 140%	PASS	2	30	PASS
PCB 101	Total	45.9	1	0.027	0.5	ng/wet g	50	0	92	60 - 140%	PASS	9	30	PASS
PCB 105	Total	42.8	1	0.047	0.5	ng/wet g	50	0	86	60 - 140%	PASS	7	30	PASS
PCB 110	Total	45	1	0.074	0.5	ng/wet g	50	0	90	60 - 140%	PASS	4	30	PASS
PCB 114	Total	47.5	1	0.072	0.5	ng/wet g	50	0	95	60 - 140%	PASS	5	30	PASS
PCB 118	Total	44.2	1	0.069	0.5	ng/wet g	50	0	88	60 - 140%	PASS	2	30	PASS
PCB 119	Total	46.3	1	0.071	0.5	ng/wet g	50	0	93	60 - 140%	PASS	2	30	PASS
PCB 123	Total	45.1	1	0.018	0.5	ng/wet g	50	0	90	60 - 140%	PASS	3	30	PASS
PCB 126	Total	46.9	1	0.086	0.5	ng/wet g	50	0	94	60 - 140%	PASS	4	30	PASS
PCB 128	Total	47	1	0.081	0.5	ng/wet g	50	0	94	60 - 140%	PASS	5	30	PASS
PCB 132/168	Total	94.7	1	0.094	0.5	ng/wet g	100	0	95	60 - 140%	PASS	2	30	PASS
PCB 137	Total	49	1	0.25	0.5	ng/wet g	50	0	98	60 - 140%	PASS	2	30	PASS
PCB 138	Total	46.4	1	0.057	0.5	ng/wet g	50	0	93	60 - 140%	PASS	6	30	PASS
PCB 141	Total	47.3	1	0.25	0.5	ng/wet g	50	0	95	60 - 140%	PASS	1	30	PASS
PCB 149	Total	41.7	1	0.092	0.5	ng/wet g	50	0	83	60 - 140%	PASS	2	30	PASS
PCB 151	Total	46.4	1	0.073	0.5	ng/wet g	50	0	93	60 - 140%	PASS	1	30	PASS
PCB 153	Total	43.6	1	0.065	0.5	ng/wet g	50	0	87	60 - 140%	PASS	14	30	PASS
PCB 156	Total	57.6	1	0.089	0.5	ng/wet g	50	0	115	60 - 140%	PASS	3	30	PASS
PCB 157	Total	45.6	1	0.103	0.5	ng/wet g	50	0	91	60 - 140%	PASS	8	30	PASS
PCB 158	Total	51.4	1	0.074	0.5	ng/wet g	50	0	103	60 - 140%	PASS	6	30	PASS
PCB 167	Total	49	1	0.049	0.5	ng/wet g	50	0	98	60 - 140%	PASS	3	30	PASS
PCB 169	Total	55.9	1	0.116	0.5	ng/wet g	50	0	112	60 - 140%	PASS	1	30	PASS
PCB 170	Total	45.3	1	0.118	0.5	ng/wet g	50	0	91	60 - 140%	PASS	4	30	PASS
PCB 174	Total	45.1	1	0.25	0.5	ng/wet g	50	0	90	60 - 140%	PASS	3	30	PASS
PCB 177	Total	53.8	1	0.085	0.5	ng/wet g	50	0	108	60 - 140%	PASS	6	30	PASS
PCB 180	Total	46.2	1	0.154	0.5	ng/wet g	50	0	92	60 - 140%	PASS	15	30	PASS

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
PCB 183	Total	47.4	1	0.056	0.5	ng/wet g	50	0	95	60 - 140%	PASS	5	30	PASS	
PCB 187	Total	43.2	1	0.168	0.5	ng/wet g	50	0	86	60 - 140%	PASS	8	30	PASS	
PCB 189	Total	60.3	1	0.109	0.5	ng/wet g	50	0	121	60 - 140%	PASS	2	30	PASS	
PCB 194	Total	50.4	1	0.164	0.5	ng/wet g	50	0	101	60 - 140%	PASS	3	30	PASS	
PCB 195	Total	49.2	1	0.093	0.5	ng/wet g	50	0	98	60 - 140%	PASS	11	30	PASS	
PCB 199	Total	57.4	1	0.25	0.5	ng/wet g	50	0	115	60 - 140%	PASS	5	30	PASS	
PCB 201	Total	45.8	1	0.104	0.5	ng/wet g	50	0	92	60 - 140%	PASS	2	30	PASS	
PCB 203	Total	53.2	1	0.25	0.5	ng/wet g	50	0	106	60 - 140%	PASS	1	30	PASS	
PCB 206	Total	43.2	1	0.155	0.5	ng/wet g	50	0	86	60 - 140%	PASS	16	30	PASS	
PCB 209	Total	53	1	0.25	0.5	ng/wet g	50	0	106	60 - 140%	PASS	5	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119143-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: EPA 8270E					Batch ID: O-49060	Prepared: 13-Jan-25					Analyzed: 16-Jan-25	
PCB 003	Total	ND	1	0.25	0.5	ng/wet g							
PCB 005	Total	ND	1	0.25	0.5	ng/wet g							
PCB 008	Total	ND	1	0.017	0.5	ng/wet g							
PCB 015	Total	ND	1	0.25	0.5	ng/wet g							
PCB 018	Total	ND	1	0.029	0.5	ng/wet g							
PCB 027	Total	ND	1	0.25	0.5	ng/wet g							
PCB 028	Total	ND	1	0.023	0.5	ng/wet g							
PCB 029	Total	ND	1	0.25	0.5	ng/wet g							
PCB 031	Total	ND	1	0.25	0.5	ng/wet g							
PCB 033	Total	ND	1	0.25	0.5	ng/wet g							
PCB 037	Total	ND	1	0.06	0.5	ng/wet g							
PCB 044	Total	ND	1	0.028	0.5	ng/wet g							
PCB 049	Total	ND	1	0.036	0.5	ng/wet g							
PCB 052	Total	ND	1	0.012	0.5	ng/wet g							
PCB 056/60	Total	ND	1	0.25	0.5	ng/wet g							
PCB 066	Total	ND	1	0.027	0.5	ng/wet g							
PCB 070	Total	ND	1	0.023	0.5	ng/wet g							
PCB 074	Total	ND	1	0.021	0.5	ng/wet g							
PCB 077	Total	ND	1	0.018	0.5	ng/wet g							
PCB 081	Total	ND	1	0.084	0.5	ng/wet g							
PCB 087	Total	ND	1	0.081	0.5	ng/wet g							
PCB 095	Total	ND	1	0.25	0.5	ng/wet g							
PCB 097	Total	ND	1	0.25	0.5	ng/wet g							

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	ND	1	0.028	0.5	ng/wet g							
PCB 101	Total	ND	1	0.027	0.5	ng/wet g							
PCB 105	Total	ND	1	0.047	0.5	ng/wet g							
PCB 110	Total	ND	1	0.074	0.5	ng/wet g							
PCB 114	Total	ND	1	0.072	0.5	ng/wet g							
PCB 118	Total	ND	1	0.069	0.5	ng/wet g							
PCB 119	Total	ND	1	0.071	0.5	ng/wet g							
PCB 123	Total	ND	1	0.018	0.5	ng/wet g							
PCB 126	Total	ND	1	0.086	0.5	ng/wet g							
PCB 128	Total	ND	1	0.081	0.5	ng/wet g							
PCB 132/168	Total	ND	1	0.094	0.5	ng/wet g							
PCB 137	Total	ND	1	0.25	0.5	ng/wet g							
PCB 138	Total	ND	1	0.057	0.5	ng/wet g							
PCB 141	Total	ND	1	0.25	0.5	ng/wet g							
PCB 149	Total	ND	1	0.092	0.5	ng/wet g							
PCB 151	Total	ND	1	0.073	0.5	ng/wet g							
PCB 153	Total	ND	1	0.065	0.5	ng/wet g							
PCB 156	Total	ND	1	0.089	0.5	ng/wet g							
PCB 157	Total	ND	1	0.103	0.5	ng/wet g							
PCB 158	Total	ND	1	0.074	0.5	ng/wet g							
PCB 167	Total	ND	1	0.049	0.5	ng/wet g							
PCB 169	Total	ND	1	0.116	0.5	ng/wet g							
PCB 170	Total	ND	1	0.118	0.5	ng/wet g							
PCB 174	Total	ND	1	0.25	0.5	ng/wet g							
PCB 177	Total	ND	1	0.085	0.5	ng/wet g							
PCB 180	Total	ND	1	0.154	0.5	ng/wet g							

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
PCB 183	Total	ND	1	0.056	0.5	ng/wet g							
PCB 187	Total	ND	1	0.168	0.5	ng/wet g							
PCB 189	Total	ND	1	0.109	0.5	ng/wet g							
PCB 194	Total	ND	1	0.164	0.5	ng/wet g							
PCB 195	Total	ND	1	0.093	0.5	ng/wet g							
PCB 199	Total	ND	1	0.25	0.5	ng/wet g							
PCB 201	Total	ND	1	0.104	0.5	ng/wet g							
PCB 203	Total	ND	1	0.25	0.5	ng/wet g							
PCB 206	Total	ND	1	0.155	0.5	ng/wet g							
PCB 209	Total	ND	1	0.25	0.5	ng/wet g							

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119143-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: EPA 8270E					Batch ID: O-49060			Prepared: 13-Jan-25			Analyzed: 16-Jan-25	
PCB 003	Total	39.3	1	0.25	0.5	ng/wet g	50	0	79	60 - 140%		PASS	
PCB 005	Total	38.3	1	0.25	0.5	ng/wet g	50	0	77	60 - 140%		PASS	
PCB 008	Total	32.5	1	0.017	0.5	ng/wet g	50	0	65	60 - 140%		PASS	
PCB 015	Total	59	1	0.25	0.5	ng/wet g	50	0	118	60 - 140%		PASS	
PCB 018	Total	35.9	1	0.029	0.5	ng/wet g	50	0	72	60 - 140%		PASS	
PCB 027	Total	34.7	1	0.25	0.5	ng/wet g	50	0	69	60 - 140%		PASS	
PCB 028	Total	38.1	1	0.023	0.5	ng/wet g	50	0	76	60 - 140%		PASS	
PCB 029	Total	37.4	1	0.25	0.5	ng/wet g	50	0	75	60 - 140%		PASS	
PCB 031	Total	35.1	1	0.25	0.5	ng/wet g	50	0	70	60 - 140%		PASS	
PCB 033	Total	39.7	1	0.25	0.5	ng/wet g	50	0	79	60 - 140%		PASS	
PCB 037	Total	40.4	1	0.06	0.5	ng/wet g	50	0	81	60 - 140%		PASS	
PCB 044	Total	36	1	0.028	0.5	ng/wet g	50	0	72	60 - 140%		PASS	
PCB 049	Total	37.1	1	0.036	0.5	ng/wet g	50	0	74	60 - 140%		PASS	
PCB 052	Total	37.5	1	0.012	0.5	ng/wet g	50	0	75	60 - 140%		PASS	
PCB 056/60	Total	73.1	1	0.25	0.5	ng/wet g	100	0	73	60 - 140%		PASS	
PCB 066	Total	41.2	1	0.027	0.5	ng/wet g	50	0	82	60 - 140%		PASS	
PCB 070	Total	38.1	1	0.023	0.5	ng/wet g	50	0	76	60 - 140%		PASS	
PCB 074	Total	41.3	1	0.021	0.5	ng/wet g	50	0	83	60 - 140%		PASS	
PCB 077	Total	50.6	1	0.018	0.5	ng/wet g	50	0	101	60 - 140%		PASS	
PCB 081	Total	51.1	1	0.084	0.5	ng/wet g	50	0	102	60 - 140%		PASS	
PCB 087	Total	39.5	1	0.081	0.5	ng/wet g	50	0	79	60 - 140%		PASS	
PCB 095	Total	37.2	1	0.25	0.5	ng/wet g	50	0	74	60 - 140%		PASS	
PCB 097	Total	37.9	1	0.25	0.5	ng/wet g	50	0	76	60 - 140%		PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	36.9	1	0.028	0.5	ng/wet g	50	0	74	60 - 140%	PASS			
PCB 101	Total	38.1	1	0.027	0.5	ng/wet g	50	0	76	60 - 140%	PASS			
PCB 105	Total	51.8	1	0.047	0.5	ng/wet g	50	0	104	60 - 140%	PASS			
PCB 110	Total	37	1	0.074	0.5	ng/wet g	50	0	74	60 - 140%	PASS			
PCB 114	Total	46.1	1	0.072	0.5	ng/wet g	50	0	92	60 - 140%	PASS			
PCB 118	Total	40.5	1	0.069	0.5	ng/wet g	50	0	81	60 - 140%	PASS			
PCB 119	Total	32.6	1	0.071	0.5	ng/wet g	50	0	65	60 - 140%	PASS			
PCB 123	Total	42.4	1	0.018	0.5	ng/wet g	50	0	85	60 - 140%	PASS			
PCB 126	Total	38.2	1	0.086	0.5	ng/wet g	50	0	76	60 - 140%	PASS			
PCB 128	Total	64.1	1	0.081	0.5	ng/wet g	50	0	128	60 - 140%	PASS			
PCB 132/168	Total	101	1	0.094	0.5	ng/wet g	100	0	101	60 - 140%	PASS			
PCB 137	Total	54.1	1	0.25	0.5	ng/wet g	50	0	108	60 - 140%	PASS			
PCB 138	Total	57	1	0.057	0.5	ng/wet g	50	0	114	60 - 140%	PASS			
PCB 141	Total	52.1	1	0.25	0.5	ng/wet g	50	0	104	60 - 140%	PASS			
PCB 149	Total	36.8	1	0.092	0.5	ng/wet g	50	0	74	60 - 140%	PASS			
PCB 151	Total	40.3	1	0.073	0.5	ng/wet g	50	0	81	60 - 140%	PASS			
PCB 153	Total	54.6	1	0.065	0.5	ng/wet g	50	0	109	60 - 140%	PASS			
PCB 156	Total	39.5	1	0.089	0.5	ng/wet g	50	0	79	60 - 140%	PASS			
PCB 157	Total	63.2	1	0.103	0.5	ng/wet g	50	0	126	60 - 140%	PASS			
PCB 158	Total	55.8	1	0.074	0.5	ng/wet g	50	0	112	60 - 140%	PASS			
PCB 167	Total	68.2	1	0.049	0.5	ng/wet g	50	0	136	60 - 140%	PASS			
PCB 169	Total	43.8	1	0.116	0.5	ng/wet g	50	0	88	60 - 140%	PASS			
PCB 170	Total	64.3	1	0.118	0.5	ng/wet g	50	0	129	60 - 140%	PASS			
PCB 174	Total	57.1	1	0.25	0.5	ng/wet g	50	0	114	60 - 140%	PASS			
PCB 177	Total	64.4	1	0.085	0.5	ng/wet g	50	0	129	60 - 140%	PASS			
PCB 180	Total	37.4	1	0.154	0.5	ng/wet g	50	0	75	60 - 140%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 183	Total	53.3	1	0.056	0.5	ng/wet g	50	0	107	60 - 140%	PASS			
PCB 187	Total	57.2	1	0.168	0.5	ng/wet g	50	0	114	60 - 140%	PASS			
PCB 189	Total	40.9	1	0.109	0.5	ng/wet g	50	0	82	60 - 140%	PASS			
PCB 194	Total	41.9	1	0.164	0.5	ng/wet g	50	0	84	60 - 140%	PASS			
PCB 195	Total	38.2	1	0.093	0.5	ng/wet g	50	0	76	60 - 140%	PASS			
PCB 199	Total	60.7	1	0.25	0.5	ng/wet g	50	0	121	60 - 140%	PASS			
PCB 201	Total	55.8	1	0.104	0.5	ng/wet g	50	0	112	60 - 140%	PASS			
PCB 203	Total	63.5	1	0.25	0.5	ng/wet g	50	0	127	60 - 140%	PASS			
PCB 206	Total	43.5	1	0.155	0.5	ng/wet g	50	0	87	60 - 140%	PASS			
PCB 209	Total	40.4	1	0.25	0.5	ng/wet g	50	0	81	60 - 140%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119143-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
		Method: EPA 8270E				Batch ID: O-49060		Prepared: 13-Jan-25					Analyzed: 17-Jan-25		
PCB 003	Total	42.6	1	0.25	0.5	ng/wet g	50	0	85	60 - 140%	PASS	7	30	PASS	
PCB 005	Total	39	1	0.25	0.5	ng/wet g	50	0	78	60 - 140%	PASS	1	30	PASS	
PCB 008	Total	39.3	1	0.017	0.5	ng/wet g	50	0	78	60 - 140%	PASS	18	30	PASS	
PCB 015	Total	60.4	1	0.25	0.5	ng/wet g	50	0	121	60 - 140%	PASS	3	30	PASS	
PCB 018	Total	36	1	0.029	0.5	ng/wet g	50	0	72	60 - 140%	PASS	0	30	PASS	
PCB 027	Total	37	1	0.25	0.5	ng/wet g	50	0	74	60 - 140%	PASS	7	30	PASS	
PCB 028	Total	39.4	1	0.023	0.5	ng/wet g	50	0	78	60 - 140%	PASS	3	30	PASS	
PCB 029	Total	40.1	1	0.25	0.5	ng/wet g	50	0	80	60 - 140%	PASS	6	30	PASS	
PCB 031	Total	39.2	1	0.25	0.5	ng/wet g	50	0	78	60 - 140%	PASS	11	30	PASS	
PCB 033	Total	40.5	1	0.25	0.5	ng/wet g	50	0	81	60 - 140%	PASS	2	30	PASS	
PCB 037	Total	42.7	1	0.06	0.5	ng/wet g	50	0	85	60 - 140%	PASS	5	30	PASS	
PCB 044	Total	38.6	1	0.028	0.5	ng/wet g	50	0	77	60 - 140%	PASS	7	30	PASS	
PCB 049	Total	39.2	1	0.036	0.5	ng/wet g	50	0	78	60 - 140%	PASS	5	30	PASS	
PCB 052	Total	40	1	0.012	0.5	ng/wet g	50	0	80	60 - 140%	PASS	6	30	PASS	
PCB 056/60	Total	77.8	1	0.25	0.5	ng/wet g	100	0	78	60 - 140%	PASS	7	30	PASS	
PCB 066	Total	44.9	1	0.027	0.5	ng/wet g	50	0	90	60 - 140%	PASS	9	30	PASS	
PCB 070	Total	42.5	1	0.023	0.5	ng/wet g	50	0	85	60 - 140%	PASS	11	30	PASS	
PCB 074	Total	44.6	1	0.021	0.5	ng/wet g	50	0	89	60 - 140%	PASS	7	30	PASS	
PCB 077	Total	52.7	1	0.018	0.5	ng/wet g	50	0	105	60 - 140%	PASS	4	30	PASS	
PCB 081	Total	49.1	1	0.084	0.5	ng/wet g	50	0	98	60 - 140%	PASS	4	30	PASS	
PCB 087	Total	41.4	1	0.081	0.5	ng/wet g	50	0	83	60 - 140%	PASS	5	30	PASS	
PCB 095	Total	38.2	1	0.25	0.5	ng/wet g	50	0	76	60 - 140%	PASS	3	30	PASS	
PCB 097	Total	43.7	1	0.25	0.5	ng/wet g	50	0	87	60 - 140%	PASS	13	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
PCB 099	Total	41.2	1	0.028	0.5	ng/wet g	50	0	82	60 - 140%	PASS	10	30	PASS	
PCB 101	Total	40.7	1	0.027	0.5	ng/wet g	50	0	81	60 - 140%	PASS	6	30	PASS	
PCB 105	Total	58.4	1	0.047	0.5	ng/wet g	50	0	117	60 - 140%	PASS	12	30	PASS	
PCB 110	Total	39.6	1	0.074	0.5	ng/wet g	50	0	79	60 - 140%	PASS	7	30	PASS	
PCB 114	Total	48.9	1	0.072	0.5	ng/wet g	50	0	98	60 - 140%	PASS	6	30	PASS	
PCB 118	Total	43.4	1	0.069	0.5	ng/wet g	50	0	87	60 - 140%	PASS	7	30	PASS	
PCB 119	Total	36.8	1	0.071	0.5	ng/wet g	50	0	74	60 - 140%	PASS	13	30	PASS	
PCB 123	Total	46.9	1	0.018	0.5	ng/wet g	50	0	94	60 - 140%	PASS	10	30	PASS	
PCB 126	Total	40.1	1	0.086	0.5	ng/wet g	50	0	80	60 - 140%	PASS	5	30	PASS	
PCB 128	Total	76.7	1	0.081	0.5	ng/wet g	50	0	153	60 - 140%	FAIL	18	30	PASS	R
PCB 132/168	Total	109	1	0.094	0.5	ng/wet g	100	0	109	60 - 140%	PASS	8	30	PASS	
PCB 137	Total	58.4	1	0.25	0.5	ng/wet g	50	0	117	60 - 140%	PASS	8	30	PASS	
PCB 138	Total	58.5	1	0.057	0.5	ng/wet g	50	0	117	60 - 140%	PASS	3	30	PASS	
PCB 141	Total	55.1	1	0.25	0.5	ng/wet g	50	0	110	60 - 140%	PASS	6	30	PASS	
PCB 149	Total	38.3	1	0.092	0.5	ng/wet g	50	0	77	60 - 140%	PASS	4	30	PASS	
PCB 151	Total	42.7	1	0.073	0.5	ng/wet g	50	0	85	60 - 140%	PASS	5	30	PASS	
PCB 153	Total	55.7	1	0.065	0.5	ng/wet g	50	0	111	60 - 140%	PASS	2	30	PASS	
PCB 156	Total	42.5	1	0.089	0.5	ng/wet g	50	0	85	60 - 140%	PASS	7	30	PASS	
PCB 157	Total	65	1	0.103	0.5	ng/wet g	50	0	130	60 - 140%	PASS	3	30	PASS	
PCB 158	Total	62.3	1	0.074	0.5	ng/wet g	50	0	125	60 - 140%	PASS	11	30	PASS	
PCB 167	Total	65.8	1	0.049	0.5	ng/wet g	50	0	132	60 - 140%	PASS	3	30	PASS	
PCB 169	Total	47.7	1	0.116	0.5	ng/wet g	50	0	95	60 - 140%	PASS	8	30	PASS	
PCB 170	Total	64.1	1	0.118	0.5	ng/wet g	50	0	128	60 - 140%	PASS	1	30	PASS	
PCB 174	Total	61.6	1	0.25	0.5	ng/wet g	50	0	123	60 - 140%	PASS	8	30	PASS	
PCB 177	Total	69.8	1	0.085	0.5	ng/wet g	50	0	140	60 - 140%	PASS	8	30	PASS	
PCB 180	Total	37.8	1	0.154	0.5	ng/wet g	50	0	76	60 - 140%	PASS	1	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
PCB 183	Total	60.5	1	0.056	0.5	ng/wet g	50	0	121	60 - 140%	PASS	12	30	PASS	
PCB 187	Total	62.3	1	0.168	0.5	ng/wet g	50	0	125	60 - 140%	PASS	9	30	PASS	
PCB 189	Total	43.9	1	0.109	0.5	ng/wet g	50	0	88	60 - 140%	PASS	7	30	PASS	
PCB 194	Total	37.2	1	0.164	0.5	ng/wet g	50	0	74	60 - 140%	PASS	13	30	PASS	
PCB 195	Total	39.8	1	0.093	0.5	ng/wet g	50	0	80	60 - 140%	PASS	5	30	PASS	
PCB 199	Total	62.4	1	0.25	0.5	ng/wet g	50	0	125	60 - 140%	PASS	3	30	PASS	
PCB 201	Total	53.4	1	0.104	0.5	ng/wet g	50	0	107	60 - 140%	PASS	5	30	PASS	
PCB 203	Total	63.2	1	0.25	0.5	ng/wet g	50	0	126	60 - 140%	PASS	1	30	PASS	
PCB 206	Total	45.7	1	0.155	0.5	ng/wet g	50	0	91	60 - 140%	PASS	4	30	PASS	
PCB 209	Total	39.8	1	0.25	0.5	ng/wet g	50	0	80	60 - 140%	PASS	1	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119144-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: EPA 8270E					Batch ID: O-49062	Prepared: 14-Jan-25					Analyzed: 18-Jan-25	
PCB 003	Total	ND	1	0.25	0.5	ng/wet g							
PCB 005	Total	ND	1	0.25	0.5	ng/wet g							
PCB 008	Total	ND	1	0.017	0.5	ng/wet g							
PCB 015	Total	ND	1	0.25	0.5	ng/wet g							
PCB 018	Total	ND	1	0.029	0.5	ng/wet g							
PCB 027	Total	ND	1	0.25	0.5	ng/wet g							
PCB 028	Total	ND	1	0.023	0.5	ng/wet g							
PCB 029	Total	ND	1	0.25	0.5	ng/wet g							
PCB 031	Total	ND	1	0.25	0.5	ng/wet g							
PCB 033	Total	ND	1	0.25	0.5	ng/wet g							
PCB 037	Total	ND	1	0.06	0.5	ng/wet g							
PCB 044	Total	ND	1	0.028	0.5	ng/wet g							
PCB 049	Total	ND	1	0.036	0.5	ng/wet g							
PCB 052	Total	ND	1	0.012	0.5	ng/wet g							
PCB 056/60	Total	ND	1	0.25	0.5	ng/wet g							
PCB 066	Total	ND	1	0.027	0.5	ng/wet g							
PCB 070	Total	ND	1	0.023	0.5	ng/wet g							
PCB 074	Total	ND	1	0.021	0.5	ng/wet g							
PCB 077	Total	ND	1	0.018	0.5	ng/wet g							
PCB 081	Total	ND	1	0.084	0.5	ng/wet g							
PCB 087	Total	ND	1	0.081	0.5	ng/wet g							
PCB 095	Total	ND	1	0.25	0.5	ng/wet g							
PCB 097	Total	ND	1	0.25	0.5	ng/wet g							

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	ND	1	0.028	0.5	ng/wet g							
PCB 101	Total	ND	1	0.027	0.5	ng/wet g							
PCB 105	Total	ND	1	0.047	0.5	ng/wet g							
PCB 110	Total	ND	1	0.074	0.5	ng/wet g							
PCB 114	Total	ND	1	0.072	0.5	ng/wet g							
PCB 118	Total	ND	1	0.069	0.5	ng/wet g							
PCB 119	Total	ND	1	0.071	0.5	ng/wet g							
PCB 123	Total	ND	1	0.018	0.5	ng/wet g							
PCB 126	Total	ND	1	0.086	0.5	ng/wet g							
PCB 128	Total	ND	1	0.081	0.5	ng/wet g							
PCB 132/168	Total	ND	1	0.094	0.5	ng/wet g							
PCB 137	Total	ND	1	0.25	0.5	ng/wet g							
PCB 138	Total	ND	1	0.057	0.5	ng/wet g							
PCB 141	Total	ND	1	0.25	0.5	ng/wet g							
PCB 149	Total	ND	1	0.092	0.5	ng/wet g							
PCB 151	Total	ND	1	0.073	0.5	ng/wet g							
PCB 153	Total	ND	1	0.065	0.5	ng/wet g							
PCB 156	Total	ND	1	0.089	0.5	ng/wet g							
PCB 157	Total	ND	1	0.103	0.5	ng/wet g							
PCB 158	Total	ND	1	0.074	0.5	ng/wet g							
PCB 167	Total	ND	1	0.049	0.5	ng/wet g							
PCB 169	Total	ND	1	0.116	0.5	ng/wet g							
PCB 170	Total	ND	1	0.118	0.5	ng/wet g							
PCB 174	Total	ND	1	0.25	0.5	ng/wet g							
PCB 177	Total	ND	1	0.085	0.5	ng/wet g							
PCB 180	Total	ND	1	0.154	0.5	ng/wet g							

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
PCB 183	Total	ND	1	0.056	0.5	ng/wet g							
PCB 187	Total	ND	1	0.168	0.5	ng/wet g							
PCB 189	Total	ND	1	0.109	0.5	ng/wet g							
PCB 194	Total	ND	1	0.164	0.5	ng/wet g							
PCB 195	Total	ND	1	0.093	0.5	ng/wet g							
PCB 199	Total	ND	1	0.25	0.5	ng/wet g							
PCB 201	Total	ND	1	0.104	0.5	ng/wet g							
PCB 203	Total	ND	1	0.25	0.5	ng/wet g							
PCB 206	Total	ND	1	0.155	0.5	ng/wet g							
PCB 209	Total	ND	1	0.25	0.5	ng/wet g							

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119144-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**				**Received:**	
	Method: EPA 8270E					Batch ID: O-49062		Prepared: 14-Jan-25				Analyzed: 18-Jan-25	
PCB 003	Total	20	1	0.25	0.5	ng/wet g	50	0	40	60 - 140%	FAIL		R
PCB 005	Total	35.1	1	0.25	0.5	ng/wet g	50	0	70	60 - 140%	PASS		
PCB 008	Total	56.6	1	0.017	0.5	ng/wet g	50	0	113	60 - 140%	PASS		
PCB 015	Total	43.9	1	0.25	0.5	ng/wet g	50	0	88	60 - 140%	PASS		
PCB 018	Total	33.1	1	0.029	0.5	ng/wet g	50	0	66	60 - 140%	PASS		
PCB 027	Total	37.5	1	0.25	0.5	ng/wet g	50	0	75	60 - 140%	PASS		
PCB 028	Total	41.1	1	0.023	0.5	ng/wet g	50	0	82	60 - 140%	PASS		
PCB 029	Total	33.7	1	0.25	0.5	ng/wet g	50	0	67	60 - 140%	PASS		
PCB 031	Total	44	1	0.25	0.5	ng/wet g	50	0	88	60 - 140%	PASS		
PCB 033	Total	42.2	1	0.25	0.5	ng/wet g	50	0	84	60 - 140%	PASS		
PCB 037	Total	43.5	1	0.06	0.5	ng/wet g	50	0	87	60 - 140%	PASS		
PCB 044	Total	44.2	1	0.028	0.5	ng/wet g	50	0	88	60 - 140%	PASS		
PCB 049	Total	36.6	1	0.036	0.5	ng/wet g	50	0	73	60 - 140%	PASS		
PCB 052	Total	42.6	1	0.012	0.5	ng/wet g	50	0	85	60 - 140%	PASS		
PCB 056/60	Total	77.5	1	0.25	0.5	ng/wet g	100	0	77	60 - 140%	PASS		
PCB 066	Total	40.6	1	0.027	0.5	ng/wet g	50	0	81	60 - 140%	PASS		
PCB 070	Total	40.1	1	0.023	0.5	ng/wet g	50	0	80	60 - 140%	PASS		
PCB 074	Total	41.9	1	0.021	0.5	ng/wet g	50	0	84	60 - 140%	PASS		
PCB 077	Total	38.6	1	0.018	0.5	ng/wet g	50	0	77	60 - 140%	PASS		
PCB 081	Total	39.1	1	0.084	0.5	ng/wet g	50	0	78	60 - 140%	PASS		
PCB 087	Total	39.9	1	0.081	0.5	ng/wet g	50	0	80	60 - 140%	PASS		
PCB 095	Total	39.3	1	0.25	0.5	ng/wet g	50	0	79	60 - 140%	PASS		
PCB 097	Total	46.4	1	0.25	0.5	ng/wet g	50	0	93	60 - 140%	PASS		

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	43.5	1	0.028	0.5	ng/wet g	50	0	87	60 - 140%	PASS			
PCB 101	Total	43.2	1	0.027	0.5	ng/wet g	50	0	86	60 - 140%	PASS			
PCB 105	Total	43.8	1	0.047	0.5	ng/wet g	50	0	88	60 - 140%	PASS			
PCB 110	Total	46.2	1	0.074	0.5	ng/wet g	50	0	92	60 - 140%	PASS			
PCB 114	Total	40.2	1	0.072	0.5	ng/wet g	50	0	80	60 - 140%	PASS			
PCB 118	Total	40.8	1	0.069	0.5	ng/wet g	50	0	82	60 - 140%	PASS			
PCB 119	Total	45.1	1	0.071	0.5	ng/wet g	50	0	90	60 - 140%	PASS			
PCB 123	Total	37.9	1	0.018	0.5	ng/wet g	50	0	76	60 - 140%	PASS			
PCB 126	Total	44.1	1	0.086	0.5	ng/wet g	50	0	88	60 - 140%	PASS			
PCB 128	Total	47.5	1	0.081	0.5	ng/wet g	50	0	95	60 - 140%	PASS			
PCB 132/168	Total	91.7	1	0.094	0.5	ng/wet g	100	0	92	60 - 140%	PASS			
PCB 137	Total	55.3	1	0.25	0.5	ng/wet g	50	0	111	60 - 140%	PASS			
PCB 138	Total	54.2	1	0.057	0.5	ng/wet g	50	0	108	60 - 140%	PASS			
PCB 141	Total	46.3	1	0.25	0.5	ng/wet g	50	0	93	60 - 140%	PASS			
PCB 149	Total	35.4	1	0.092	0.5	ng/wet g	50	0	71	60 - 140%	PASS			
PCB 151	Total	41.3	1	0.073	0.5	ng/wet g	50	0	83	60 - 140%	PASS			
PCB 153	Total	35.2	1	0.065	0.5	ng/wet g	50	0	70	60 - 140%	PASS			
PCB 156	Total	47.5	1	0.089	0.5	ng/wet g	50	0	95	60 - 140%	PASS			
PCB 157	Total	40	1	0.103	0.5	ng/wet g	50	0	80	60 - 140%	PASS			
PCB 158	Total	44.6	1	0.074	0.5	ng/wet g	50	0	89	60 - 140%	PASS			
PCB 167	Total	43	1	0.049	0.5	ng/wet g	50	0	86	60 - 140%	PASS			
PCB 169	Total	45.2	1	0.116	0.5	ng/wet g	50	0	90	60 - 140%	PASS			
PCB 170	Total	47.5	1	0.118	0.5	ng/wet g	50	0	95	60 - 140%	PASS			
PCB 174	Total	39	1	0.25	0.5	ng/wet g	50	0	78	60 - 140%	PASS			
PCB 177	Total	39.2	1	0.085	0.5	ng/wet g	50	0	78	60 - 140%	PASS			
PCB 180	Total	47.3	1	0.154	0.5	ng/wet g	50	0	95	60 - 140%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 183	Total	46.4	1	0.056	0.5	ng/wet g	50	0	93	60 - 140%	PASS			
PCB 187	Total	42.9	1	0.168	0.5	ng/wet g	50	0	86	60 - 140%	PASS			
PCB 189	Total	50.2	1	0.109	0.5	ng/wet g	50	0	100	60 - 140%	PASS			
PCB 194	Total	43.4	1	0.164	0.5	ng/wet g	50	0	87	60 - 140%	PASS			
PCB 195	Total	53.6	1	0.093	0.5	ng/wet g	50	0	107	60 - 140%	PASS			
PCB 199	Total	42.2	1	0.25	0.5	ng/wet g	50	0	84	60 - 140%	PASS			
PCB 201	Total	44.3	1	0.104	0.5	ng/wet g	50	0	89	60 - 140%	PASS			
PCB 203	Total	54.7	1	0.25	0.5	ng/wet g	50	0	109	60 - 140%	PASS			
PCB 206	Total	45.4	1	0.155	0.5	ng/wet g	50	0	91	60 - 140%	PASS			
PCB 209	Total	54.3	1	0.25	0.5	ng/wet g	50	0	109	60 - 140%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119144-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
		Method: EPA 8270E				Batch ID: O-49062		Prepared: 14-Jan-25					Analyzed: 18-Jan-25		
PCB 003	Total	33.1	1	0.25	0.5	ng/wet g	50	0	66	60 - 140%	PASS	49	30	FAIL	R
PCB 005	Total	34.4	1	0.25	0.5	ng/wet g	50	0	69	60 - 140%	PASS	1	30	PASS	
PCB 008	Total	44.7	1	0.017	0.5	ng/wet g	50	0	89	60 - 140%	PASS	24	30	PASS	
PCB 015	Total	37.8	1	0.25	0.5	ng/wet g	50	0	76	60 - 140%	PASS	15	30	PASS	
PCB 018	Total	36.1	1	0.029	0.5	ng/wet g	50	0	72	60 - 140%	PASS	9	30	PASS	
PCB 027	Total	33.5	1	0.25	0.5	ng/wet g	50	0	67	60 - 140%	PASS	11	30	PASS	
PCB 028	Total	35	1	0.023	0.5	ng/wet g	50	0	70	60 - 140%	PASS	16	30	PASS	
PCB 029	Total	35.1	1	0.25	0.5	ng/wet g	50	0	70	60 - 140%	PASS	4	30	PASS	
PCB 031	Total	39.5	1	0.25	0.5	ng/wet g	50	0	79	60 - 140%	PASS	11	30	PASS	
PCB 033	Total	36.2	1	0.25	0.5	ng/wet g	50	0	72	60 - 140%	PASS	15	30	PASS	
PCB 037	Total	40.8	1	0.06	0.5	ng/wet g	50	0	82	60 - 140%	PASS	6	30	PASS	
PCB 044	Total	38.7	1	0.028	0.5	ng/wet g	50	0	77	60 - 140%	PASS	13	30	PASS	
PCB 049	Total	38.7	1	0.036	0.5	ng/wet g	50	0	77	60 - 140%	PASS	5	30	PASS	
PCB 052	Total	38.8	1	0.012	0.5	ng/wet g	50	0	78	60 - 140%	PASS	9	30	PASS	
PCB 056/60	Total	80.7	1	0.25	0.5	ng/wet g	100	0	81	60 - 140%	PASS	5	30	PASS	
PCB 066	Total	41.9	1	0.027	0.5	ng/wet g	50	0	84	60 - 140%	PASS	4	30	PASS	
PCB 070	Total	39.9	1	0.023	0.5	ng/wet g	50	0	80	60 - 140%	PASS	0	30	PASS	
PCB 074	Total	39.8	1	0.021	0.5	ng/wet g	50	0	80	60 - 140%	PASS	5	30	PASS	
PCB 077	Total	42.2	1	0.018	0.5	ng/wet g	50	0	84	60 - 140%	PASS	9	30	PASS	
PCB 081	Total	42.2	1	0.084	0.5	ng/wet g	50	0	84	60 - 140%	PASS	7	30	PASS	
PCB 087	Total	44.8	1	0.081	0.5	ng/wet g	50	0	90	60 - 140%	PASS	12	30	PASS	
PCB 095	Total	41.1	1	0.25	0.5	ng/wet g	50	0	82	60 - 140%	PASS	4	30	PASS	
PCB 097	Total	42.3	1	0.25	0.5	ng/wet g	50	0	85	60 - 140%	PASS	9	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	41.7	1	0.028	0.5	ng/wet g	50	0	83	60 - 140%	PASS	5	30	PASS
PCB 101	Total	37.6	1	0.027	0.5	ng/wet g	50	0	75	60 - 140%	PASS	14	30	PASS
PCB 105	Total	50.6	1	0.047	0.5	ng/wet g	50	0	101	60 - 140%	PASS	14	30	PASS
PCB 110	Total	40	1	0.074	0.5	ng/wet g	50	0	80	60 - 140%	PASS	14	30	PASS
PCB 114	Total	38.2	1	0.072	0.5	ng/wet g	50	0	76	60 - 140%	PASS	5	30	PASS
PCB 118	Total	42	1	0.069	0.5	ng/wet g	50	0	84	60 - 140%	PASS	2	30	PASS
PCB 119	Total	39.4	1	0.071	0.5	ng/wet g	50	0	79	60 - 140%	PASS	13	30	PASS
PCB 123	Total	42.8	1	0.018	0.5	ng/wet g	50	0	86	60 - 140%	PASS	12	30	PASS
PCB 126	Total	49.1	1	0.086	0.5	ng/wet g	50	0	98	60 - 140%	PASS	11	30	PASS
PCB 128	Total	58.9	1	0.081	0.5	ng/wet g	50	0	118	60 - 140%	PASS	22	30	PASS
PCB 132/168	Total	100	1	0.094	0.5	ng/wet g	100	0	100	60 - 140%	PASS	8	30	PASS
PCB 137	Total	57	1	0.25	0.5	ng/wet g	50	0	114	60 - 140%	PASS	3	30	PASS
PCB 138	Total	58.1	1	0.057	0.5	ng/wet g	50	0	116	60 - 140%	PASS	7	30	PASS
PCB 141	Total	50.3	1	0.25	0.5	ng/wet g	50	0	101	60 - 140%	PASS	8	30	PASS
PCB 149	Total	36.3	1	0.092	0.5	ng/wet g	50	0	73	60 - 140%	PASS	3	30	PASS
PCB 151	Total	39.5	1	0.073	0.5	ng/wet g	50	0	79	60 - 140%	PASS	5	30	PASS
PCB 153	Total	47.2	1	0.065	0.5	ng/wet g	50	0	94	60 - 140%	PASS	29	30	PASS
PCB 156	Total	44.3	1	0.089	0.5	ng/wet g	50	0	89	60 - 140%	PASS	7	30	PASS
PCB 157	Total	44.8	1	0.103	0.5	ng/wet g	50	0	90	60 - 140%	PASS	12	30	PASS
PCB 158	Total	47.3	1	0.074	0.5	ng/wet g	50	0	95	60 - 140%	PASS	7	30	PASS
PCB 167	Total	47.6	1	0.049	0.5	ng/wet g	50	0	95	60 - 140%	PASS	10	30	PASS
PCB 169	Total	47.5	1	0.116	0.5	ng/wet g	50	0	95	60 - 140%	PASS	5	30	PASS
PCB 170	Total	48.8	1	0.118	0.5	ng/wet g	50	0	98	60 - 140%	PASS	3	30	PASS
PCB 174	Total	49.1	1	0.25	0.5	ng/wet g	50	0	98	60 - 140%	PASS	23	30	PASS
PCB 177	Total	40.1	1	0.085	0.5	ng/wet g	50	0	80	60 - 140%	PASS	3	30	PASS
PCB 180	Total	48.8	1	0.154	0.5	ng/wet g	50	0	98	60 - 140%	PASS	3	30	PASS

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 183	Total	43.4	1	0.056	0.5	ng/wet g	50	0	87	60 - 140%	PASS	7	30	PASS
PCB 187	Total	45.9	1	0.168	0.5	ng/wet g	50	0	92	60 - 140%	PASS	7	30	PASS
PCB 189	Total	53.4	1	0.109	0.5	ng/wet g	50	0	107	60 - 140%	PASS	7	30	PASS
PCB 194	Total	40.6	1	0.164	0.5	ng/wet g	50	0	81	60 - 140%	PASS	7	30	PASS
PCB 195	Total	48.2	1	0.093	0.5	ng/wet g	50	0	96	60 - 140%	PASS	11	30	PASS
PCB 199	Total	40.7	1	0.25	0.5	ng/wet g	50	0	81	60 - 140%	PASS	4	30	PASS
PCB 201	Total	46.9	1	0.104	0.5	ng/wet g	50	0	94	60 - 140%	PASS	5	30	PASS
PCB 203	Total	60.1	1	0.25	0.5	ng/wet g	50	0	120	60 - 140%	PASS	10	30	PASS
PCB 206	Total	46.8	1	0.155	0.5	ng/wet g	50	0	94	60 - 140%	PASS	3	30	PASS
PCB 209	Total	51.6	1	0.25	0.5	ng/wet g	50	0	103	60 - 140%	PASS	6	30	PASS

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119145-CRM1	**QAQC CRM - SRM 1974c**					**Matrix: Tissue**		**Sampled:**				**Received:**	
		Method: EPA 8270E				Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 13-Jan-25	
PCB 008	Total	0.116	1	0.017	0.5	ng/wet g	0.191		61	50 - 150%	PASS		
PCB 018	Total	0.444	1	0.029	0.5	ng/wet g	0.589		75	50 - 150%	PASS		
PCB 028	Total	1.1	1	0.023	0.5	ng/wet g	1.47		75	50 - 150%	PASS		
PCB 029	Total	ND	1	0.25	0.5	ng/wet g	0.131		0	50 - 150%	FAIL		SL
PCB 031	Total	0.879	1	0.25	0.5	ng/wet g	1.16		76	50 - 150%	PASS		
PCB 044	Total	1.64	1	0.028	0.5	ng/wet g	1.54		106	50 - 150%	PASS		
PCB 049	Total	2.31	1	0.036	0.5	ng/wet g	1.76		131	50 - 150%	PASS		
PCB 052	Total	2.14	1	0.012	0.5	ng/wet g	2.49		86	50 - 150%	PASS		
PCB 066	Total	1.4	1	0.027	0.5	ng/wet g	1.65		85	50 - 150%	PASS		
PCB 070	Total	1.52	1	0.023	0.5	ng/wet g	1.57		97	50 - 150%	PASS		
PCB 074	Total	0.492	1	0.021	0.5	ng/wet g	0.85		58	50 - 150%	PASS		
PCB 087	Total	1.72	1	0.081	0.5	ng/wet g	2.08		83	50 - 150%	PASS		
PCB 095	Total	2.32	1	0.25	0.5	ng/wet g	1.82		127	50 - 150%	PASS		
PCB 099	Total	3.24	1	0.028	0.5	ng/wet g	3.55		91	50 - 150%	PASS		
PCB 101	Total	4.89	1	0.027	0.5	ng/wet g	6.67		73	50 - 150%	PASS		
PCB 105	Total	1.98	1	0.047	0.5	ng/wet g	1.57		126	50 - 150%	PASS		
PCB 110	Total	3.73	1	0.074	0.5	ng/wet g	5.47		68	50 - 150%	PASS		
PCB 114	Total	ND	1	0.072	0.5	ng/wet g	0.155		0	50 - 150%	PASS		SL
PCB 118	Total	4.45	1	0.069	0.5	ng/wet g	4.08		109	50 - 150%	PASS		
PCB 128	Total	0.738	1	0.081	0.5	ng/wet g	0.801		92	50 - 150%	PASS		
PCB 137	Total	ND	1	0.25	0.5	ng/wet g	0.095		0	50 - 150%	FAIL		SL
PCB 138	Total	3.72	1	0.057	0.5	ng/wet g	4.39		85	50 - 150%	PASS		
PCB 149	Total	2.95	1	0.092	0.5	ng/wet g	3.97		74	50 - 150%	PASS		

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 151	Total	0.619	1	0.073	0.5	ng/wet g	1.13		55	50 - 150%	PASS			
PCB 156	Total	0.188	1	0.089	0.5	ng/wet g	0.253		74	50 - 150%	PASS			
PCB 157	Total	ND	1	0.103	0.5	ng/wet g	0.086		0	50 - 150%	FAIL			SL
PCB 158	Total	0.318	1	0.074	0.5	ng/wet g	0.443		72	50 - 150%	PASS			
PCB 167	Total	0.272	1	0.049	0.5	ng/wet g	0.305		89	50 - 150%	PASS			
PCB 170	Total	0.113	1	0.118	0.5	ng/wet g	0.105		108	50 - 150%	PASS			
PCB 177	Total	0.799	1	0.085	0.5	ng/wet g	0.696		115	50 - 150%	PASS			
PCB 180	Total	0.472	1	0.154	0.5	ng/wet g	0.594		79	50 - 150%	PASS			
PCB 183	Total	1.15	1	0.056	0.5	ng/wet g	0.848		136	50 - 150%	PASS			
PCB 187	Total	1.55	1	0.168	0.5	ng/wet g	2.09		74	50 - 150%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119146-CRM1	**QAQC CRM - SRM 1974c**					**Matrix: Tissue**		**Sampled:**				**Received:**	
		Method: EPA 8270E				Batch ID: O-49058		Prepared: 12-Jan-25				Analyzed: 16-Jan-25	
PCB 008	Total	ND	1	0.017	0.5	ng/wet g	0.191	0	50 - 150%	FAIL			SL
PCB 018	Total	0.776	1	0.029	0.5	ng/wet g	0.589	131	50 - 150%	PASS			
PCB 028	Total	1.63	1	0.023	0.5	ng/wet g	1.47	111	50 - 150%	PASS			
PCB 029	Total	ND	1	0.25	0.5	ng/wet g	0.131	0	50 - 150%	FAIL			SL
PCB 031	Total	1.07	1	0.25	0.5	ng/wet g	1.16	92	50 - 150%	PASS			
PCB 044	Total	1.93	1	0.028	0.5	ng/wet g	1.54	125	50 - 150%	PASS			
PCB 049	Total	1.18	1	0.036	0.5	ng/wet g	1.76	67	50 - 150%	PASS			
PCB 052	Total	2.05	1	0.012	0.5	ng/wet g	2.49	82	50 - 150%	PASS			
PCB 066	Total	1.96	1	0.027	0.5	ng/wet g	1.65	119	50 - 150%	PASS			
PCB 070	Total	1.63	1	0.023	0.5	ng/wet g	1.57	104	50 - 150%	PASS			
PCB 074	Total	0.633	1	0.021	0.5	ng/wet g	0.85	74	50 - 150%	PASS			
PCB 087	Total	2.41	1	0.081	0.5	ng/wet g	2.08	116	50 - 150%	PASS			
PCB 095	Total	1.81	1	0.25	0.5	ng/wet g	1.82	99	50 - 150%	PASS			
PCB 099	Total	2.57	1	0.028	0.5	ng/wet g	3.55	72	50 - 150%	PASS			
PCB 101	Total	6.27	1	0.027	0.5	ng/wet g	6.67	94	50 - 150%	PASS			
PCB 105	Total	1.39	1	0.047	0.5	ng/wet g	1.57	89	50 - 150%	PASS			
PCB 110	Total	7.424195	1	0.074	0.5	ng/wet g	5.47	136	50 - 150%	PASS			
PCB 114	Total	0.184	1	0.072	0.5	ng/wet g	0.155	119	50 - 150%	PASS			
PCB 118	Total	4.25	1	0.069	0.5	ng/wet g	4.08	104	50 - 150%	PASS			
PCB 128	Total	0.903	1	0.081	0.5	ng/wet g	0.801	113	50 - 150%	PASS			
PCB 137	Total	ND 0	1	0.25	0.5	ng/wet g	0.095		50 - 150%	PASS			SL
PCB 138	Total	3.6	1	0.057	0.5	ng/wet g	4.39	82	50 - 150%	PASS			
PCB 149	Total	3.18	1	0.092	0.5	ng/wet g	3.97	80	50 - 150%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 151	Total	0.766	1	0.073	0.5	ng/wet g	1.13		68	50 - 150%	PASS			
PCB 156	Total	0.215	1	0.089	0.5	ng/wet g	0.253		85	50 - 150%	PASS			
PCB 157	Total	ND	1	0.103	0.5	ng/wet g	0.086			50 - 150%	FAIL			SL
PCB 158	Total	0.383	1	0.074	0.5	ng/wet g	0.443		86	50 - 150%	PASS			
PCB 167	Total	0.246	1	0.049	0.5	ng/wet g	0.305		81	50 - 150%	PASS			
PCB 170	Total	0.147	1	0.118	0.5	ng/wet g	0.105		140	50 - 150%	PASS			
PCB 177	Total	0.599	1	0.085	0.5	ng/wet g	0.696		86	50 - 150%	PASS			
PCB 180	Total	0.508	1	0.154	0.5	ng/wet g	0.594		86	50 - 150%	PASS			
PCB 183	Total	2.351568	1	0.056	0.5	ng/wet g	0.848			50 - 150%	PASS			
PCB 187	Total	2.39	1	0.168	0.5	ng/wet g	2.09		114	50 - 150%	PASS			M

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119147-CRM1	**QAQC CRM - SRM 1974c**					**Matrix: Tissue**		**Sampled:**				**Received:**	
		Method: EPA 8270E				Batch ID: O-49060		Prepared: 13-Jan-25				Analyzed: 17-Jan-25	
PCB 008	Total	0.157	1	0.017	0.5	ng/wet g	0.191		82	50 - 150%	PASS		
PCB 018	Total	0.377	1	0.029	0.5	ng/wet g	0.589		64	50 - 150%	PASS		
PCB 028	Total	1.61	1	0.023	0.5	ng/wet g	1.47		110	50 - 150%	PASS		
PCB 029	Total	ND	1	0.25	0.5	ng/wet g	0.131		0	50 - 150%	FAIL		SL
PCB 031	Total	1.27	1	0.25	0.5	ng/wet g	1.16		109	50 - 150%	PASS		
PCB 044	Total	1.71	1	0.028	0.5	ng/wet g	1.54		111	50 - 150%	PASS		
PCB 049	Total	1.67	1	0.036	0.5	ng/wet g	1.76		95	50 - 150%	PASS		
PCB 052	Total	2.81	1	0.012	0.5	ng/wet g	2.49		113	50 - 150%	PASS		
PCB 066	Total	2	1	0.027	0.5	ng/wet g	1.65		121	50 - 150%	PASS		
PCB 070	Total	1.18	1	0.023	0.5	ng/wet g	1.57		75	50 - 150%	PASS		
PCB 074	Total	0.75	1	0.021	0.5	ng/wet g	0.85		88	50 - 150%	PASS		
PCB 087	Total	1.67	1	0.081	0.5	ng/wet g	2.08		80	50 - 150%	PASS		
PCB 095	Total	2.18	1	0.25	0.5	ng/wet g	1.82		120	50 - 150%	PASS		
PCB 099	Total	4.03	1	0.028	0.5	ng/wet g	3.55		114	50 - 150%	PASS		
PCB 101	Total	4.44	1	0.027	0.5	ng/wet g	6.67		67	50 - 150%	PASS		
PCB 105	Total	1.41	1	0.047	0.5	ng/wet g	1.57		90	50 - 150%	PASS		
PCB 110	Total	4.56	1	0.074	0.5	ng/wet g	5.47		83	50 - 150%	PASS		
PCB 114	Total	0.111	1	0.072	0.5	ng/wet g	0.155		72	50 - 150%	PASS		
PCB 118	Total	4.23	1	0.069	0.5	ng/wet g	4.08		104	50 - 150%	PASS		
PCB 128	Total	0.611	1	0.081	0.5	ng/wet g	0.801		76	50 - 150%	PASS		
PCB 137	Total	ND	1	0.25	0.5	ng/wet g	0.095		0	50 - 150%	FAIL		SL
PCB 138	Total	4.71	1	0.057	0.5	ng/wet g	4.39		107	50 - 150%	PASS		
PCB 149	Total	2.82	1	0.092	0.5	ng/wet g	3.97		71	50 - 150%	PASS		

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 151	Total	0.82	1	0.073	0.5	ng/wet g	1.13		73	50 - 150%	PASS			
PCB 156	Total	0.171	1	0.089	0.5	ng/wet g	0.253		68	50 - 150%	PASS			
PCB 157	Total	0.063	1	0.103	0.5	ng/wet g	0.086		73	50 - 150%	PASS			
PCB 158	Total	0.445	1	0.074	0.5	ng/wet g	0.443		100	50 - 150%	PASS			
PCB 167	Total	0.413	1	0.049	0.5	ng/wet g	0.305		135	50 - 150%	PASS			
PCB 170	Total	0.086	1	0.118	0.5	ng/wet g	0.105		82	50 - 150%	PASS			
PCB 177	Total	0.983	1	0.085	0.5	ng/wet g	0.696		141	50 - 150%	PASS			
PCB 180	Total	0.651	1	0.154	0.5	ng/wet g	0.594		110	50 - 150%	PASS			
PCB 183	Total	0.787	1	0.056	0.5	ng/wet g	0.848		93	50 - 150%	PASS			
PCB 187	Total	2.32	1	0.168	0.5	ng/wet g	2.09		111	50 - 150%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119148-CRM1	**QAQC CRM - SRM 1974c**					**Matrix: Tissue**		**Sampled:**				**Received:**	
		Method: EPA 8270E				Batch ID: O-49062		Prepared: 14-Jan-25				Analyzed: 19-Jan-25	
PCB 008	Total	0.172	1	0.017	0.5	ng/wet g	0.191		90	50 - 150%	PASS		
PCB 018	Total	0.514	1	0.029	0.5	ng/wet g	0.589		87	50 - 150%	PASS		
PCB 028	Total	1.69	1	0.023	0.5	ng/wet g	1.47		115	50 - 150%	PASS		
PCB 029	Total	ND	1	0.25	0.5	ng/wet g	0.131		0	50 - 150%	FAIL		SL
PCB 031	Total	1.25	1	0.25	0.5	ng/wet g	1.16		108	50 - 150%	PASS		
PCB 044	Total	1.33	1	0.028	0.5	ng/wet g	1.54		86	50 - 150%	PASS		
PCB 049	Total	1.81	1	0.036	0.5	ng/wet g	1.76		103	50 - 150%	PASS		
PCB 052	Total	2.27	1	0.012	0.5	ng/wet g	2.49		91	50 - 150%	PASS		
PCB 066	Total	1.26	1	0.027	0.5	ng/wet g	1.65		76	50 - 150%	PASS		
PCB 070	Total	1.43	1	0.023	0.5	ng/wet g	1.57		91	50 - 150%	PASS		
PCB 074	Total	0.821	1	0.021	0.5	ng/wet g	0.85		97	50 - 150%	PASS		
PCB 087	Total	2	1	0.081	0.5	ng/wet g	2.08		96	50 - 150%	PASS		
PCB 095	Total	1.88	1	0.25	0.5	ng/wet g	1.82		103	50 - 150%	PASS		
PCB 099	Total	2.95	1	0.028	0.5	ng/wet g	3.55		83	50 - 150%	PASS		
PCB 101	Total	5.36	1	0.027	0.5	ng/wet g	6.67		80	50 - 150%	PASS		
PCB 105	Total	1.33	1	0.047	0.5	ng/wet g	1.57		85	50 - 150%	PASS		
PCB 110	Total	6.21	1	0.074	0.5	ng/wet g	5.47		114	50 - 150%	PASS		
PCB 114	Total	0.145	1	0.072	0.5	ng/wet g	0.155		94	50 - 150%	PASS		
PCB 118	Total	5.09	1	0.069	0.5	ng/wet g	4.08		125	50 - 150%	PASS		
PCB 128	Total	0.847	1	0.081	0.5	ng/wet g	0.801		106	50 - 150%	PASS		
PCB 137	Total	ND	1	0.25	0.5	ng/wet g	0.095		0	50 - 150%	FAIL		SL
PCB 138	Total	4.11	1	0.057	0.5	ng/wet g	4.39		94	50 - 150%	PASS		
PCB 149	Total	3.83	1	0.092	0.5	ng/wet g	3.97		96	50 - 150%	PASS		

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 151	Total	0.814	1	0.073	0.5	ng/wet g	1.13		72	50 - 150%	PASS			
PCB 156	Total	0.223	1	0.089	0.5	ng/wet g	0.253		88	50 - 150%	PASS			
PCB 157	Total	0.102	1	0.103	0.5	ng/wet g	0.086		119	50 - 150%	PASS			
PCB 158	Total	0.415	1	0.074	0.5	ng/wet g	0.443		94	50 - 150%	PASS			
PCB 167	Total	0.304	1	0.049	0.5	ng/wet g	0.305		100	50 - 150%	PASS			
PCB 170	Total	0.123	1	0.118	0.5	ng/wet g	0.105		117	50 - 150%	PASS			
PCB 177	Total	0.707	1	0.085	0.5	ng/wet g	0.696		102	50 - 150%	PASS			
PCB 180	Total	0.73	1	0.154	0.5	ng/wet g	0.594		123	50 - 150%	PASS			
PCB 183	Total	0.909	1	0.056	0.5	ng/wet g	0.848		107	50 - 150%	PASS			
PCB 187	Total	2.32	1	0.168	0.5	ng/wet g	2.09		111	50 - 150%	PASS			

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119161-MS1	**SSB-OS-C1-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 07-Sep-23**				**Received: 17-Jun-24**	
	Method: EPA 8270E					Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 14-Jan-25	
PCB 003	Total	55.7	1	0.25	0.5	ng/wet g	50	0	111	50 - 150%		PASS	
PCB 005	Total	34.1	1	0.25	0.5	ng/wet g	50	0	68	50 - 150%		PASS	
PCB 008	Total	50.3	1	0.017	0.5	ng/wet g	50	0	101	50 - 150%		PASS	
PCB 015	Total	57.2	1	0.25	0.5	ng/wet g	50	0	114	50 - 150%		PASS	
PCB 018	Total	51.7	1	0.029	0.5	ng/wet g	50	0	103	50 - 150%		PASS	
PCB 027	Total	50.8	1	0.25	0.5	ng/wet g	50	0	102	50 - 150%		PASS	
PCB 028	Total	53.9	1	0.023	0.5	ng/wet g	50	0	108	50 - 150%		PASS	
PCB 029	Total	49.7	1	0.25	0.5	ng/wet g	50	0	99	50 - 150%		PASS	
PCB 031	Total	51.2	1	0.25	0.5	ng/wet g	50	0	102	50 - 150%		PASS	
PCB 033	Total	53.7	1	0.25	0.5	ng/wet g	50	0	107	50 - 150%		PASS	
PCB 037	Total	47.9	1	0.06	0.5	ng/wet g	50	0	96	50 - 150%		PASS	
PCB 044	Total	46.2	1	0.028	0.5	ng/wet g	50	0	92	50 - 150%		PASS	
PCB 049	Total	51.3	1	0.036	0.5	ng/wet g	50	0.196	102	50 - 150%		PASS	
PCB 052	Total	49.4	1	0.012	0.5	ng/wet g	50	0.154	98	50 - 150%		PASS	
PCB 056/60	Total	89.8	1	0.25	0.5	ng/wet g	100	0	90	50 - 150%		PASS	
PCB 066	Total	48.4	1	0.027	0.5	ng/wet g	50	0.101	97	50 - 150%		PASS	
PCB 070	Total	45.3	1	0.023	0.5	ng/wet g	50	0.0338	91	50 - 150%		PASS	
PCB 074	Total	44.9	1	0.021	0.5	ng/wet g	50	0.102	90	50 - 150%		PASS	
PCB 077	Total	45.2	1	0.018	0.5	ng/wet g	50	0	90	50 - 150%		PASS	
PCB 081	Total	46.1	1	0.084	0.5	ng/wet g	50	0	92	50 - 150%		PASS	
PCB 087	Total	46.7	1	0.081	0.5	ng/wet g	50	0	93	50 - 150%		PASS	
PCB 095	Total	44.4	1	0.25	0.5	ng/wet g	50	0	89	50 - 150%		PASS	
PCB 097	Total	46.4	1	0.25	0.5	ng/wet g	50	0	93	50 - 150%		PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	46.7	1	0.028	0.5	ng/wet g	50	0	93	50 - 150%	PASS			
PCB 101	Total	47.9	1	0.027	0.5	ng/wet g	50	0	96	50 - 150%	PASS			
PCB 105	Total	63.1	1	0.047	0.5	ng/wet g	50	0.352	125	50 - 150%	PASS			
PCB 110	Total	44.7	1	0.074	0.5	ng/wet g	50	0.284	89	50 - 150%	PASS			
PCB 114	Total	42.1	1	0.072	0.5	ng/wet g	50	0	84	50 - 150%	PASS			
PCB 118	Total	49.8	1	0.069	0.5	ng/wet g	50	0.857	98	50 - 150%	PASS			
PCB 119	Total	42.3	1	0.071	0.5	ng/wet g	50	0	85	50 - 150%	PASS			
PCB 123	Total	38.3	1	0.018	0.5	ng/wet g	50	0	77	50 - 150%	PASS			
PCB 126	Total	64.9	1	0.086	0.5	ng/wet g	50	0	130	50 - 150%	PASS			
PCB 128	Total	59.1	1	0.081	0.5	ng/wet g	50	0.112	118	50 - 150%	PASS			
PCB 132/168	Total	124	1	0.094	0.5	ng/wet g	100	0	124	50 - 150%	PASS			
PCB 137	Total	61.3	1	0.25	0.5	ng/wet g	50	0	123	50 - 150%	PASS			
PCB 138	Total	58.7	1	0.057	0.5	ng/wet g	50	1.87	114	50 - 150%	PASS			
PCB 141	Total	59.3	1	0.25	0.5	ng/wet g	50	0	119	50 - 150%	PASS			
PCB 149	Total	40.2	1	0.092	0.5	ng/wet g	50	0.207	80	50 - 150%	PASS			
PCB 151	Total	43.2	1	0.073	0.5	ng/wet g	50	0	86	50 - 150%	PASS			
PCB 153	Total	41.4	1	0.065	0.5	ng/wet g	50	3.13	77	50 - 150%	PASS			
PCB 156	Total	42.9	1	0.089	0.5	ng/wet g	50	0	86	50 - 150%	PASS			
PCB 157	Total	54.1	1	0.103	0.5	ng/wet g	50	0	108	50 - 150%	PASS			
PCB 158	Total	57.7	1	0.074	0.5	ng/wet g	50	0	115	50 - 150%	PASS			
PCB 167	Total	59.7	1	0.049	0.5	ng/wet g	50	0	119	50 - 150%	PASS			
PCB 169	Total	48.2	1	0.116	0.5	ng/wet g	50	0	96	50 - 150%	PASS			
PCB 170	Total	47.7	1	0.118	0.5	ng/wet g	50	0	95	50 - 150%	PASS			
PCB 174	Total	60.6	1	0.25	0.5	ng/wet g	50	0	121	50 - 150%	PASS			
PCB 177	Total	56.2	1	0.085	0.5	ng/wet g	50	0	112	50 - 150%	PASS			
PCB 180	Total	46.4	1	0.154	0.5	ng/wet g	50	0.603	92	50 - 150%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 183	Total	47.8	1	0.056	0.5	ng/wet g	50	0	96	50 - 150%	PASS			
PCB 187	Total	43	1	0.168	0.5	ng/wet g	50	0.691	85	50 - 150%	PASS			
PCB 189	Total	41.7	1	0.109	0.5	ng/wet g	50	0	83	50 - 150%	PASS			
PCB 194	Total	35.5	1	0.164	0.5	ng/wet g	50	0	71	50 - 150%	PASS			
PCB 195	Total	41.1	1	0.093	0.5	ng/wet g	50	0	82	50 - 150%	PASS			
PCB 199	Total	40.7	1	0.25	0.5	ng/wet g	50	0	81	50 - 150%	PASS			
PCB 201	Total	51.6	1	0.104	0.5	ng/wet g	50	0	103	50 - 150%	PASS			
PCB 203	Total	43.4	1	0.25	0.5	ng/wet g	50	0	87	50 - 150%	PASS			
PCB 206	Total	36.4	1	0.155	0.5	ng/wet g	50	0	73	50 - 150%	PASS			
PCB 209	Total	37.1	1	0.25	0.5	ng/wet g	50	0	74	50 - 150%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119161-MS2	**SSB-OS-C1-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 07-Sep-23**					**Received: 17-Jun-24**		
		Method: EPA 8270E				Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 14-Jan-25			
PCB 003	Total	53.9	1	0.25	0.5	ng/wet g	50	0	108	50 - 150%	PASS	3	30	PASS	
PCB 005	Total	36.7	1	0.25	0.5	ng/wet g	50	0	73	50 - 150%	PASS	7	30	PASS	
PCB 008	Total	48.2	1	0.017	0.5	ng/wet g	50	0	96	50 - 150%	PASS	5	30	PASS	
PCB 015	Total	51	1	0.25	0.5	ng/wet g	50	0	102	50 - 150%	PASS	11	30	PASS	
PCB 018	Total	50.3	1	0.029	0.5	ng/wet g	50	0	101	50 - 150%	PASS	2	30	PASS	
PCB 027	Total	46.5	1	0.25	0.5	ng/wet g	50	0	93	50 - 150%	PASS	9	30	PASS	
PCB 028	Total	50.1	1	0.023	0.5	ng/wet g	50	0	100	50 - 150%	PASS	8	30	PASS	
PCB 029	Total	46.6	1	0.25	0.5	ng/wet g	50	0	93	50 - 150%	PASS	6	30	PASS	
PCB 031	Total	43.6	1	0.25	0.5	ng/wet g	50	0	87	50 - 150%	PASS	16	30	PASS	
PCB 033	Total	50.4	1	0.25	0.5	ng/wet g	50	0	101	50 - 150%	PASS	6	30	PASS	
PCB 037	Total	45.6	1	0.06	0.5	ng/wet g	50	0	91	50 - 150%	PASS	5	30	PASS	
PCB 044	Total	44.8	1	0.028	0.5	ng/wet g	50	0	90	50 - 150%	PASS	2	30	PASS	
PCB 049	Total	45.1	1	0.036	0.5	ng/wet g	50	0.196	90	50 - 150%	PASS	12	30	PASS	
PCB 052	Total	45.4	1	0.012	0.5	ng/wet g	50	0.154	90	50 - 150%	PASS	9	30	PASS	
PCB 056/60	Total	85.6	1	0.25	0.5	ng/wet g	100	0	86	50 - 150%	PASS	5	30	PASS	
PCB 066	Total	45.1	1	0.027	0.5	ng/wet g	50	0.101	90	50 - 150%	PASS	7	30	PASS	
PCB 070	Total	43.4	1	0.023	0.5	ng/wet g	50	0.0338	87	50 - 150%	PASS	4	30	PASS	
PCB 074	Total	43.6	1	0.021	0.5	ng/wet g	50	0.102	87	50 - 150%	PASS	3	30	PASS	
PCB 077	Total	38.3	1	0.018	0.5	ng/wet g	50	0	77	50 - 150%	PASS	16	30	PASS	
PCB 081	Total	39.2	1	0.084	0.5	ng/wet g	50	0	78	50 - 150%	PASS	16	30	PASS	
PCB 087	Total	39.6	1	0.081	0.5	ng/wet g	50	0	79	50 - 150%	PASS	16	30	PASS	
PCB 095	Total	42.5	1	0.25	0.5	ng/wet g	50	0	85	50 - 150%	PASS	5	30	PASS	
PCB 097	Total	43.4	1	0.25	0.5	ng/wet g	50	0	87	50 - 150%	PASS	7	30	PASS	

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	44	1	0.028	0.5	ng/wet g	50	0	88	50 - 150%	PASS	6	30	PASS
PCB 101	Total	45.6	1	0.027	0.5	ng/wet g	50	0	91	50 - 150%	PASS	5	30	PASS
PCB 105	Total	64.1	1	0.047	0.5	ng/wet g	50	0.352	127	50 - 150%	PASS	2	30	PASS
PCB 110	Total	40.9	1	0.074	0.5	ng/wet g	50	0.284	81	50 - 150%	PASS	9	30	PASS
PCB 114	Total	40.5	1	0.072	0.5	ng/wet g	50	0	81	50 - 150%	PASS	4	30	PASS
PCB 118	Total	40.7	1	0.069	0.5	ng/wet g	50	0.857	80	50 - 150%	PASS	20	30	PASS
PCB 119	Total	38.4	1	0.071	0.5	ng/wet g	50	0	77	50 - 150%	PASS	10	30	PASS
PCB 123	Total	36.2	1	0.018	0.5	ng/wet g	50	0	72	50 - 150%	PASS	7	30	PASS
PCB 126	Total	57.4	1	0.086	0.5	ng/wet g	50	0	115	50 - 150%	PASS	12	30	PASS
PCB 128	Total	52.7	1	0.081	0.5	ng/wet g	50	0.112	105	50 - 150%	PASS	12	30	PASS
PCB 132/168	Total	127	1	0.094	0.5	ng/wet g	100	0	127	50 - 150%	PASS	2	30	PASS
PCB 137	Total	66.6	1	0.25	0.5	ng/wet g	50	0	133	50 - 150%	PASS	8	30	PASS
PCB 138	Total	52.1	1	0.057	0.5	ng/wet g	50	1.87	100	50 - 150%	PASS	13	30	PASS
PCB 141	Total	60.3	1	0.25	0.5	ng/wet g	50	0	121	50 - 150%	PASS	2	30	PASS
PCB 149	Total	35.9	1	0.092	0.5	ng/wet g	50	0.207	71	50 - 150%	PASS	12	30	PASS
PCB 151	Total	39	1	0.073	0.5	ng/wet g	50	0	78	50 - 150%	PASS	10	30	PASS
PCB 153	Total	39.4	1	0.065	0.5	ng/wet g	50	3.13	73	50 - 150%	PASS	5	30	PASS
PCB 156	Total	45.3	1	0.089	0.5	ng/wet g	50	0	91	50 - 150%	PASS	6	30	PASS
PCB 157	Total	53	1	0.103	0.5	ng/wet g	50	0	106	50 - 150%	PASS	2	30	PASS
PCB 158	Total	51.3	1	0.074	0.5	ng/wet g	50	0	103	50 - 150%	PASS	11	30	PASS
PCB 167	Total	55.2	1	0.049	0.5	ng/wet g	50	0	110	50 - 150%	PASS	8	30	PASS
PCB 169	Total	50	1	0.116	0.5	ng/wet g	50	0	100	50 - 150%	PASS	4	30	PASS
PCB 170	Total	45	1	0.118	0.5	ng/wet g	50	0	90	50 - 150%	PASS	5	30	PASS
PCB 174	Total	63.3	1	0.25	0.5	ng/wet g	50	0	127	50 - 150%	PASS	5	30	PASS
PCB 177	Total	52.6	1	0.085	0.5	ng/wet g	50	0	105	50 - 150%	PASS	6	30	PASS
PCB 180	Total	45.5	1	0.154	0.5	ng/wet g	50	0.603	90	50 - 150%	PASS	2	30	PASS

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
PCB 183	Total	52.4	1	0.056	0.5	ng/wet g	50	0	105	50 - 150%	PASS	9	30	PASS	
PCB 187	Total	59.2	1	0.168	0.5	ng/wet g	50	0.691	117	50 - 150%	PASS	32	30	FAIL	M
PCB 189	Total	36.9	1	0.109	0.5	ng/wet g	50	0	74	50 - 150%	PASS	11	30	PASS	
PCB 194	Total	39.4	1	0.164	0.5	ng/wet g	50	0	79	50 - 150%	PASS	11	30	PASS	
PCB 195	Total	37.7	1	0.093	0.5	ng/wet g	50	0	75	50 - 150%	PASS	9	30	PASS	
PCB 199	Total	36.4	1	0.25	0.5	ng/wet g	50	0	73	50 - 150%	PASS	10	30	PASS	
PCB 201	Total	47.9	1	0.104	0.5	ng/wet g	50	0	96	50 - 150%	PASS	7	30	PASS	
PCB 203	Total	42.1	1	0.25	0.5	ng/wet g	50	0	84	50 - 150%	PASS	4	30	PASS	
PCB 206	Total	46.8	1	0.155	0.5	ng/wet g	50	0	94	50 - 150%	PASS	25	30	PASS	
PCB 209	Total	38.3	1	0.25	0.5	ng/wet g	50	0	77	50 - 150%	PASS	4	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119161-R2	**SSB-OS-C1-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 07-Sep-23**				**Received: 17-Jun-24**	
		Method: EPA 8270E				Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 14-Jan-25	
PCB 003	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 005	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 008	Total	ND	1	0.017	0.5	ng/wet g					0	30 PASS	
PCB 015	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 018	Total	ND	1	0.029	0.5	ng/wet g					0	30 PASS	
PCB 027	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 028	Total	ND	1	0.023	0.5	ng/wet g					0	30 PASS	
PCB 029	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 031	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 033	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 037	Total	ND	1	0.06	0.5	ng/wet g					0	30 PASS	
PCB 044	Total	ND	1	0.028	0.5	ng/wet g					0	30 PASS	
PCB 049	Total	0.202	1	0.036	0.5	ng/wet g					3	30 PASS	J
PCB 052	Total	0.117	1	0.012	0.5	ng/wet g					27	30 PASS	J
PCB 056/60	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 066	Total	0.286	1	0.027	0.5	ng/wet g					96	30 FAIL	J,SL
PCB 070	Total	0.0551	1	0.023	0.5	ng/wet g					48	30 FAIL	J,SL
PCB 074	Total	0.127	1	0.021	0.5	ng/wet g					22	30 PASS	J
PCB 077	Total	ND	1	0.018	0.5	ng/wet g					0	30 PASS	
PCB 081	Total	ND	1	0.084	0.5	ng/wet g					0	30 PASS	
PCB 087	Total	ND	1	0.081	0.5	ng/wet g					0	30 PASS	
PCB 095	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 097	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS		QA CODEc
PCB 099	Total	ND	1	0.028	0.5	ng/wet g					0	30	PASS	
PCB 101	Total	ND	1	0.027	0.5	ng/wet g					0	30	PASS	
PCB 105	Total	0.156	1	0.047	0.5	ng/wet g					77	30	FAIL	J,SL
PCB 110	Total	0.153	1	0.074	0.5	ng/wet g					60	30	FAIL	J,SL
PCB 114	Total	ND	1	0.072	0.5	ng/wet g					0	30	PASS	
PCB 118	Total	0.42	1	0.069	0.5	ng/wet g					68	30	FAIL	J,SL
PCB 119	Total	ND	1	0.071	0.5	ng/wet g					0	30	PASS	
PCB 123	Total	ND	1	0.018	0.5	ng/wet g					0	30	PASS	
PCB 126	Total	ND	1	0.086	0.5	ng/wet g					0	30	PASS	
PCB 128	Total	ND	1	0.081	0.5	ng/wet g					32	30	FAIL	SL
PCB 132/168	Total	ND	1	0.094	0.5	ng/wet g					0	30	PASS	
PCB 137	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
PCB 138	Total	1.26	1	0.057	0.5	ng/wet g					39	30	FAIL	NH
PCB 141	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
PCB 149	Total	0.152	1	0.092	0.5	ng/wet g					31	30	FAIL	J,SL
PCB 151	Total	ND	1	0.073	0.5	ng/wet g					0	30	PASS	
PCB 153	Total	3.05	1	0.065	0.5	ng/wet g					3	30	PASS	
PCB 156	Total	ND	1	0.089	0.5	ng/wet g					0	30	PASS	
PCB 157	Total	ND	1	0.103	0.5	ng/wet g					0	30	PASS	
PCB 158	Total	ND	1	0.074	0.5	ng/wet g					0	30	PASS	
PCB 167	Total	ND	1	0.049	0.5	ng/wet g					0	30	PASS	
PCB 169	Total	ND	1	0.116	0.5	ng/wet g					0	30	PASS	
PCB 170	Total	ND	1	0.118	0.5	ng/wet g					0	30	PASS	
PCB 174	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
PCB 177	Total	ND	1	0.085	0.5	ng/wet g					0	30	PASS	
PCB 180	Total	1.04	1	0.154	0.5	ng/wet g					53	30	FAIL	NH

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS		QA CODEc
PCB 183	Total	ND	1	0.056	0.5	ng/wet g					0	30	PASS	
PCB 187	Total	0.648	1	0.168	0.5	ng/wet g					6	30	PASS	
PCB 189	Total	0.13	1	0.109	0.5	ng/wet g					18	30	PASS	J
PCB 194	Total	ND	1	0.164	0.5	ng/wet g					0	30	PASS	
PCB 195	Total	ND	1	0.093	0.5	ng/wet g					0	30	PASS	
PCB 199	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
PCB 201	Total	ND	1	0.104	0.5	ng/wet g					0	30	PASS	
PCB 203	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
PCB 206	Total	ND	1	0.155	0.5	ng/wet g					0	30	PASS	
PCB 209	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119181-MS1	**WSP-MB-HH Carcass**					**Matrix: Tissue**		**Sampled: 23-Aug-23**				**Received: 17-Jun-24**	
	Method: EPA 8270E					Batch ID: O-49058		Prepared: 12-Jan-25				Analyzed: 16-Jan-25	
PCB 003	Total	30.5	1	0.25	0.5	ng/wet g	50	0	61	50 - 150%	PASS		
PCB 005	Total	29.4	1	0.25	0.5	ng/wet g	50	0	59	50 - 150%	PASS		
PCB 008	Total	34.7	1	0.017	0.5	ng/wet g	50	0	69	50 - 150%	PASS		
PCB 015	Total	34.9	1	0.25	0.5	ng/wet g	50	0	70	50 - 150%	PASS		
PCB 018	Total	48.2	1	0.029	0.5	ng/wet g	50	509	96	50 - 150%	PASS		
PCB 027	Total	35.1	1	0.25	0.5	ng/wet g	50	12.6	70	50 - 150%	PASS		
PCB 028	Total	36.6	1	0.023	0.5	ng/wet g	50	0	73	50 - 150%	PASS		
PCB 029	Total	41.2	1	0.25	0.5	ng/wet g	50	0	82	50 - 150%	PASS		
PCB 031	Total	40.5	1	0.25	0.5	ng/wet g	50	0	81	50 - 150%	PASS		
PCB 033	Total	40.1	1	0.25	0.5	ng/wet g	50	0.469	79	50 - 150%	PASS		
PCB 037	Total	40.1	1	0.06	0.5	ng/wet g	50	0	80	50 - 150%	PASS		
PCB 044	Total	39.7	1	0.028	0.5	ng/wet g	50	0	79	50 - 150%	PASS		
PCB 049	Total	41.9	1	0.036	0.5	ng/wet g	50	1.65	81	50 - 150%	PASS		
PCB 052	Total	40.3	1	0.012	0.5	ng/wet g	50	1.79	77	50 - 150%	PASS		
PCB 056/60	Total	74.5	1	0.25	0.5	ng/wet g	100	0	75	50 - 150%	PASS		
PCB 066	Total	44.4	1	0.027	0.5	ng/wet g	50	0	89	50 - 150%	PASS		
PCB 070	Total	41.9	1	0.023	0.5	ng/wet g	50	0	84	50 - 150%	PASS		
PCB 074	Total	41.7	1	0.021	0.5	ng/wet g	50	0.905	82	50 - 150%	PASS		
PCB 077	Total	42.4	1	0.018	0.5	ng/wet g	50	1.08	83	50 - 150%	PASS		
PCB 081	Total	41.9	1	0.084	0.5	ng/wet g	50	0	84	50 - 150%	PASS		
PCB 087	Total	39	1	0.081	0.5	ng/wet g	50	0	78	50 - 150%	PASS		
PCB 095	Total	35.5	1	0.25	0.5	ng/wet g	50	0.574	70	50 - 150%	PASS		
PCB 097	Total	38.8	1	0.25	0.5	ng/wet g	50	0	78	50 - 150%	PASS		

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	40.3	1	0.028	0.5	ng/wet g	50	0	81	50 - 150%	PASS			
PCB 101	Total	38.4	1	0.027	0.5	ng/wet g	50	0	77	50 - 150%	PASS			
PCB 105	Total	36.7	1	0.047	0.5	ng/wet g	50	0	73	50 - 150%	PASS			
PCB 110	Total	38	1	0.074	0.5	ng/wet g	50	1.15	74	50 - 150%	PASS			
PCB 114	Total	41.8	1	0.072	0.5	ng/wet g	50	0	84	50 - 150%	PASS			
PCB 118	Total	42.4	1	0.069	0.5	ng/wet g	50	4.01	77	50 - 150%	PASS			
PCB 119	Total	40	1	0.071	0.5	ng/wet g	50	0	80	50 - 150%	PASS			
PCB 123	Total	35.7	1	0.018	0.5	ng/wet g	50	0	71	50 - 150%	PASS			
PCB 126	Total	38.3	1	0.086	0.5	ng/wet g	50	0.533	76	50 - 150%	PASS			
PCB 128	Total	42.3	1	0.081	0.5	ng/wet g	50	0.631	83	50 - 150%	PASS			
PCB 132/168	Total	66	1	0.094	0.5	ng/wet g	100	0	66	50 - 150%	PASS			
PCB 137	Total	34.3	1	0.25	0.5	ng/wet g	50	0	69	50 - 150%	PASS			
PCB 138	Total	43.1	1	0.057	0.5	ng/wet g	50	5.81	75	50 - 150%	PASS			
PCB 141	Total	34.1	1	0.25	0.5	ng/wet g	50	0	68	50 - 150%	PASS			
PCB 149	Total	32.1	1	0.092	0.5	ng/wet g	50	1.22	62	50 - 150%	PASS			
PCB 151	Total	35.4	1	0.073	0.5	ng/wet g	50	0.943	69	50 - 150%	PASS			
PCB 153	Total	45.7	1	0.065	0.5	ng/wet g	50	8.74	74	50 - 150%	PASS			
PCB 156	Total	43.3	1	0.089	0.5	ng/wet g	50	0	87	50 - 150%	PASS			
PCB 157	Total	31.3	1	0.103	0.5	ng/wet g	50	0	63	50 - 150%	PASS			
PCB 158	Total	40.2	1	0.074	0.5	ng/wet g	50	0	80	50 - 150%	PASS			
PCB 167	Total	32.4	1	0.049	0.5	ng/wet g	50	0.289	64	50 - 150%	PASS			
PCB 169	Total	43.5	1	0.116	0.5	ng/wet g	50	0	87	50 - 150%	PASS			
PCB 170	Total	39.4	1	0.118	0.5	ng/wet g	50	0	79	50 - 150%	PASS			
PCB 174	Total	41.2	1	0.25	0.5	ng/wet g	50	0	82	50 - 150%	PASS			
PCB 177	Total	36	1	0.085	0.5	ng/wet g	50	0.662	71	50 - 150%	PASS			
PCB 180	Total	36.3	1	0.154	0.5	ng/wet g	50	1.97	69	50 - 150%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 183	Total	33.6	1	0.056	0.5	ng/wet g	50	1.14	65	50 - 150%	PASS			
PCB 187	Total	33.7	1	0.168	0.5	ng/wet g	50	1.89	64	50 - 150%	PASS			
PCB 189	Total	41	1	0.109	0.5	ng/wet g	50	0	82	50 - 150%	PASS			
PCB 194	Total	31.6	1	0.164	0.5	ng/wet g	50	0	63	50 - 150%	PASS			
PCB 195	Total	30.6	1	0.093	0.5	ng/wet g	50	0	61	50 - 150%	PASS			
PCB 199	Total	37.3	1	0.25	0.5	ng/wet g	50	0	75	50 - 150%	PASS			
PCB 201	Total	46.9	1	0.104	0.5	ng/wet g	50	0	94	50 - 150%	PASS			
PCB 203	Total	40.6	1	0.25	0.5	ng/wet g	50	0	81	50 - 150%	PASS			
PCB 206	Total	50.7	1	0.155	0.5	ng/wet g	50	0	101	50 - 150%	PASS			
PCB 209	Total	46.1	1	0.25	0.5	ng/wet g	50	0	92	50 - 150%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119181-MS2	**WSP-MB-HH Carcass**					**Matrix: Tissue**		**Sampled: 23-Aug-23**					**Received: 17-Jun-24**		
		Method: EPA 8270E				Batch ID: O-49058		Prepared: 12-Jan-25					Analyzed: 16-Jan-25		
PCB 003	Total	30	1	0.25	0.5	ng/wet g	50	0	60	50 - 150%	PASS	2	30	PASS	
PCB 005	Total	32.9	1	0.25	0.5	ng/wet g	50	0	66	50 - 150%	PASS	11	30	PASS	
PCB 008	Total	32	1	0.017	0.5	ng/wet g	50	0	64	50 - 150%	PASS	8	30	PASS	
PCB 015	Total	37.5	1	0.25	0.5	ng/wet g	50	0	75	50 - 150%	PASS	7	30	PASS	
PCB 018	Total	49.9	1	0.029	0.5	ng/wet g	50	509	100	50 - 150%	PASS	0	30	PASS	
PCB 027	Total	35.1	1	0.25	0.5	ng/wet g	50	12.6	70	50 - 150%	PASS	0	30	PASS	
PCB 028	Total	38.4	1	0.023	0.5	ng/wet g	50	0	77	50 - 150%	PASS	5	30	PASS	
PCB 029	Total	43.5	1	0.25	0.5	ng/wet g	50	0	87	50 - 150%	PASS	6	30	PASS	
PCB 031	Total	41.7	1	0.25	0.5	ng/wet g	50	0	83	50 - 150%	PASS	2	30	PASS	
PCB 033	Total	41.7	1	0.25	0.5	ng/wet g	50	0.469	82	50 - 150%	PASS	4	30	PASS	
PCB 037	Total	39.4	1	0.06	0.5	ng/wet g	50	0	79	50 - 150%	PASS	1	30	PASS	
PCB 044	Total	39.4	1	0.028	0.5	ng/wet g	50	0	79	50 - 150%	PASS	0	30	PASS	
PCB 049	Total	41.7	1	0.036	0.5	ng/wet g	50	1.65	80	50 - 150%	PASS	0	30	PASS	
PCB 052	Total	41.5	1	0.012	0.5	ng/wet g	50	1.79	79	50 - 150%	PASS	3	30	PASS	
PCB 056/60	Total	74	1	0.25	0.5	ng/wet g	100	0	74	50 - 150%	PASS	0	30	PASS	
PCB 066	Total	40.8	1	0.027	0.5	ng/wet g	50	0	82	50 - 150%	PASS	8	30	PASS	
PCB 070	Total	42.3	1	0.023	0.5	ng/wet g	50	0	85	50 - 150%	PASS	1	30	PASS	
PCB 074	Total	41.7	1	0.021	0.5	ng/wet g	50	0.905	82	50 - 150%	PASS	0	30	PASS	
PCB 077	Total	43.2	1	0.018	0.5	ng/wet g	50	1.08	84	50 - 150%	PASS	1	30	PASS	
PCB 081	Total	43.2	1	0.084	0.5	ng/wet g	50	0	86	50 - 150%	PASS	2	30	PASS	
PCB 087	Total	39.4	1	0.081	0.5	ng/wet g	50	0	79	50 - 150%	PASS	1	30	PASS	
PCB 095	Total	35	1	0.25	0.5	ng/wet g	50	0.574	69	50 - 150%	PASS	1	30	PASS	
PCB 097	Total	39.1	1	0.25	0.5	ng/wet g	50	0	78	50 - 150%	PASS	0	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	40.2	1	0.028	0.5	ng/wet g	50	0	80	50 - 150%	PASS	1	30	PASS
PCB 101	Total	38.2	1	0.027	0.5	ng/wet g	50	0	76	50 - 150%	PASS	1	30	PASS
PCB 105	Total	35.2	1	0.047	0.5	ng/wet g	50	0	70	50 - 150%	PASS	4	30	PASS
PCB 110	Total	38.6	1	0.074	0.5	ng/wet g	50	1.15	75	50 - 150%	PASS	1	30	PASS
PCB 114	Total	39.8	1	0.072	0.5	ng/wet g	50	0	80	50 - 150%	PASS	5	30	PASS
PCB 118	Total	41.1	1	0.069	0.5	ng/wet g	50	4.01	74	50 - 150%	PASS	4	30	PASS
PCB 119	Total	38.7	1	0.071	0.5	ng/wet g	50	0	77	50 - 150%	PASS	4	30	PASS
PCB 123	Total	35.6	1	0.018	0.5	ng/wet g	50	0	71	50 - 150%	PASS	0	30	PASS
PCB 126	Total	42.5	1	0.086	0.5	ng/wet g	50	0.533	84	50 - 150%	PASS	10	30	PASS
PCB 128	Total	37	1	0.081	0.5	ng/wet g	50	0.631	73	50 - 150%	PASS	13	30	PASS
PCB 132/168	Total	69.1	1	0.094	0.5	ng/wet g	100	0	69	50 - 150%	PASS	4	30	PASS
PCB 137	Total	36.5	1	0.25	0.5	ng/wet g	50	0	73	50 - 150%	PASS	6	30	PASS
PCB 138	Total	42.7	1	0.057	0.5	ng/wet g	50	5.81	74	50 - 150%	PASS	1	30	PASS
PCB 141	Total	36.2	1	0.25	0.5	ng/wet g	50	0	72	50 - 150%	PASS	6	30	PASS
PCB 149	Total	31.8	1	0.092	0.5	ng/wet g	50	1.22	61	50 - 150%	PASS	2	30	PASS
PCB 151	Total	34.6	1	0.073	0.5	ng/wet g	50	0.943	67	50 - 150%	PASS	3	30	PASS
PCB 153	Total	45	1	0.065	0.5	ng/wet g	50	8.74	73	50 - 150%	PASS	1	30	PASS
PCB 156	Total	45.8	1	0.089	0.5	ng/wet g	50	0	92	50 - 150%	PASS	6	30	PASS
PCB 157	Total	33.4	1	0.103	0.5	ng/wet g	50	0	67	50 - 150%	PASS	6	30	PASS
PCB 158	Total	38.8	1	0.074	0.5	ng/wet g	50	0	78	50 - 150%	PASS	3	30	PASS
PCB 167	Total	35.4	1	0.049	0.5	ng/wet g	50	0.289	70	50 - 150%	PASS	9	30	PASS
PCB 169	Total	43.6	1	0.116	0.5	ng/wet g	50	0	87	50 - 150%	PASS	0	30	PASS
PCB 170	Total	43.9	1	0.118	0.5	ng/wet g	50	0	88	50 - 150%	PASS	11	30	PASS
PCB 174	Total	41.3	1	0.25	0.5	ng/wet g	50	0	83	50 - 150%	PASS	1	30	PASS
PCB 177	Total	33.3	1	0.085	0.5	ng/wet g	50	0.662	65	50 - 150%	PASS	9	30	PASS
PCB 180	Total	36.7	1	0.154	0.5	ng/wet g	50	1.97	69	50 - 150%	PASS	0	30	PASS

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
PCB 183	Total	34.8	1	0.056	0.5	ng/wet g	50	1.14	67	50 - 150%	PASS	3	30	PASS	
PCB 187	Total	33	1	0.168	0.5	ng/wet g	50	1.89	62	50 - 150%	PASS	3	30	PASS	
PCB 189	Total	45.3	1	0.109	0.5	ng/wet g	50	0	91	50 - 150%	PASS	10	30	PASS	
PCB 194	Total	30.8	1	0.164	0.5	ng/wet g	50	0	62	50 - 150%	PASS	2	30	PASS	
PCB 195	Total	32.2	1	0.093	0.5	ng/wet g	50	0	64	50 - 150%	PASS	5	30	PASS	
PCB 199	Total	33.1	1	0.25	0.5	ng/wet g	50	0	66	50 - 150%	PASS	13	30	PASS	
PCB 201	Total	46.3	1	0.104	0.5	ng/wet g	50	0	93	50 - 150%	PASS	1	30	PASS	
PCB 203	Total	42.5	1	0.25	0.5	ng/wet g	50	0	85	50 - 150%	PASS	5	30	PASS	
PCB 206	Total	55.7	1	0.155	0.5	ng/wet g	50	0	111	50 - 150%	PASS	9	30	PASS	
PCB 209	Total	49.7	1	0.25	0.5	ng/wet g	50	0	99	50 - 150%	PASS	7	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119181-R2	**WSP-MB-HH Carcass**					**Matrix: Tissue**		**Sampled: 23-Aug-23**			**Received: 17-Jun-24**		
	Method: EPA 8270E					Batch ID: O-49058		Prepared: 12-Jan-25			Analyzed: 16-Jan-25		
PCB 003	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 005	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 008	Total	ND	1	0.017	0.5	ng/wet g					0	30 PASS	
PCB 015	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 018	Total	ND	1	0.029	0.5	ng/wet g					1	30 PASS	
PCB 027	Total	14.1	1	0.25	0.5	ng/wet g					11	30 PASS	
PCB 028	Total	ND	1	0.023	0.5	ng/wet g					0	30 PASS	
PCB 029	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 031	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 033	Total	0.571	1	0.25	0.5	ng/wet g					20	30 PASS	
PCB 037	Total	ND	1	0.06	0.5	ng/wet g					0	30 PASS	
PCB 044	Total	ND	1	0.028	0.5	ng/wet g					0	30 PASS	
PCB 049	Total	1.46	1	0.036	0.5	ng/wet g					12	30 PASS	
PCB 052	Total	2.12	1	0.012	0.5	ng/wet g					17	30 PASS	
PCB 056/60	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 066	Total	ND	1	0.027	0.5	ng/wet g					0	30 PASS	
PCB 070	Total	ND	1	0.023	0.5	ng/wet g					0	30 PASS	
PCB 074	Total	0.97	1	0.021	0.5	ng/wet g					7	30 PASS	
PCB 077	Total	0.957	1	0.018	0.5	ng/wet g					12	30 PASS	
PCB 081	Total	ND	1	0.084	0.5	ng/wet g					0	30 PASS	
PCB 087	Total	ND	1	0.081	0.5	ng/wet g					0	30 PASS	
PCB 095	Total	ND	1	0.25	0.5	ng/wet g					79	30 FAIL	SL
PCB 097	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS		QA CODEc
PCB 099	Total	ND	1	0.028	0.5	ng/wet g					0	30	PASS	
PCB 101	Total	ND	1	0.027	0.5	ng/wet g					0	30	PASS	
PCB 105	Total	ND	1	0.047	0.5	ng/wet g					0	30	PASS	
PCB 110	Total	1.1	1	0.074	0.5	ng/wet g					4	30	PASS	
PCB 114	Total	ND	1	0.072	0.5	ng/wet g					0	30	PASS	
PCB 118	Total	5.16	1	0.069	0.5	ng/wet g					25	30	PASS	
PCB 119	Total	ND	1	0.071	0.5	ng/wet g					0	30	PASS	
PCB 123	Total	ND	1	0.018	0.5	ng/wet g					0	30	PASS	
PCB 126	Total	1.04	1	0.086	0.5	ng/wet g					64	30	FAIL	NH
PCB 128	Total	1.06	1	0.081	0.5	ng/wet g					51	30	FAIL	NH
PCB 132/168	Total	ND	1	0.094	0.5	ng/wet g					0	30	PASS	
PCB 137	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
PCB 138	Total	5.22	1	0.057	0.5	ng/wet g					11	30	PASS	
PCB 141	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
PCB 149	Total	1.19	1	0.092	0.5	ng/wet g					2	30	PASS	
PCB 151	Total	0.707	1	0.073	0.5	ng/wet g					29	30	PASS	
PCB 153	Total	9.11	1	0.065	0.5	ng/wet g					4	30	PASS	
PCB 156	Total	ND	1	0.089	0.5	ng/wet g					0	30	PASS	
PCB 157	Total	ND	1	0.103	0.5	ng/wet g					0	30	PASS	
PCB 158	Total	ND	1	0.074	0.5	ng/wet g					0	30	PASS	
PCB 167	Total	0.21	1	0.049	0.5	ng/wet g					32	30	FAIL	J,SL
PCB 169	Total	ND	1	0.116	0.5	ng/wet g					0	30	PASS	
PCB 170	Total	ND	1	0.118	0.5	ng/wet g					0	30	PASS	
PCB 174	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
PCB 177	Total	0.467	1	0.085	0.5	ng/wet g					35	30	FAIL	J,SL
PCB 180	Total	2.04	1	0.154	0.5	ng/wet g					3	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
PCB 183	Total	1.53	1	0.056	0.5	ng/wet g					29	30	PASS
PCB 187	Total	2.24	1	0.168	0.5	ng/wet g					17	30	PASS
PCB 189	Total	ND	1	0.109	0.5	ng/wet g					0	30	PASS
PCB 194	Total	ND	1	0.164	0.5	ng/wet g					0	30	PASS
PCB 195	Total	ND	1	0.093	0.5	ng/wet g					0	30	PASS
PCB 199	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
PCB 201	Total	ND	1	0.104	0.5	ng/wet g					0	30	PASS
PCB 203	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS
PCB 206	Total	ND	1	0.155	0.5	ng/wet g					0	30	PASS
PCB 209	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119199-MS1	**JS-NSDB-C1-HH Carcass**					**Matrix: Tissue**		**Sampled: 15-Sep-23**				**Received: 17-Jun-24**	
		Method: EPA 8270E				Batch ID: O-49060		Prepared: 13-Jan-25				Analyzed: 17-Jan-25	
PCB 003	Total	62	1	0.25	0.5	ng/wet g	50	0	124	50 - 150%		PASS	
PCB 005	Total	37	1	0.25	0.5	ng/wet g	50	0	74	50 - 150%		PASS	
PCB 008	Total	56.8	1	0.017	0.5	ng/wet g	50	0	114	50 - 150%		PASS	
PCB 015	Total	44.6	1	0.25	0.5	ng/wet g	50	0	89	50 - 150%		PASS	
PCB 018	Total	39	1	0.029	0.5	ng/wet g	50	0	78	50 - 150%		PASS	
PCB 027	Total	38.9	1	0.25	0.5	ng/wet g	50	0	78	50 - 150%		PASS	
PCB 028	Total	37.1	1	0.023	0.5	ng/wet g	50	0	74	50 - 150%		PASS	
PCB 029	Total	41.7	1	0.25	0.5	ng/wet g	50	0	83	50 - 150%		PASS	
PCB 031	Total	47.5	1	0.25	0.5	ng/wet g	50	0	95	50 - 150%		PASS	
PCB 033	Total	43.9	1	0.25	0.5	ng/wet g	50	0	88	50 - 150%		PASS	
PCB 037	Total	45.7	1	0.06	0.5	ng/wet g	50	0	91	50 - 150%		PASS	
PCB 044	Total	38.2	1	0.028	0.5	ng/wet g	50	0.203	76	50 - 150%		PASS	
PCB 049	Total	38.7	1	0.036	0.5	ng/wet g	50	0.46	77	50 - 150%		PASS	
PCB 052	Total	42.4	1	0.012	0.5	ng/wet g	50	0.831	85	50 - 150%		PASS	
PCB 056/60	Total	61.7	1	0.25	0.5	ng/wet g	100	0	123	50 - 150%		PASS	
PCB 066	Total	41.5	1	0.027	0.5	ng/wet g	50	0.713	83	50 - 150%		PASS	
PCB 070	Total	35.4	1	0.023	0.5	ng/wet g	50	0.339	71	50 - 150%		PASS	
PCB 074	Total	40.6	1	0.021	0.5	ng/wet g	50	0.405	81	50 - 150%		PASS	
PCB 077	Total	45.1	1	0.018	0.5	ng/wet g	50	0.169	90	50 - 150%		PASS	
PCB 081	Total	49.1	1	0.084	0.5	ng/wet g	50	0	98	50 - 150%		PASS	
PCB 087	Total	35.4	1	0.081	0.5	ng/wet g	50	0	71	50 - 150%		PASS	
PCB 095	Total	36.6	1	0.25	0.5	ng/wet g	50	0.724	72	50 - 150%		PASS	
PCB 097	Total	37.8	1	0.25	0.5	ng/wet g	50	0	76	50 - 150%		PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	40.7	1	0.028	0.5	ng/wet g	50	0	81	50 - 150%	PASS			
PCB 101	Total	42.9	1	0.027	0.5	ng/wet g	50	0	86	50 - 150%	PASS			
PCB 105	Total	60.6	1	0.047	0.5	ng/wet g	50	0.963	119	50 - 150%	PASS			
PCB 110	Total	38.6	1	0.074	0.5	ng/wet g	50	1.06	75	50 - 150%	PASS			
PCB 114	Total	38.8	1	0.072	0.5	ng/wet g	50	0	78	50 - 150%	PASS			
PCB 118	Total	42.2	1	0.069	0.5	ng/wet g	50	1.68	84	50 - 150%	PASS			
PCB 119	Total	31.7	1	0.071	0.5	ng/wet g	50	0	63	50 - 150%	PASS			
PCB 123	Total	38.4	1	0.018	0.5	ng/wet g	50	0	77	50 - 150%	PASS			
PCB 126	Total	82.5	1	0.086	0.5	ng/wet g	50	0	165	50 - 150%	FAIL			M
PCB 128	Total	73	1	0.081	0.5	ng/wet g	50	0.646	145	50 - 150%	FAIL			M
PCB 132/168	Total	107	1	0.094	0.5	ng/wet g	100	0	107	50 - 150%	PASS			
PCB 137	Total	53.2	1	0.25	0.5	ng/wet g	50	0	106	50 - 150%	PASS			
PCB 138	Total	95.8	1	0.057	0.5	ng/wet g	50	6.37	179	50 - 150%	FAIL			M
PCB 141	Total	53.6	1	0.25	0.5	ng/wet g	50	0	107	50 - 150%	PASS			
PCB 149	Total	35	1	0.092	0.5	ng/wet g	50	1.13	68	50 - 150%	PASS			
PCB 151	Total	36.3	1	0.073	0.5	ng/wet g	50	0.485	72	50 - 150%	PASS			
PCB 153	Total	99.4	1	0.065	0.5	ng/wet g	50	7.36	184	50 - 150%	FAIL			M
PCB 156	Total	73.7	1	0.089	0.5	ng/wet g	50	0.387	147	50 - 150%	PASS			
PCB 157	Total	56.8	1	0.103	0.5	ng/wet g	50	0	114	50 - 150%	PASS			
PCB 158	Total	59.9	1	0.074	0.5	ng/wet g	50	0	120	50 - 150%	PASS			
PCB 167	Total	59.2	1	0.049	0.5	ng/wet g	50	0	118	50 - 150%	PASS			
PCB 169	Total	73.5	1	0.116	0.5	ng/wet g	50	0	147	50 - 150%	PASS			
PCB 170	Total	50	1	0.118	0.5	ng/wet g	50	0	100	50 - 150%	PASS			
PCB 174	Total	53.9	1	0.25	0.5	ng/wet g	50	0.31	107	50 - 150%	PASS			
PCB 177	Total	59.6	1	0.085	0.5	ng/wet g	50	0.346	119	50 - 150%	PASS			
PCB 180	Total	75.6	1	0.154	0.5	ng/wet g	50	1.35	148	50 - 150%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 183	Total	60.9	1	0.056	0.5	ng/wet g	50	0.616	121	50 - 150%	PASS			
PCB 187	Total	62.3	1	0.168	0.5	ng/wet g	50	1.9	121	50 - 150%	PASS			
PCB 189	Total	67.5	1	0.109	0.5	ng/wet g	50	0	135	50 - 150%	PASS			
PCB 194	Total	52.3	1	0.164	0.5	ng/wet g	50	0.32	104	50 - 150%	PASS			
PCB 195	Total	57.8	1	0.093	0.5	ng/wet g	50	0	116	50 - 150%	PASS			
PCB 199	Total	49.5	1	0.25	0.5	ng/wet g	50	0	99	50 - 150%	PASS			
PCB 201	Total	46.2	1	0.104	0.5	ng/wet g	50	0.143	92	50 - 150%	PASS			
PCB 203	Total	53.7	1	0.25	0.5	ng/wet g	50	0	107	50 - 150%	PASS			
PCB 206	Total	64.4	1	0.155	0.5	ng/wet g	50	1.57	126	50 - 150%	PASS			
PCB 209	Total	41	1	0.25	0.5	ng/wet g	50	0	82	50 - 150%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119199-MS2	**JS-NSDB-C1-HH Carcass**					**Matrix: Tissue**		**Sampled: 15-Sep-23**					**Received: 17-Jun-24**		
		Method: EPA 8270E				Batch ID: O-49060		Prepared: 13-Jan-25					Analyzed: 17-Jan-25		
PCB 003	Total	57.7	1	0.25	0.5	ng/wet g	50	0	115	50 - 150%	PASS	7	30	PASS	
PCB 005	Total	34.9	1	0.25	0.5	ng/wet g	50	0	70	50 - 150%	PASS	6	30	PASS	
PCB 008	Total	45.8	1	0.017	0.5	ng/wet g	50	0	92	50 - 150%	PASS	21	30	PASS	
PCB 015	Total	45.4	1	0.25	0.5	ng/wet g	50	0	91	50 - 150%	PASS	2	30	PASS	
PCB 018	Total	39.8	1	0.029	0.5	ng/wet g	50	0	80	50 - 150%	PASS	3	30	PASS	
PCB 027	Total	34.8	1	0.25	0.5	ng/wet g	50	0	70	50 - 150%	PASS	11	30	PASS	
PCB 028	Total	35.2	1	0.023	0.5	ng/wet g	50	0	70	50 - 150%	PASS	6	30	PASS	
PCB 029	Total	37.5	1	0.25	0.5	ng/wet g	50	0	75	50 - 150%	PASS	10	30	PASS	
PCB 031	Total	41.3	1	0.25	0.5	ng/wet g	50	0	83	50 - 150%	PASS	13	30	PASS	
PCB 033	Total	38.5	1	0.25	0.5	ng/wet g	50	0	77	50 - 150%	PASS	13	30	PASS	
PCB 037	Total	37.6	1	0.06	0.5	ng/wet g	50	0	75	50 - 150%	PASS	19	30	PASS	
PCB 044	Total	30.4	1	0.028	0.5	ng/wet g	50	0.203	61	50 - 150%	PASS	22	30	PASS	
PCB 049	Total	33.7	1	0.036	0.5	ng/wet g	50	0.46	67	50 - 150%	PASS	14	30	PASS	
PCB 052	Total	35.5	1	0.012	0.5	ng/wet g	50	0.831	71	50 - 150%	PASS	18	30	PASS	
PCB 056/60	Total	54.6	1	0.25	0.5	ng/wet g	100	0	109	50 - 150%	PASS	12	30	PASS	
PCB 066	Total	36.4	1	0.027	0.5	ng/wet g	50	0.713	73	50 - 150%	PASS	13	30	PASS	
PCB 070	Total	29.3	1	0.023	0.5	ng/wet g	50	0.339	59	50 - 150%	PASS	18	30	PASS	
PCB 074	Total	35.7	1	0.021	0.5	ng/wet g	50	0.405	71	50 - 150%	PASS	13	30	PASS	
PCB 077	Total	36	1	0.018	0.5	ng/wet g	50	0.169	72	50 - 150%	PASS	22	30	PASS	
PCB 081	Total	40.4	1	0.084	0.5	ng/wet g	50	0	81	50 - 150%	PASS	19	30	PASS	
PCB 087	Total	31.5	1	0.081	0.5	ng/wet g	50	0	63	50 - 150%	PASS	12	30	PASS	
PCB 095	Total	31.6	1	0.25	0.5	ng/wet g	50	0.724	62	50 - 150%	PASS	15	30	PASS	
PCB 097	Total	30.4	1	0.25	0.5	ng/wet g	50	0	61	50 - 150%	PASS	22	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
PCB 099	Total	33.7	1	0.028	0.5	ng/wet g	50	0	67	50 - 150%	PASS	19	30	PASS	
PCB 101	Total	36.7	1	0.027	0.5	ng/wet g	50	0	73	50 - 150%	PASS	16	30	PASS	
PCB 105	Total	54.8	1	0.047	0.5	ng/wet g	50	0.963	108	50 - 150%	PASS	10	30	PASS	
PCB 110	Total	31.8	1	0.074	0.5	ng/wet g	50	1.06	61	50 - 150%	PASS	21	30	PASS	
PCB 114	Total	30.8	1	0.072	0.5	ng/wet g	50	0	62	50 - 150%	PASS	23	30	PASS	
PCB 118	Total	32.6	1	0.069	0.5	ng/wet g	50	1.68	65	50 - 150%	PASS	26	30	PASS	
PCB 119	Total	25.8	1	0.071	0.5	ng/wet g	50	0	52	50 - 150%	PASS	19	30	PASS	
PCB 123	Total	31.6	1	0.018	0.5	ng/wet g	50	0	63	50 - 150%	PASS	20	30	PASS	
PCB 126	Total	69	1	0.086	0.5	ng/wet g	50	0	138	50 - 150%	PASS	18	30	PASS	
PCB 128	Total	71.7	1	0.081	0.5	ng/wet g	50	0.646	142	50 - 150%	FAIL	2	30	PASS	M
PCB 132/168	Total	89.1	1	0.094	0.5	ng/wet g	100	0	89	50 - 150%	PASS	18	30	PASS	
PCB 137	Total	49.4	1	0.25	0.5	ng/wet g	50	0	99	50 - 150%	PASS	7	30	PASS	
PCB 138	Total	77.2	1	0.057	0.5	ng/wet g	50	6.37	142	50 - 150%	FAIL	23	30	PASS	M
PCB 141	Total	45.7	1	0.25	0.5	ng/wet g	50	0	91	50 - 150%	PASS	16	30	PASS	
PCB 149	Total	26	1	0.092	0.5	ng/wet g	50	1.13	50	50 - 150%	PASS	31	30	FAIL	M
PCB 151	Total	29.4	1	0.073	0.5	ng/wet g	50	0.485	58	50 - 150%	PASS	22	30	PASS	
PCB 153	Total	89.9	1	0.065	0.5	ng/wet g	50	7.36	165	50 - 150%	FAIL	11	30	PASS	M
PCB 156	Total	64.1	1	0.089	0.5	ng/wet g	50	0.387	127	50 - 150%	PASS	15	30	PASS	
PCB 157	Total	42.8	1	0.103	0.5	ng/wet g	50	0	86	50 - 150%	PASS	28	30	PASS	
PCB 158	Total	52.1	1	0.074	0.5	ng/wet g	50	0	104	50 - 150%	PASS	14	30	PASS	
PCB 167	Total	52.3	1	0.049	0.5	ng/wet g	50	0	105	50 - 150%	PASS	12	30	PASS	
PCB 169	Total	62.1	1	0.116	0.5	ng/wet g	50	0	124	50 - 150%	PASS	17	30	PASS	
PCB 170	Total	44.2	1	0.118	0.5	ng/wet g	50	0	88	50 - 150%	PASS	13	30	PASS	
PCB 174	Total	45.2	1	0.25	0.5	ng/wet g	50	0.31	90	50 - 150%	PASS	17	30	PASS	
PCB 177	Total	47.6	1	0.085	0.5	ng/wet g	50	0.346	95	50 - 150%	PASS	22	30	PASS	
PCB 180	Total	63.3	1	0.154	0.5	ng/wet g	50	1.35	124	50 - 150%	PASS	18	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
PCB 183	Total	44	1	0.056	0.5	ng/wet g	50	0.616	87	50 - 150%	PASS	33	30	FAIL	M
PCB 187	Total	52.9	1	0.168	0.5	ng/wet g	50	1.9	102	50 - 150%	PASS	17	30	PASS	
PCB 189	Total	52.5	1	0.109	0.5	ng/wet g	50	0	105	50 - 150%	PASS	25	30	PASS	
PCB 194	Total	29.3	1	0.164	0.5	ng/wet g	50	0.32	58	50 - 150%	PASS	57	30	FAIL	M
PCB 195	Total	55.1	1	0.093	0.5	ng/wet g	50	0	110	50 - 150%	PASS	5	30	PASS	
PCB 199	Total	35.5	1	0.25	0.5	ng/wet g	50	0	71	50 - 150%	PASS	33	30	FAIL	M
PCB 201	Total	37.3	1	0.104	0.5	ng/wet g	50	0.143	74	50 - 150%	PASS	22	30	PASS	
PCB 203	Total	44.7	1	0.25	0.5	ng/wet g	50	0	89	50 - 150%	PASS	18	30	PASS	
PCB 206	Total	35.1	1	0.155	0.5	ng/wet g	50	1.57	67	50 - 150%	PASS	60	30	FAIL	M
PCB 209	Total	33.5	1	0.25	0.5	ng/wet g	50	0	67	50 - 150%	PASS	20	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119199-R2	**JS-NSDB-C1-HH Carcass**					**Matrix: Tissue**		**Sampled: 15-Sep-23**				**Received: 17-Jun-24**	
	Method: EPA 8270E					Batch ID: O-49060		Prepared: 13-Jan-25				Analyzed: 17-Jan-25	
PCB 003	Total	ND	1	0.25	0.5	ng/wet g					33	30 FAIL	SL
PCB 005	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 008	Total	ND	1	0.017	0.5	ng/wet g					0	30 PASS	
PCB 015	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 018	Total	ND	1	0.029	0.5	ng/wet g					0	30 PASS	
PCB 027	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 028	Total	ND	1	0.023	0.5	ng/wet g					0	30 PASS	
PCB 029	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 031	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 033	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 037	Total	ND	1	0.06	0.5	ng/wet g					0	30 PASS	
PCB 044	Total	0.271	1	0.028	0.5	ng/wet g					29	30 PASS	J
PCB 049	Total	0.511	1	0.036	0.5	ng/wet g					11	30 PASS	
PCB 052	Total	0.868	1	0.012	0.5	ng/wet g					4	30 PASS	
PCB 056/60	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 066	Total	1.31	1	0.027	0.5	ng/wet g					59	30 FAIL	NH
PCB 070	Total	0.209	1	0.023	0.5	ng/wet g					47	30 FAIL	J,SL
PCB 074	Total	0.476	1	0.021	0.5	ng/wet g					16	30 PASS	J
PCB 077	Total	0.37	1	0.018	0.5	ng/wet g					75	30 FAIL	J,SL
PCB 081	Total	ND	1	0.084	0.5	ng/wet g					0	30 PASS	
PCB 087	Total	ND	1	0.081	0.5	ng/wet g					0	30 PASS	
PCB 095	Total	0.826	1	0.25	0.5	ng/wet g					13	30 PASS	
PCB 097	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	ND	1	0.028	0.5	ng/wet g					0	30 PASS	
PCB 101	Total	ND	1	0.027	0.5	ng/wet g					0	30 PASS	
PCB 105	Total	0.925	1	0.047	0.5	ng/wet g					4	30 PASS	
PCB 110	Total	1.19	1	0.074	0.5	ng/wet g					12	30 PASS	
PCB 114	Total	ND	1	0.072	0.5	ng/wet g					0	30 PASS	
PCB 118	Total	1.9	1	0.069	0.5	ng/wet g					12	30 PASS	
PCB 119	Total	ND	1	0.071	0.5	ng/wet g					0	30 PASS	
PCB 123	Total	ND	1	0.018	0.5	ng/wet g					0	30 PASS	
PCB 126	Total	ND	1	0.086	0.5	ng/wet g					0	30 PASS	
PCB 128	Total	1.08	1	0.081	0.5	ng/wet g					50	30 FAIL	NH
PCB 132/168	Total	ND	1	0.094	0.5	ng/wet g					0	30 PASS	
PCB 137	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 138	Total	6.16	1	0.057	0.5	ng/wet g					3	30 PASS	
PCB 141	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 149	Total	1.59	1	0.092	0.5	ng/wet g					34	30 FAIL	NH
PCB 151	Total	0.579	1	0.073	0.5	ng/wet g					18	30 PASS	
PCB 153	Total	8.71	1	0.065	0.5	ng/wet g					17	30 PASS	
PCB 156	Total	0.327	1	0.089	0.5	ng/wet g					17	30 PASS	J
PCB 157	Total	ND	1	0.103	0.5	ng/wet g					0	30 PASS	
PCB 158	Total	ND	1	0.074	0.5	ng/wet g					0	30 PASS	
PCB 167	Total	ND	1	0.049	0.5	ng/wet g					0	30 PASS	
PCB 169	Total	ND	1	0.116	0.5	ng/wet g					0	30 PASS	
PCB 170	Total	ND	1	0.118	0.5	ng/wet g					0	30 PASS	
PCB 174	Total	0.303	1	0.25	0.5	ng/wet g					2	30 PASS	J
PCB 177	Total	0.398	1	0.085	0.5	ng/wet g					14	30 PASS	J
PCB 180	Total	1.86	1	0.154	0.5	ng/wet g					32	30 FAIL	NH

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS		QA CODEc
PCB 183	Total	0.367	1	0.056	0.5	ng/wet g					51	30	FAIL	J,SL
PCB 187	Total	2.88	1	0.168	0.5	ng/wet g					41	30	FAIL	NH
PCB 189	Total	ND	1	0.109	0.5	ng/wet g					0	30	PASS	
PCB 194	Total	0.248	1	0.164	0.5	ng/wet g					25	30	PASS	J
PCB 195	Total	ND	1	0.093	0.5	ng/wet g					0	30	PASS	
PCB 199	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
PCB 201	Total	ND	1	0.104	0.5	ng/wet g					32	30	FAIL	SL
PCB 203	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
PCB 206	Total	0.971	1	0.155	0.5	ng/wet g					47	30	FAIL	NH
PCB 209	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119216-MS1	**SSB-SSDB-C3-HH Skin-off Fillets**					**Matrix: Tissue**		**Sampled: 29-Jan-24**				**Received: 17-Jun-24**	
		Method: EPA 8270E				Batch ID: O-49062		Prepared: 14-Jan-25				Analyzed: 19-Jan-25	
PCB 003	Total	44.7	1	0.25	0.5	ng/wet g	50	0	89	50 - 150%			PASS
PCB 005	Total	41.6	1	0.25	0.5	ng/wet g	50	0	83	50 - 150%			PASS
PCB 008	Total	54.7	1	0.017	0.5	ng/wet g	50	0	109	50 - 150%			PASS
PCB 015	Total	45	1	0.25	0.5	ng/wet g	50	0	90	50 - 150%			PASS
PCB 018	Total	39.9	1	0.029	0.5	ng/wet g	50	0	80	50 - 150%			PASS
PCB 027	Total	39.4	1	0.25	0.5	ng/wet g	50	0	79	50 - 150%			PASS
PCB 028	Total	41.3	1	0.023	0.5	ng/wet g	50	0	83	50 - 150%			PASS
PCB 029	Total	41.8	1	0.25	0.5	ng/wet g	50	0	84	50 - 150%			PASS
PCB 031	Total	39.6	1	0.25	0.5	ng/wet g	50	0	79	50 - 150%			PASS
PCB 033	Total	42.7	1	0.25	0.5	ng/wet g	50	0	85	50 - 150%			PASS
PCB 037	Total	41.9	1	0.06	0.5	ng/wet g	50	0	84	50 - 150%			PASS
PCB 044	Total	44.6	1	0.028	0.5	ng/wet g	50	0	89	50 - 150%			PASS
PCB 049	Total	43.4	1	0.036	0.5	ng/wet g	50	0.572	86	50 - 150%			PASS
PCB 052	Total	41.6	1	0.012	0.5	ng/wet g	50	0.437	82	50 - 150%			PASS
PCB 056/60	Total	82.8	1	0.25	0.5	ng/wet g	100	0	83	50 - 150%			PASS
PCB 066	Total	42.9	1	0.027	0.5	ng/wet g	50	0	86	50 - 150%			PASS
PCB 070	Total	46.5	1	0.023	0.5	ng/wet g	50	0.643	92	50 - 150%			PASS
PCB 074	Total	45	1	0.021	0.5	ng/wet g	50	0.168	90	50 - 150%			PASS
PCB 077	Total	46	1	0.018	0.5	ng/wet g	50	0	92	50 - 150%			PASS
PCB 081	Total	45.6	1	0.084	0.5	ng/wet g	50	0	91	50 - 150%			PASS
PCB 087	Total	46.2	1	0.081	0.5	ng/wet g	50	0.604	91	50 - 150%			PASS
PCB 095	Total	41.4	1	0.25	0.5	ng/wet g	50	0	83	50 - 150%			PASS
PCB 097	Total	42.1	1	0.25	0.5	ng/wet g	50	0	84	50 - 150%			PASS

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	58.1	1	0.028	0.5	ng/wet g	50	3.36	109	50 - 150%	PASS			
PCB 101	Total	49.3	1	0.027	0.5	ng/wet g	50	1.56	95	50 - 150%	PASS			
PCB 105	Total	62	1	0.047	0.5	ng/wet g	50	0.85	122	50 - 150%	PASS			
PCB 110	Total	42.4	1	0.074	0.5	ng/wet g	50	0.427	84	50 - 150%	PASS			
PCB 114	Total	46.8	1	0.072	0.5	ng/wet g	50	0	94	50 - 150%	PASS			
PCB 118	Total	56.2	1	0.069	0.5	ng/wet g	50	2.81	107	50 - 150%	PASS			
PCB 119	Total	44.2	1	0.071	0.5	ng/wet g	50	0	88	50 - 150%	PASS			
PCB 123	Total	45.1	1	0.018	0.5	ng/wet g	50	0	90	50 - 150%	PASS			
PCB 126	Total	49.2	1	0.086	0.5	ng/wet g	50	0	98	50 - 150%	PASS			
PCB 128	Total	46.9	1	0.081	0.5	ng/wet g	50	0.784	92	50 - 150%	PASS			
PCB 132/168	Total	107	1	0.094	0.5	ng/wet g	100	0	107	50 - 150%	PASS			
PCB 137	Total	61.6	1	0.25	0.5	ng/wet g	50	0	123	50 - 150%	PASS			
PCB 138	Total	87.1	1	0.057	0.5	ng/wet g	50	7.17	160	50 - 150%	PASS			Q
PCB 141	Total	53.3	1	0.25	0.5	ng/wet g	50	0	107	50 - 150%	PASS			
PCB 149	Total	40.4	1	0.092	0.5	ng/wet g	50	0.373	80	50 - 150%	PASS			
PCB 151	Total	43.8	1	0.073	0.5	ng/wet g	50	0	88	50 - 150%	PASS			
PCB 153	Total	45.1	1	0.065	0.5	ng/wet g	50	16.2	58	50 - 150%	PASS			
PCB 156	Total	48.6	1	0.089	0.5	ng/wet g	50	0.31	97	50 - 150%	PASS			
PCB 157	Total	39.9	1	0.103	0.5	ng/wet g	50	0	80	50 - 150%	PASS			
PCB 158	Total	43.6	1	0.074	0.5	ng/wet g	50	0.188	87	50 - 150%	PASS			
PCB 167	Total	47.2	1	0.049	0.5	ng/wet g	50	0	94	50 - 150%	PASS			
PCB 169	Total	50.8	1	0.116	0.5	ng/wet g	50	0	102	50 - 150%	PASS			
PCB 170	Total	51.8	1	0.118	0.5	ng/wet g	50	0.845	102	50 - 150%	PASS			
PCB 174	Total	48.9	1	0.25	0.5	ng/wet g	50	0	98	50 - 150%	PASS			
PCB 177	Total	45.3	1	0.085	0.5	ng/wet g	50	0	91	50 - 150%	PASS			
PCB 180	Total	40.9	1	0.154	0.5	ng/wet g	50	1.53	79	50 - 150%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 183	Total	41.9	1	0.056	0.5	ng/wet g	50	0.797	82	50 - 150%	PASS			
PCB 187	Total	44.5	1	0.168	0.5	ng/wet g	50	2.81	83	50 - 150%	PASS			
PCB 189	Total	43.7	1	0.109	0.5	ng/wet g	50	0	87	50 - 150%	PASS			
PCB 194	Total	48.9	1	0.164	0.5	ng/wet g	50	0.341	97	50 - 150%	PASS			
PCB 195	Total	45.9	1	0.093	0.5	ng/wet g	50	0	92	50 - 150%	PASS			
PCB 199	Total	45.4	1	0.25	0.5	ng/wet g	50	0	91	50 - 150%	PASS			
PCB 201	Total	53.3	1	0.104	0.5	ng/wet g	50	0	107	50 - 150%	PASS			
PCB 203	Total	38.9	1	0.25	0.5	ng/wet g	50	0	78	50 - 150%	PASS			
PCB 206	Total	47.3	1	0.155	0.5	ng/wet g	50	0	95	50 - 150%	PASS			
PCB 209	Total	62.1	1	0.25	0.5	ng/wet g	50	0	124	50 - 150%	PASS			

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119216-MS2	**SSB-SSDB-C3-HH Skin-off Fillets**					**Matrix: Tissue**		**Sampled: 29-Jan-24**				**Received: 17-Jun-24**			
		Method: EPA 8270E				Batch ID: O-49062		Prepared: 14-Jan-25				Analyzed: 19-Jan-25			
PCB 003	Total	42.5	1	0.25	0.5	ng/wet g	50	0	85	50 - 150%	PASS	5	30	PASS	
PCB 005	Total	43.4	1	0.25	0.5	ng/wet g	50	0	87	50 - 150%	PASS	5	30	PASS	
PCB 008	Total	51	1	0.017	0.5	ng/wet g	50	0	102	50 - 150%	PASS	7	30	PASS	
PCB 015	Total	44.5	1	0.25	0.5	ng/wet g	50	0	89	50 - 150%	PASS	1	30	PASS	
PCB 018	Total	40.5	1	0.029	0.5	ng/wet g	50	0	81	50 - 150%	PASS	1	30	PASS	
PCB 027	Total	39	1	0.25	0.5	ng/wet g	50	0	78	50 - 150%	PASS	1	30	PASS	
PCB 028	Total	39	1	0.023	0.5	ng/wet g	50	0	78	50 - 150%	PASS	6	30	PASS	
PCB 029	Total	38.5	1	0.25	0.5	ng/wet g	50	0	77	50 - 150%	PASS	9	30	PASS	
PCB 031	Total	39.5	1	0.25	0.5	ng/wet g	50	0	79	50 - 150%	PASS	0	30	PASS	
PCB 033	Total	40.6	1	0.25	0.5	ng/wet g	50	0	81	50 - 150%	PASS	5	30	PASS	
PCB 037	Total	41.2	1	0.06	0.5	ng/wet g	50	0	82	50 - 150%	PASS	2	30	PASS	
PCB 044	Total	39.6	1	0.028	0.5	ng/wet g	50	0	79	50 - 150%	PASS	12	30	PASS	
PCB 049	Total	40.7	1	0.036	0.5	ng/wet g	50	0.572	80	50 - 150%	PASS	7	30	PASS	
PCB 052	Total	39	1	0.012	0.5	ng/wet g	50	0.437	77	50 - 150%	PASS	6	30	PASS	
PCB 056/60	Total	74.6	1	0.25	0.5	ng/wet g	100	0	75	50 - 150%	PASS	10	30	PASS	
PCB 066	Total	40.7	1	0.027	0.5	ng/wet g	50	0	81	50 - 150%	PASS	6	30	PASS	
PCB 070	Total	41.9	1	0.023	0.5	ng/wet g	50	0.643	83	50 - 150%	PASS	10	30	PASS	
PCB 074	Total	39.2	1	0.021	0.5	ng/wet g	50	0.168	78	50 - 150%	PASS	14	30	PASS	
PCB 077	Total	39.8	1	0.018	0.5	ng/wet g	50	0	80	50 - 150%	PASS	14	30	PASS	
PCB 081	Total	39.6	1	0.084	0.5	ng/wet g	50	0	79	50 - 150%	PASS	14	30	PASS	
PCB 087	Total	39.3	1	0.081	0.5	ng/wet g	50	0.604	77	50 - 150%	PASS	17	30	PASS	
PCB 095	Total	40	1	0.25	0.5	ng/wet g	50	0	80	50 - 150%	PASS	4	30	PASS	
PCB 097	Total	39.5	1	0.25	0.5	ng/wet g	50	0	79	50 - 150%	PASS	6	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
PCB 099	Total	50.2	1	0.028	0.5	ng/wet g	50	3.36	94	50 - 150%	PASS	15	30	PASS
PCB 101	Total	44.5	1	0.027	0.5	ng/wet g	50	1.56	86	50 - 150%	PASS	10	30	PASS
PCB 105	Total	55.5	1	0.047	0.5	ng/wet g	50	0.85	109	50 - 150%	PASS	11	30	PASS
PCB 110	Total	39.3	1	0.074	0.5	ng/wet g	50	0.427	78	50 - 150%	PASS	7	30	PASS
PCB 114	Total	40.3	1	0.072	0.5	ng/wet g	50	0	81	50 - 150%	PASS	15	30	PASS
PCB 118	Total	47.4	1	0.069	0.5	ng/wet g	50	2.81	89	50 - 150%	PASS	18	30	PASS
PCB 119	Total	40	1	0.071	0.5	ng/wet g	50	0	80	50 - 150%	PASS	10	30	PASS
PCB 123	Total	34.9	1	0.018	0.5	ng/wet g	50	0	70	50 - 150%	PASS	25	30	PASS
PCB 126	Total	48	1	0.086	0.5	ng/wet g	50	0	96	50 - 150%	PASS	2	30	PASS
PCB 128	Total	46.2	1	0.081	0.5	ng/wet g	50	0.784	91	50 - 150%	PASS	1	30	PASS
PCB 132/168	Total	108	1	0.094	0.5	ng/wet g	100	0	108	50 - 150%	PASS	1	30	PASS
PCB 137	Total	55.8	1	0.25	0.5	ng/wet g	50	0	112	50 - 150%	PASS	9	30	PASS
PCB 138	Total	77.2	1	0.057	0.5	ng/wet g	50	7.17	140	50 - 150%	PASS	13	30	PASS
PCB 141	Total	54.9	1	0.25	0.5	ng/wet g	50	0	110	50 - 150%	PASS	3	30	PASS
PCB 149	Total	39.5	1	0.092	0.5	ng/wet g	50	0.373	78	50 - 150%	PASS	3	30	PASS
PCB 151	Total	38	1	0.073	0.5	ng/wet g	50	0	76	50 - 150%	PASS	15	30	PASS
PCB 153	Total	42.8	1	0.065	0.5	ng/wet g	50	16.2	53	50 - 150%	PASS	9	30	PASS
PCB 156	Total	43.8	1	0.089	0.5	ng/wet g	50	0.31	87	50 - 150%	PASS	11	30	PASS
PCB 157	Total	46.4	1	0.103	0.5	ng/wet g	50	0	93	50 - 150%	PASS	15	30	PASS
PCB 158	Total	45.1	1	0.074	0.5	ng/wet g	50	0.188	90	50 - 150%	PASS	3	30	PASS
PCB 167	Total	41.4	1	0.049	0.5	ng/wet g	50	0	83	50 - 150%	PASS	12	30	PASS
PCB 169	Total	45.3	1	0.116	0.5	ng/wet g	50	0	91	50 - 150%	PASS	11	30	PASS
PCB 170	Total	49	1	0.118	0.5	ng/wet g	50	0.845	96	50 - 150%	PASS	6	30	PASS
PCB 174	Total	47.2	1	0.25	0.5	ng/wet g	50	0	94	50 - 150%	PASS	4	30	PASS
PCB 177	Total	47.5	1	0.085	0.5	ng/wet g	50	0	95	50 - 150%	PASS	4	30	PASS
PCB 180	Total	46.1	1	0.154	0.5	ng/wet g	50	1.53	89	50 - 150%	PASS	12	30	PASS

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
PCB 183	Total	47.5	1	0.056	0.5	ng/wet g	50	0.797	93	50 - 150%	PASS	13	30	PASS	
PCB 187	Total	43.3	1	0.168	0.5	ng/wet g	50	2.81	81	50 - 150%	PASS	2	30	PASS	
PCB 189	Total	49.9	1	0.109	0.5	ng/wet g	50	0	100	50 - 150%	PASS	14	30	PASS	
PCB 194	Total	49.5	1	0.164	0.5	ng/wet g	50	0.341	98	50 - 150%	PASS	1	30	PASS	
PCB 195	Total	52.8	1	0.093	0.5	ng/wet g	50	0	106	50 - 150%	PASS	14	30	PASS	
PCB 199	Total	41.7	1	0.25	0.5	ng/wet g	50	0	83	50 - 150%	PASS	9	30	PASS	
PCB 201	Total	46.8	1	0.104	0.5	ng/wet g	50	0	94	50 - 150%	PASS	13	30	PASS	
PCB 203	Total	39.3	1	0.25	0.5	ng/wet g	50	0	79	50 - 150%	PASS	1	30	PASS	
PCB 206	Total	51.1	1	0.155	0.5	ng/wet g	50	0	102	50 - 150%	PASS	7	30	PASS	
PCB 209	Total	60.5	1	0.25	0.5	ng/wet g	50	0	121	50 - 150%	PASS	2	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119216-R2	**SSB-SSDB-C3-HH Skin-off Fillets**					**Matrix: Tissue**		**Sampled: 29-Jan-24**			**Received: 17-Jun-24**		
		Method: EPA 8270E				Batch ID: O-49062		Prepared: 14-Jan-25			Analyzed: 19-Jan-25		
PCB 003	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 005	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 008	Total	ND	1	0.017	0.5	ng/wet g					0	30 PASS	
PCB 015	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 018	Total	ND	1	0.029	0.5	ng/wet g					0	30 PASS	
PCB 027	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 028	Total	ND	1	0.023	0.5	ng/wet g					0	30 PASS	
PCB 029	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 031	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 033	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 037	Total	ND	1	0.06	0.5	ng/wet g					0	30 PASS	
PCB 044	Total	ND	1	0.028	0.5	ng/wet g					0	30 PASS	
PCB 049	Total	0.616	1	0.036	0.5	ng/wet g					7	30 PASS	
PCB 052	Total	0.376	1	0.012	0.5	ng/wet g					15	30 PASS	J
PCB 056/60	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 066	Total	ND	1	0.027	0.5	ng/wet g					0	30 PASS	
PCB 070	Total	0.599	1	0.023	0.5	ng/wet g					7	30 PASS	
PCB 074	Total	0.231	1	0.021	0.5	ng/wet g					32	30 FAIL	J,SL
PCB 077	Total	ND	1	0.018	0.5	ng/wet g					0	30 PASS	
PCB 081	Total	ND	1	0.084	0.5	ng/wet g					0	30 PASS	
PCB 087	Total	0.633	1	0.081	0.5	ng/wet g					5	30 PASS	
PCB 095	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	
PCB 097	Total	ND	1	0.25	0.5	ng/wet g					0	30 PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS		QA CODEc
PCB 099	Total	4.13	1	0.028	0.5	ng/wet g					21	30	PASS	
PCB 101	Total	2.12	1	0.027	0.5	ng/wet g					30	30	PASS	
PCB 105	Total	0.956	1	0.047	0.5	ng/wet g					12	30	PASS	
PCB 110	Total	0.37	1	0.074	0.5	ng/wet g					14	30	PASS	J
PCB 114	Total	ND	1	0.072	0.5	ng/wet g					0	30	PASS	
PCB 118	Total	2.85	1	0.069	0.5	ng/wet g					1	30	PASS	
PCB 119	Total	ND	1	0.071	0.5	ng/wet g					0	30	PASS	
PCB 123	Total	ND	1	0.018	0.5	ng/wet g					0	30	PASS	
PCB 126	Total	ND	1	0.086	0.5	ng/wet g					0	30	PASS	
PCB 128	Total	1.1	1	0.081	0.5	ng/wet g					34	30	FAIL	NH
PCB 132/168	Total	ND	1	0.094	0.5	ng/wet g					0	30	PASS	
PCB 137	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
PCB 138	Total	8.26	1	0.057	0.5	ng/wet g					14	30	PASS	
PCB 141	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
PCB 149	Total	0.863	1	0.092	0.5	ng/wet g					79	30	FAIL	NH
PCB 151	Total	0.202	1	0.073	0.5	ng/wet g					94	30	FAIL	J,SL
PCB 153	Total	19.1	1	0.065	0.5	ng/wet g					16	30	PASS	
PCB 156	Total	0.22	1	0.089	0.5	ng/wet g					34	30	FAIL	J,SL
PCB 157	Total	ND	1	0.103	0.5	ng/wet g					0	30	PASS	
PCB 158	Total	0.19	1	0.074	0.5	ng/wet g					1	30	PASS	J
PCB 167	Total	ND	1	0.049	0.5	ng/wet g					0	30	PASS	
PCB 169	Total	ND	1	0.116	0.5	ng/wet g					0	30	PASS	
PCB 170	Total	1.17	1	0.118	0.5	ng/wet g					32	30	FAIL	NH
PCB 174	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
PCB 177	Total	ND	1	0.085	0.5	ng/wet g					0	30	PASS	
PCB 180	Total	1.13	1	0.154	0.5	ng/wet g					30	30	PASS	

PCB Congeners

QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS		QA CODEc
PCB 183	Total	0.952	1	0.056	0.5	ng/wet g					18	30	PASS	
PCB 187	Total	3.42	1	0.168	0.5	ng/wet g					20	30	PASS	
PCB 189	Total	ND	1	0.109	0.5	ng/wet g					0	30	PASS	
PCB 194	Total	0.466	1	0.164	0.5	ng/wet g					31	30	FAIL	J,SL
PCB 195	Total	ND	1	0.093	0.5	ng/wet g					0	30	PASS	
PCB 199	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
PCB 201	Total	ND	1	0.104	0.5	ng/wet g					0	30	PASS	
PCB 203	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	
PCB 206	Total	ND	1	0.155	0.5	ng/wet g					0	30	PASS	
PCB 209	Total	ND	1	0.25	0.5	ng/wet g					0	30	PASS	

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119141-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
		Method: EPA 8270E				Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 13-Jan-25	
(d10-Acenaphthene)	Total	65	1			% Recovery	100	65	27 - 133%	PASS			
(d10-Phenanthrene)	Total	90	1			% Recovery	100	90	43 - 129%	PASS			
(d12-Chrysene)	Total	80	1			% Recovery	100	80	52 - 144%	PASS			
(d12-Perylene)	Total	78	1			% Recovery	100	78	36 - 161%	PASS			
(d8-Naphthalene)	Total	66	1			% Recovery	100	66	25 - 125%	PASS			
1-Methylnaphthalene	Total	ND	1	1	5	ng/wet g							
1-Methylphenanthrene	Total	ND	1	1	5	ng/wet g							
2,3,5-Trimethylnaphthalene	Total	ND	1	1	5	ng/wet g							
2,6-Dimethylnaphthalene	Total	ND	1	1	5	ng/wet g							
2-Methylnaphthalene	Total	ND	1	1	5	ng/wet g							
Acenaphthene	Total	ND	1	1	5	ng/wet g							
Acenaphthylene	Total	ND	1	1	5	ng/wet g							
Anthracene	Total	ND	1	1	5	ng/wet g							
Benz[a]anthracene	Total	ND	1	1	5	ng/wet g							
Benzo[a]pyrene	Total	ND	1	1	5	ng/wet g							
Benzo[b]fluoranthene	Total	ND	1	1	5	ng/wet g							
Benzo[e]pyrene	Total	ND	1	1	5	ng/wet g							
Benzo[g,h,i]perylene	Total	ND	1	1	5	ng/wet g							
Benzo[k]fluoranthene	Total	ND	1	1	5	ng/wet g							
Biphenyl	Total	ND	1	1	5	ng/wet g							
Chrysene	Total	ND	1	1	5	ng/wet g							
Dibenz[a,h]anthracene	Total	ND	1	1	5	ng/wet g							
Dibenzothiophene	Total	ND	1	1	5	ng/wet g							

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	ND	1	1	5	ng/wet g							
Fluorene	Total	ND	1	1	5	ng/wet g							
Indeno[1,2,3-cd]pyrene	Total	ND	1	1	5	ng/wet g							
Naphthalene	Total	ND	1	1	5	ng/wet g							
Perylene	Total	ND	1	1	5	ng/wet g							
Phenanthrene	Total	ND	1	1	5	ng/wet g							
Pyrene	Total	ND	1	1	5	ng/wet g							

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119141-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: EPA 8270E					Batch ID: O-49056			Prepared: 09-Jan-25			Analyzed: 13-Jan-25	
(d10-Acenaphthene)	Total	72	1			% Recovery	100	0	72	27 - 133%		PASS	
(d10-Phenanthrene)	Total	93	1			% Recovery	100	0	93	43 - 129%		PASS	
(d12-Chrysene)	Total	72	1			% Recovery	100	0	72	52 - 144%		PASS	
(d12-Perylene)	Total	74	1			% Recovery	100	0	74	36 - 161%		PASS	
(d8-Naphthalene)	Total	77	1			% Recovery	100	0	77	25 - 125%		PASS	
1-Methylnaphthalene	Total	310	1	1	5	ng/wet g	500	0	62	60 - 140%		PASS	
1-Methylphenanthrene	Total	607	1	1	5	ng/wet g	500	0	121	60 - 140%		PASS	
2,3,5-Trimethylnaphthalene	Total	392	1	1	5	ng/wet g	500	0	78	60 - 140%		PASS	
2,6-Dimethylnaphthalene	Total	351	1	1	5	ng/wet g	500	0	70	60 - 140%		PASS	
2-Methylnaphthalene	Total	304	1	1	5	ng/wet g	500	0	61	60 - 140%		PASS	
Acenaphthene	Total	352	1	1	5	ng/wet g	500	0	70	60 - 140%		PASS	
Acenaphthylene	Total	313	1	1	5	ng/wet g	500	0	63	60 - 140%		PASS	
Anthracene	Total	421	1	1	5	ng/wet g	500	0	84	60 - 140%		PASS	
Benz[a]anthracene	Total	525	1	1	5	ng/wet g	500	0	105	60 - 140%		PASS	
Benzo[a]pyrene	Total	483	1	1	5	ng/wet g	500	0	97	60 - 140%		PASS	
Benzo[b]fluoranthene	Total	427	1	1	5	ng/wet g	500	0	85	60 - 140%		PASS	
Benzo[e]pyrene	Total	464	1	1	5	ng/wet g	500	0	93	60 - 140%		PASS	
Benzo[g,h,i]perylene	Total	405	1	1	5	ng/wet g	500	0	81	60 - 140%		PASS	
Benzo[k]fluoranthene	Total	507	1	1	5	ng/wet g	500	0	101	60 - 140%		PASS	
Biphenyl	Total	348	1	1	5	ng/wet g	500	0	70	60 - 140%		PASS	
Chrysene	Total	352	1	1	5	ng/wet g	500	0	70	60 - 140%		PASS	
Dibenz[a,h]anthracene	Total	574	1	1	5	ng/wet g	500	0	115	60 - 140%		PASS	
Dibenzothiophene	Total	362	1	1	5	ng/wet g	500	0	72	60 - 140%		PASS	

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	574	1	1	5	ng/wet g	500	0	115	60 - 140%	PASS			
Fluorene	Total	363	1	1	5	ng/wet g	500	0	73	60 - 140%	PASS			
Indeno[1,2,3-cd]pyrene	Total	530	1	1	5	ng/wet g	500	0	106	60 - 140%	PASS			
Naphthalene	Total	259	1	1	5	ng/wet g	500	0	52	60 - 140%	FAIL			Q
Perylene	Total	471	1	1	5	ng/wet g	500	0	94	60 - 140%	PASS			
Phenanthrene	Total	445	1	1	5	ng/wet g	500	0	89	60 - 140%	PASS			
Pyrene	Total	584	1	1	5	ng/wet g	500	0	117	60 - 140%	PASS			

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119141-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**				**Received:**		
		Method: EPA 8270E				Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 13-Jan-25		
(d10-Acenaphthene)	Total	83	1			% Recovery	100	0	83	27 - 133%	PASS	14	30	PASS
(d10-Phenanthrene)	Total	103	1			% Recovery	100	0	103	43 - 129%	PASS	10	30	PASS
(d12-Chrysene)	Total	84	1			% Recovery	100	0	84	52 - 144%	PASS	15	30	PASS
(d12-Perylene)	Total	72	1			% Recovery	100	0	72	36 - 161%	PASS	3	30	PASS
(d8-Naphthalene)	Total	79	1			% Recovery	100	0	79	25 - 125%	PASS	3	30	PASS
1-Methylnaphthalene	Total	344	1	1	5	ng/wet g	500	0	69	60 - 140%	PASS	11	30	PASS
1-Methylphenanthrene	Total	608	1	1	5	ng/wet g	500	0	122	60 - 140%	PASS	1	30	PASS
2,3,5-Trimethylnaphthalene	Total	448	1	1	5	ng/wet g	500	0	90	60 - 140%	PASS	14	30	PASS
2,6-Dimethylnaphthalene	Total	391	1	1	5	ng/wet g	500	0	78	60 - 140%	PASS	11	30	PASS
2-Methylnaphthalene	Total	335	1	1	5	ng/wet g	500	0	67	60 - 140%	PASS	9	30	PASS
Acenaphthene	Total	396	1	1	5	ng/wet g	500	0	79	60 - 140%	PASS	12	30	PASS
Acenaphthylene	Total	364	1	1	5	ng/wet g	500	0	73	60 - 140%	PASS	15	30	PASS
Anthracene	Total	466	1	1	5	ng/wet g	500	0	93	60 - 140%	PASS	10	30	PASS
Benz[a]anthracene	Total	494	1	1	5	ng/wet g	500	0	99	60 - 140%	PASS	6	30	PASS
Benzo[a]pyrene	Total	435	1	1	5	ng/wet g	500	0	87	60 - 140%	PASS	11	30	PASS
Benzo[b]fluoranthene	Total	479	1	1	5	ng/wet g	500	0	96	60 - 140%	PASS	12	30	PASS
Benzo[e]pyrene	Total	493	1	1	5	ng/wet g	500	0	99	60 - 140%	PASS	6	30	PASS
Benzo[g,h,i]perylene	Total	355	1	1	5	ng/wet g	500	0	71	60 - 140%	PASS	13	30	PASS
Benzo[k]fluoranthene	Total	495	1	1	5	ng/wet g	500	0	99	60 - 140%	PASS	2	30	PASS
Biphenyl	Total	385	1	1	5	ng/wet g	500	0	77	60 - 140%	PASS	10	30	PASS
Chrysene	Total	377	1	1	5	ng/wet g	500	0	75	60 - 140%	PASS	7	30	PASS
Dibenz[a,h]anthracene	Total	635	1	1	5	ng/wet g	500	0	127	60 - 140%	PASS	10	30	PASS
Dibenzothiophene	Total	459	1	1	5	ng/wet g	500	0	92	60 - 140%	PASS	24	30	PASS

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Fluoranthene	Total	590	1	1	5	ng/wet g	500	0	118	60 - 140%	PASS	3	30	PASS	
Fluorene	Total	419	1	1	5	ng/wet g	500	0	84	60 - 140%	PASS	14	30	PASS	
Indeno[1,2,3-cd]pyrene	Total	575	1	1	5	ng/wet g	500	0	115	60 - 140%	PASS	8	30	PASS	
Naphthalene	Total	267	1	1	5	ng/wet g	500	0	53	60 - 140%	FAIL	2	30	PASS	Q
Perylene	Total	422	1	1	5	ng/wet g	500	0	84	60 - 140%	PASS	11	30	PASS	
Phenanthrene	Total	481	1	1	5	ng/wet g	500	0	96	60 - 140%	PASS	8	30	PASS	
Pyrene	Total	598	1	1	5	ng/wet g	500	0	120	60 - 140%	PASS	3	30	PASS	

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119142-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
		Method: EPA 8270E				Batch ID: O-49058		Prepared: 12-Jan-25				Analyzed: 15-Jan-25	
(d10-Acenaphthene)	Total	62	1			% Recovery	100	62	27 - 133%	PASS			
(d10-Phenanthrene)	Total	77	1			% Recovery	100	77	43 - 129%	PASS			
(d12-Chrysene)	Total	93	1			% Recovery	100	93	52 - 144%	PASS			
(d12-Perylene)	Total	71	1			% Recovery	100	71	36 - 161%	PASS			
(d8-Naphthalene)	Total	48	1			% Recovery	100	48	25 - 125%	PASS			
1-Methylnaphthalene	Total	ND	1	1	5	ng/wet g							
1-Methylphenanthrene	Total	ND	1	1	5	ng/wet g							
2,3,5-Trimethylnaphthalene	Total	ND	1	1	5	ng/wet g							
2,6-Dimethylnaphthalene	Total	ND	1	1	5	ng/wet g							
2-Methylnaphthalene	Total	ND	1	1	5	ng/wet g							
Acenaphthene	Total	ND	1	1	5	ng/wet g							
Acenaphthylene	Total	ND	1	1	5	ng/wet g							
Anthracene	Total	ND	1	1	5	ng/wet g							
Benz[a]anthracene	Total	ND	1	1	5	ng/wet g							
Benzo[a]pyrene	Total	ND	1	1	5	ng/wet g							
Benzo[b]fluoranthene	Total	ND	1	1	5	ng/wet g							
Benzo[e]pyrene	Total	ND	1	1	5	ng/wet g							
Benzo[g,h,i]perylene	Total	ND	1	1	5	ng/wet g							
Benzo[k]fluoranthene	Total	ND	1	1	5	ng/wet g							
Biphenyl	Total	ND	1	1	5	ng/wet g							
Chrysene	Total	ND	1	1	5	ng/wet g							
Dibenz[a,h]anthracene	Total	ND	1	1	5	ng/wet g							
Dibenzothiophene	Total	ND	1	1	5	ng/wet g							

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	ND	1	1	5	ng/wet g							
Fluorene	Total	ND	1	1	5	ng/wet g							
Indeno[1,2,3-cd]pyrene	Total	ND	1	1	5	ng/wet g							
Naphthalene	Total	ND	1	1	5	ng/wet g							
Perylene	Total	ND	1	1	5	ng/wet g							
Phenanthrene	Total	ND	1	1	5	ng/wet g							
Pyrene	Total	ND	1	1	5	ng/wet g							

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PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119142-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**				**Received:**	
	Method: EPA 8270E					Batch ID: O-49058		Prepared: 12-Jan-25				Analyzed: 15-Jan-25	
(d10-Acenaphthene)	Total	81	1			% Recovery	100	0	81	27 - 133%	PASS		
(d10-Phenanthrene)	Total	97	1			% Recovery	100	0	97	43 - 129%	PASS		
(d12-Chrysene)	Total	101	1			% Recovery	100	0	101	52 - 144%	PASS		
(d12-Perylene)	Total	112	1			% Recovery	100	0	112	36 - 161%	PASS		
(d8-Naphthalene)	Total	62	1			% Recovery	100	0	62	25 - 125%	PASS		
1-Methylnaphthalene	Total	330	1	1	5	ng/wet g	500	0	66	60 - 140%	PASS		
1-Methylphenanthrene	Total	538	1	1	5	ng/wet g	500	0	108	60 - 140%	PASS		
2,3,5-Trimethylnaphthalene	Total	414	1	1	5	ng/wet g	500	0	83	60 - 140%	PASS		
2,6-Dimethylnaphthalene	Total	364	1	1	5	ng/wet g	500	0	73	60 - 140%	PASS		
2-Methylnaphthalene	Total	318	1	1	5	ng/wet g	500	0	64	60 - 140%	PASS		
Acenaphthene	Total	379	1	1	5	ng/wet g	500	0	76	60 - 140%	PASS		
Acenaphthylene	Total	373	1	1	5	ng/wet g	500	0	75	60 - 140%	PASS		
Anthracene	Total	436	1	1	5	ng/wet g	500	0	87	60 - 140%	PASS		
Benz[a]anthracene	Total	468	1	1	5	ng/wet g	500	0	94	60 - 140%	PASS		
Benzo[a]pyrene	Total	392	1	1	5	ng/wet g	500	0	78	60 - 140%	PASS		
Benzo[b]fluoranthene	Total	464	1	1	5	ng/wet g	500	0	93	60 - 140%	PASS		
Benzo[e]pyrene	Total	521	1	1	5	ng/wet g	500	0	104	60 - 140%	PASS		
Benzo[g,h,i]perylene	Total	441	1	1	5	ng/wet g	500	0	88	60 - 140%	PASS		
Benzo[k]fluoranthene	Total	449	1	1	5	ng/wet g	500	0	90	60 - 140%	PASS		
Biphenyl	Total	355	1	1	5	ng/wet g	500	0	71	60 - 140%	PASS		
Chrysene	Total	454	1	1	5	ng/wet g	500	0	91	60 - 140%	PASS		
Dibenz[a,h]anthracene	Total	285	1	1	5	ng/wet g	500	0	57	60 - 140%	FAIL		Q
Dibenzothiophene	Total	345	1	1	5	ng/wet g	500	0	69	60 - 140%	PASS		

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Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	540	1	1	5	ng/wet g	500	0	108	60 - 140%	PASS			
Fluorene	Total	405	1	1	5	ng/wet g	500	0	81	60 - 140%	PASS			
Indeno[1,2,3-cd]pyrene	Total	334	1	1	5	ng/wet g	500	0	67	60 - 140%	PASS			
Naphthalene	Total	275	1	1	5	ng/wet g	500	0	55	60 - 140%	FAIL			Q
Perylene	Total	366	1	1	5	ng/wet g	500	0	73	60 - 140%	PASS			
Phenanthrene	Total	469	1	1	5	ng/wet g	500	0	94	60 - 140%	PASS			
Pyrene	Total	551	1	1	5	ng/wet g	500	0	110	60 - 140%	PASS			

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119142-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**				**Received:**		
	Method: EPA 8270E					Batch ID: O-49058		Prepared: 12-Jan-25				Analyzed: 15-Jan-25		
(d10-Acenaphthene)	Total	84	1			% Recovery	100	0	84	27 - 133%	PASS	4	30	PASS
(d10-Phenanthrene)	Total	97	1			% Recovery	100	0	97	43 - 129%	PASS	0	30	PASS
(d12-Chrysene)	Total	97	1			% Recovery	100	0	97	52 - 144%	PASS	4	30	PASS
(d12-Perylene)	Total	86	1			% Recovery	100	0	86	36 - 161%	PASS	26	30	PASS
(d8-Naphthalene)	Total	72	1			% Recovery	100	0	72	25 - 125%	PASS	15	30	PASS
1-Methylnaphthalene	Total	363	1	1	5	ng/wet g	500	0	73	60 - 140%	PASS	10	30	PASS
1-Methylphenanthrene	Total	524	1	1	5	ng/wet g	500	0	105	60 - 140%	PASS	3	30	PASS
2,3,5-Trimethylnaphthalene	Total	416	1	1	5	ng/wet g	500	0	83	60 - 140%	PASS	0	30	PASS
2,6-Dimethylnaphthalene	Total	377	1	1	5	ng/wet g	500	0	75	60 - 140%	PASS	3	30	PASS
2-Methylnaphthalene	Total	344	1	1	5	ng/wet g	500	0	69	60 - 140%	PASS	8	30	PASS
Acenaphthene	Total	394	1	1	5	ng/wet g	500	0	79	60 - 140%	PASS	4	30	PASS
Acenaphthylene	Total	381	1	1	5	ng/wet g	500	0	76	60 - 140%	PASS	1	30	PASS
Anthracene	Total	432	1	1	5	ng/wet g	500	0	86	60 - 140%	PASS	1	30	PASS
Benz[a]anthracene	Total	445	1	1	5	ng/wet g	500	0	89	60 - 140%	PASS	5	30	PASS
Benzo[a]pyrene	Total	413	1	1	5	ng/wet g	500	0	83	60 - 140%	PASS	6	30	PASS
Benzo[b]fluoranthene	Total	449	1	1	5	ng/wet g	500	0	90	60 - 140%	PASS	3	30	PASS
Benzo[e]pyrene	Total	503	1	1	5	ng/wet g	500	0	101	60 - 140%	PASS	3	30	PASS
Benzo[g,h,i]perylene	Total	438	1	1	5	ng/wet g	500	0	88	60 - 140%	PASS	0	30	PASS
Benzo[k]fluoranthene	Total	423	1	1	5	ng/wet g	500	0	85	60 - 140%	PASS	6	30	PASS
Biphenyl	Total	373	1	1	5	ng/wet g	500	0	75	60 - 140%	PASS	5	30	PASS
Chrysene	Total	433	1	1	5	ng/wet g	500	0	87	60 - 140%	PASS	4	30	PASS
Dibenz[a,h]anthracene	Total	309	1	1	5	ng/wet g	500	0	62	60 - 140%	PASS	8	30	PASS
Dibenzothiophene	Total	436	1	1	5	ng/wet g	500	0	87	60 - 140%	PASS	23	30	PASS

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	536	1	1	5	ng/wet g	500	0	107	60 - 140%	PASS	1	30	PASS
Fluorene	Total	407	1	1	5	ng/wet g	500	0	81	60 - 140%	PASS	0	30	PASS
Indeno[1,2,3-cd]pyrene	Total	344	1	1	5	ng/wet g	500	0	69	60 - 140%	PASS	3	30	PASS
Naphthalene	Total	313	1	1	5	ng/wet g	500	0	63	60 - 140%	PASS	14	30	PASS
Perylene	Total	394	1	1	5	ng/wet g	500	0	79	60 - 140%	PASS	8	30	PASS
Phenanthrene	Total	466	1	1	5	ng/wet g	500	0	93	60 - 140%	PASS	1	30	PASS
Pyrene	Total	548	1	1	5	ng/wet g	500	0	110	60 - 140%	PASS	0	30	PASS

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119143-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
		Method: EPA 8270E				Batch ID: O-49060			Prepared: 13-Jan-25			Analyzed: 16-Jan-25	
(d10-Acenaphthene)	Total	75	1			% Recovery	100		75	27 - 133%			PASS
(d10-Phenanthrene)	Total	87	1			% Recovery	100		87	43 - 129%			PASS
(d12-Chrysene)	Total	100	1			% Recovery	100		100	52 - 144%			PASS
(d12-Perylene)	Total	64	1			% Recovery	100		64	36 - 161%			PASS
(d8-Naphthalene)	Total	65	1			% Recovery	100		65	25 - 125%			PASS
1-Methylnaphthalene	Total	ND	1	1	5	ng/wet g							
1-Methylphenanthrene	Total	ND	1	1	5	ng/wet g							
2,3,5-Trimethylnaphthalene	Total	ND	1	1	5	ng/wet g							
2,6-Dimethylnaphthalene	Total	ND	1	1	5	ng/wet g							
2-Methylnaphthalene	Total	ND	1	1	5	ng/wet g							
Acenaphthene	Total	ND	1	1	5	ng/wet g							
Acenaphthylene	Total	ND	1	1	5	ng/wet g							
Anthracene	Total	ND	1	1	5	ng/wet g							
Benz[a]anthracene	Total	ND	1	1	5	ng/wet g							
Benzo[a]pyrene	Total	ND	1	1	5	ng/wet g							
Benzo[b]fluoranthene	Total	ND	1	1	5	ng/wet g							
Benzo[e]pyrene	Total	ND	1	1	5	ng/wet g							
Benzo[g,h,i]perylene	Total	ND	1	1	5	ng/wet g							
Benzo[k]fluoranthene	Total	ND	1	1	5	ng/wet g							
Biphenyl	Total	ND	1	1	5	ng/wet g							
Chrysene	Total	ND	1	1	5	ng/wet g							
Dibenz[a,h]anthracene	Total	ND	1	1	5	ng/wet g							
Dibenzothiophene	Total	ND	1	1	5	ng/wet g							

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	ND	1	1	5	ng/wet g							
Fluorene	Total	ND	1	1	5	ng/wet g							
Indeno[1,2,3-cd]pyrene	Total	ND	1	1	5	ng/wet g							
Naphthalene	Total	ND	1	1	5	ng/wet g							
Perylene	Total	ND	1	1	5	ng/wet g							
Phenanthrene	Total	ND	1	1	5	ng/wet g							
Pyrene	Total	ND	1	1	5	ng/wet g							

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Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119143-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: EPA 8270E					Batch ID: O-49060			Prepared: 13-Jan-25			Analyzed: 16-Jan-25	
(d10-Acenaphthene)	Total	83	1			% Recovery	100	0	83	27 - 133%			PASS
(d10-Phenanthrene)	Total	95	1			% Recovery	100	0	95	43 - 129%			PASS
(d12-Chrysene)	Total	103	1			% Recovery	100	0	103	52 - 144%			PASS
(d12-Perylene)	Total	53	1			% Recovery	100	0	53	36 - 161%			PASS
(d8-Naphthalene)	Total	69	1			% Recovery	100	0	69	25 - 125%			PASS
1-Methylnaphthalene	Total	410	1	1	5	ng/wet g	500	0	82	60 - 140%			PASS
1-Methylphenanthrene	Total	626	1	1	5	ng/wet g	500	0	125	60 - 140%			PASS
2,3,5-Trimethylnaphthalene	Total	502	1	1	5	ng/wet g	500	0	100	60 - 140%			PASS
2,6-Dimethylnaphthalene	Total	470	1	1	5	ng/wet g	500	0	94	60 - 140%			PASS
2-Methylnaphthalene	Total	421	1	1	5	ng/wet g	500	0	84	60 - 140%			PASS
Acenaphthene	Total	441	1	1	5	ng/wet g	500	0	88	60 - 140%			PASS
Acenaphthylene	Total	433	1	1	5	ng/wet g	500	0	87	60 - 140%			PASS
Anthracene	Total	505	1	1	5	ng/wet g	500	0	101	60 - 140%			PASS
Benz[a]anthracene	Total	674	1	1	5	ng/wet g	500	0	135	60 - 140%			PASS
Benzo[a]pyrene	Total	445	1	1	5	ng/wet g	500	0	89	60 - 140%			PASS
Benzo[b]fluoranthene	Total	694	1	1	5	ng/wet g	500	0	139	60 - 140%			PASS
Benzo[e]pyrene	Total	538	1	1	5	ng/wet g	500	0	108	60 - 140%			PASS
Benzo[g,h,i]perylene	Total	496	1	1	5	ng/wet g	500	0	99	60 - 140%			PASS
Benzo[k]fluoranthene	Total	536	1	1	5	ng/wet g	500	0	107	60 - 140%			PASS
Biphenyl	Total	445	1	1	5	ng/wet g	500	0	89	60 - 140%			PASS
Chrysene	Total	545	1	1	5	ng/wet g	500	0	109	60 - 140%			PASS
Dibenz[a,h]anthracene	Total	622	1	1	5	ng/wet g	500	0	124	60 - 140%			PASS
Dibenzothiophene	Total	525	1	1	5	ng/wet g	500	0	105	60 - 140%			PASS

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	619	1	1	5	ng/wet g	500	0	124	60 - 140%	PASS			
Fluorene	Total	479	1	1	5	ng/wet g	500	0	96	60 - 140%	PASS			
Indeno[1,2,3-cd]pyrene	Total	682	1	1	5	ng/wet g	500	0	136	60 - 140%	PASS			
Naphthalene	Total	375	1	1	5	ng/wet g	500	0	75	60 - 140%	PASS			
Perylene	Total	326	1	1	5	ng/wet g	500	0	65	60 - 140%	PASS			
Phenanthrene	Total	488	1	1	5	ng/wet g	500	0	98	60 - 140%	PASS			
Pyrene	Total	618	1	1	5	ng/wet g	500	0	124	60 - 140%	PASS			

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Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119143-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**				**Received:**		
	Method: EPA 8270E					Batch ID: O-49060		Prepared: 13-Jan-25				Analyzed: 17-Jan-25		
(d10-Acenaphthene)	Total	84	1			% Recovery	100	0	84	27 - 133%	PASS	1	30	PASS
(d10-Phenanthrene)	Total	97	1			% Recovery	100	0	97	43 - 129%	PASS	2	30	PASS
(d12-Chrysene)	Total	115	1			% Recovery	100	0	115	52 - 144%	PASS	11	30	PASS
(d12-Perylene)	Total	55	1			% Recovery	100	0	55	36 - 161%	PASS	4	30	PASS
(d8-Naphthalene)	Total	70	1			% Recovery	100	0	70	25 - 125%	PASS	1	30	PASS
1-Methylnaphthalene	Total	407	1	1	5	ng/wet g	500	0	81	60 - 140%	PASS	1	30	PASS
1-Methylphenanthrene	Total	616	1	1	5	ng/wet g	500	0	123	60 - 140%	PASS	2	30	PASS
2,3,5-Trimethylnaphthalene	Total	501	1	1	5	ng/wet g	500	0	100	60 - 140%	PASS	0	30	PASS
2,6-Dimethylnaphthalene	Total	472	1	1	5	ng/wet g	500	0	94	60 - 140%	PASS	0	30	PASS
2-Methylnaphthalene	Total	416	1	1	5	ng/wet g	500	0	83	60 - 140%	PASS	1	30	PASS
Acenaphthene	Total	441	1	1	5	ng/wet g	500	0	88	60 - 140%	PASS	0	30	PASS
Acenaphthylene	Total	434	1	1	5	ng/wet g	500	0	87	60 - 140%	PASS	0	30	PASS
Anthracene	Total	511	1	1	5	ng/wet g	500	0	102	60 - 140%	PASS	1	30	PASS
Benz[a]anthracene	Total	655	1	1	5	ng/wet g	500	0	131	60 - 140%	PASS	3	30	PASS
Benzo[a]pyrene	Total	437	1	1	5	ng/wet g	500	0	87	60 - 140%	PASS	2	30	PASS
Benzo[b]fluoranthene	Total	681	1	1	5	ng/wet g	500	0	136	60 - 140%	PASS	2	30	PASS
Benzo[e]pyrene	Total	541	1	1	5	ng/wet g	500	0	108	60 - 140%	PASS	0	30	PASS
Benzo[g,h,i]perylene	Total	513	1	1	5	ng/wet g	500	0	103	60 - 140%	PASS	4	30	PASS
Benzo[k]fluoranthene	Total	546	1	1	5	ng/wet g	500	0	109	60 - 140%	PASS	2	30	PASS
Biphenyl	Total	447	1	1	5	ng/wet g	500	0	89	60 - 140%	PASS	0	30	PASS
Chrysene	Total	586	1	1	5	ng/wet g	500	0	117	60 - 140%	PASS	7	30	PASS
Dibenz[a,h]anthracene	Total	653	1	1	5	ng/wet g	500	0	131	60 - 140%	PASS	5	30	PASS
Dibenzothiophene	Total	520	1	1	5	ng/wet g	500	0	104	60 - 140%	PASS	1	30	PASS

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Fluoranthene	Total	607	1	1	5	ng/wet g	500	0	121	60 - 140%	PASS	2	30	PASS	
Fluorene	Total	471	1	1	5	ng/wet g	500	0	94	60 - 140%	PASS	2	30	PASS	
Indeno[1,2,3-cd]pyrene	Total	695	1	1	5	ng/wet g	500	0	139	60 - 140%	PASS	2	30	PASS	
Naphthalene	Total	373	1	1	5	ng/wet g	500	0	75	60 - 140%	PASS	0	30	PASS	
Perylene	Total	354	1	1	5	ng/wet g	500	0	71	60 - 140%	PASS	9	30	PASS	
Phenanthrene	Total	484	1	1	5	ng/wet g	500	0	97	60 - 140%	PASS	1	30	PASS	
Pyrene	Total	610	1	1	5	ng/wet g	500	0	122	60 - 140%	PASS	2	30	PASS	

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119144-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
		Method: EPA 8270E				Batch ID: O-49062		Prepared: 14-Jan-25				Analyzed: 18-Jan-25	
(d10-Acenaphthene)	Total	73	1			% Recovery	100	73	27 - 133%	PASS			
(d10-Phenanthrene)	Total	85	1			% Recovery	100	85	43 - 129%	PASS			
(d12-Chrysene)	Total	88	1			% Recovery	100	88	52 - 144%	PASS			
(d12-Perylene)	Total	76	1			% Recovery	100	76	36 - 161%	PASS			
(d8-Naphthalene)	Total	62	1			% Recovery	100	62	25 - 125%	PASS			
1-Methylnaphthalene	Total	ND	1	1	5	ng/wet g							
1-Methylphenanthrene	Total	ND	1	1	5	ng/wet g							
2,3,5-Trimethylnaphthalene	Total	ND	1	1	5	ng/wet g							
2,6-Dimethylnaphthalene	Total	ND	1	1	5	ng/wet g							
2-Methylnaphthalene	Total	ND	1	1	5	ng/wet g							
Acenaphthene	Total	ND	1	1	5	ng/wet g							
Acenaphthylene	Total	ND	1	1	5	ng/wet g							
Anthracene	Total	ND	1	1	5	ng/wet g							
Benz[a]anthracene	Total	ND	1	1	5	ng/wet g							
Benzo[a]pyrene	Total	ND	1	1	5	ng/wet g							
Benzo[b]fluoranthene	Total	ND	1	1	5	ng/wet g							
Benzo[e]pyrene	Total	ND	1	1	5	ng/wet g							
Benzo[g,h,i]perylene	Total	ND	1	1	5	ng/wet g							
Benzo[k]fluoranthene	Total	ND	1	1	5	ng/wet g							
Biphenyl	Total	ND	1	1	5	ng/wet g							
Chrysene	Total	ND	1	1	5	ng/wet g							
Dibenz[a,h]anthracene	Total	ND	1	1	5	ng/wet g							
Dibenzothiophene	Total	ND	1	1	5	ng/wet g							

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	ND	1	1	5	ng/wet g							
Fluorene	Total	ND	1	1	5	ng/wet g							
Naphthalene	Total	ND	1	1	5	ng/wet g							
Perylene	Total	ND	1	1	5	ng/wet g							
Phenanthrene	Total	ND	1	1	5	ng/wet g							
Pyrene	Total	ND	1	1	5	ng/wet g							

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119144-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: EPA 8270E					Batch ID: O-49062		Prepared: 14-Jan-25				Analyzed: 18-Jan-25	
(d10-Acenaphthene)	Total	66	1			% Recovery	100	0	66	27 - 133%		PASS	
(d10-Phenanthrene)	Total	88	1			% Recovery	100	0	88	43 - 129%		PASS	
(d12-Chrysene)	Total	78	1			% Recovery	100	0	78	52 - 144%		PASS	
(d12-Perylene)	Total	88	1			% Recovery	100	0	88	36 - 161%		PASS	
(d8-Naphthalene)	Total	36	1			% Recovery	100	0	36	25 - 125%		PASS	
1-Methylnaphthalene	Total	354	1	1	5	ng/wet g	500	0	71	60 - 140%		PASS	
1-Methylphenanthrene	Total	369	1	1	5	ng/wet g	500	0	74	60 - 140%		PASS	
2,3,5-Trimethylnaphthalene	Total	418	1	1	5	ng/wet g	500	0	84	60 - 140%		PASS	
2,6-Dimethylnaphthalene	Total	574	1	1	5	ng/wet g	500	0	115	60 - 140%		PASS	
2-Methylnaphthalene	Total	398	1	1	5	ng/wet g	500	0	80	60 - 140%		PASS	
Acenaphthene	Total	358	1	1	5	ng/wet g	500	0	72	60 - 140%		PASS	
Acenaphthylene	Total	376	1	1	5	ng/wet g	500	0	75	60 - 140%		PASS	
Anthracene	Total	444	1	1	5	ng/wet g	500	0	89	60 - 140%		PASS	
Benz[a]anthracene	Total	423	1	1	5	ng/wet g	500	0	85	60 - 140%		PASS	
Benzo[a]pyrene	Total	462	1	1	5	ng/wet g	500	0	92	60 - 140%		PASS	
Benzo[b]fluoranthene	Total	429	1	1	5	ng/wet g	500	0	86	60 - 140%		PASS	
Benzo[e]pyrene	Total	395	1	1	5	ng/wet g	500	0	79	60 - 140%		PASS	
Benzo[g,h,i]perylene	Total	389	1	1	5	ng/wet g	500	0	78	60 - 140%		PASS	
Benzo[k]fluoranthene	Total	414	1	1	5	ng/wet g	500	0	83	60 - 140%		PASS	
Biphenyl	Total	373	1	1	5	ng/wet g	500	0	75	60 - 140%		PASS	
Chrysene	Total	368	1	1	5	ng/wet g	500	0	74	60 - 140%		PASS	
Dibenz[a,h]anthracene	Total	387	1	1	5	ng/wet g	500	0	77	60 - 140%		PASS	
Dibenzothiophene	Total	386	1	1	5	ng/wet g	500	0	77	60 - 140%		PASS	

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Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	427	1	1	5	ng/wet g	500	0	85	60 - 140%	PASS			
Fluorene	Total	402	1	1	5	ng/wet g	500	0	80	60 - 140%	PASS			
Indeno[1,2,3-cd]pyrene	Total	385	1	1	5	ng/wet g	500	0	77	60 - 140%	PASS			
Naphthalene	Total	230	1	1	5	ng/wet g	500	0	46	60 - 140%	FAIL			Q
Perylene	Total	386	1	1	5	ng/wet g	500	0	77	60 - 140%	PASS			
Phenanthrene	Total	446	1	1	5	ng/wet g	500	0	89	60 - 140%	PASS			
Pyrene	Total	379	1	1	5	ng/wet g	500	0	76	60 - 140%	PASS			

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119144-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
		Method: EPA 8270E				Batch ID: O-49062		Prepared: 14-Jan-25					Analyzed: 18-Jan-25		
(d10-Acenaphthene)	Total	61	1			% Recovery	100	0	61	27 - 133%	PASS	8	30	PASS	
(d10-Phenanthrene)	Total	88	1			% Recovery	100	0	88	43 - 129%	PASS	0	30	PASS	
(d12-Chrysene)	Total	82	1			% Recovery	100	0	82	52 - 144%	PASS	5	30	PASS	
(d12-Perylene)	Total	63	1			% Recovery	100	0	63	36 - 161%	PASS	33	30	FAIL	R
(d8-Naphthalene)	Total	57	1			% Recovery	100	0	57	25 - 125%	PASS	45	30	FAIL	R
1-Methylnaphthalene	Total	356	1	1	5	ng/wet g	500	0	71	60 - 140%	PASS	0	30	PASS	
1-Methylphenanthrene	Total	422	1	1	5	ng/wet g	500	0	84	60 - 140%	PASS	13	30	PASS	
2,3,5-Trimethylnaphthalene	Total	378	1	1	5	ng/wet g	500	0	76	60 - 140%	PASS	10	30	PASS	
2,6-Dimethylnaphthalene	Total	629	1	1	5	ng/wet g	500	0	126	60 - 140%	PASS	9	30	PASS	
2-Methylnaphthalene	Total	413	1	1	5	ng/wet g	500	0	83	60 - 140%	PASS	4	30	PASS	
Acenaphthene	Total	414	1	1	5	ng/wet g	500	0	83	60 - 140%	PASS	14	30	PASS	
Acenaphthylene	Total	351	1	1	5	ng/wet g	500	0	70	60 - 140%	PASS	7	30	PASS	
Anthracene	Total	407	1	1	5	ng/wet g	500	0	81	60 - 140%	PASS	9	30	PASS	
Benz[a]anthracene	Total	489	1	1	5	ng/wet g	500	0	98	60 - 140%	PASS	14	30	PASS	
Benzo[a]pyrene	Total	421	1	1	5	ng/wet g	500	0	84	60 - 140%	PASS	9	30	PASS	
Benzo[b]fluoranthene	Total	424	1	1	5	ng/wet g	500	0	85	60 - 140%	PASS	1	30	PASS	
Benzo[e]pyrene	Total	454	1	1	5	ng/wet g	500	0	91	60 - 140%	PASS	14	30	PASS	
Benzo[g,h,i]perylene	Total	374	1	1	5	ng/wet g	500	0	75	60 - 140%	PASS	4	30	PASS	
Benzo[k]fluoranthene	Total	422	1	1	5	ng/wet g	500	0	84	60 - 140%	PASS	1	30	PASS	
Biphenyl	Total	399	1	1	5	ng/wet g	500	0	80	60 - 140%	PASS	6	30	PASS	
Chrysene	Total	403	1	1	5	ng/wet g	500	0	81	60 - 140%	PASS	9	30	PASS	
Dibenz[a,h]anthracene	Total	360	1	1	5	ng/wet g	500	0	72	60 - 140%	PASS	7	30	PASS	
Dibenzothiophene	Total	368	1	1	5	ng/wet g	500	0	74	60 - 140%	PASS	4	30	PASS	

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Fluoranthene	Total	414	1	1	5	ng/wet g	500	0	83	60 - 140%	PASS	2	30	PASS	
Fluorene	Total	356	1	1	5	ng/wet g	500	0	71	60 - 140%	PASS	12	30	PASS	
Indeno[1,2,3-cd]pyrene	Total	369	1	1	5	ng/wet g	500	0	74	60 - 140%	PASS	4	30	PASS	
Naphthalene	Total	261	1	1	5	ng/wet g	500	0	52	60 - 140%	FAIL	12	30	PASS	Q
Perylene	Total	358	1	1	5	ng/wet g	500	0	72	60 - 140%	PASS	7	30	PASS	
Phenanthrene	Total	408	1	1	5	ng/wet g	500	0	82	60 - 140%	PASS	8	30	PASS	
Pyrene	Total	414	1	1	5	ng/wet g	500	0	83	60 - 140%	PASS	9	30	PASS	

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Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119145-CRM1	**QAQC CRM - SRM 1974c**					**Matrix: Tissue**		**Sampled:**				**Received:**	
		Method: EPA 8270E				Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 13-Jan-25	
(d10-Acenaphthene)	Total	103	1			% Recovery	100	103	27 - 133%	PASS			
(d10-Phenanthrene)	Total	121	1			% Recovery	100	121	43 - 129%	PASS			
(d12-Chrysene)	Total	129	1			% Recovery	100	129	52 - 144%	PASS			
(d12-Perylene)	Total	86	1			% Recovery	100	86	52 - 144%	PASS			
(d8-Naphthalene)	Total	87	1			% Recovery	100	87	25 - 125%	PASS			
1-Methylnaphthalene	Total	0.941	1	1	5	ng/wet g	1.41	67	50 - 150%	PASS			
1-Methylphenanthrene	Total	2.45	1	1	5	ng/wet g	3.07	80	50 - 150%	PASS			
2-Methylnaphthalene	Total	1.17	1	1	5	ng/wet g	1.5	78	50 - 150%	PASS			
Acenaphthene	Total	0.186	1	1	5	ng/wet g	0.343	54	50 - 150%	PASS			
Acenaphthylene	Total	0.573	1	1	5	ng/wet g	0.523	110	50 - 150%	PASS			
Anthracene	Total	0.758	1	1	5	ng/wet g	1.17	65	50 - 150%	PASS			
Benz[a]anthracene	Total	4.71	1	1	5	ng/wet g	5.69	83	50 - 150%	PASS			
Benzo[a]pyrene	Total	1.84	1	1	5	ng/wet g	2.32	79	50 - 150%	PASS			
Benzo[b]fluoranthene	Total	5.33	1	1	5	ng/wet g	5.95	90	50 - 150%	PASS			
Benzo[e]pyrene	Total	7.06	1	1	5	ng/wet g	7.33	96	50 - 150%	PASS			
Benzo[g,h,i]perylene	Total	1.86	1	1	5	ng/wet g	2.82	66	50 - 150%	PASS			
Benzo[k]fluoranthene	Total	2.51	1	1	5	ng/wet g	2.75	91	50 - 150%	PASS			
Biphenyl	Total	0.585	1	1	5	ng/wet g	0.86	68	50 - 150%	PASS			
Chrysene	Total	14.3	1	1	5	ng/wet g	19.2	74	50 - 150%	PASS			
Dibenz[a,h]anthracene	Total	ND	1	1	5	ng/wet g	0.1	0	50 - 150%	FAIL			SL
Dibenzothiophene	Total	0.951	1	1	5	ng/wet g	1.53	62	50 - 150%	PASS			
Fluoranthene	Total	57.8	1	1	5	ng/wet g	45.3	128	50 - 150%	PASS			
Fluorene	Total	2.08	1	1	5	ng/wet g	2.31	90	50 - 150%	PASS			

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Naphthalene	Total	0.57	1	1	5	ng/wet g	0.99		58	50 - 150%	PASS			
Perylene	Total	0.487	1	1	5	ng/wet g	0.56		87	50 - 150%	PASS			
Phenanthrene	Total	13.7	1	1	5	ng/wet g	19.6		70	50 - 150%	PASS			
Pyrene	Total	23.7	1	1	5	ng/wet g	23.9		99	50 - 150%	PASS			

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119146-CRM1	**QAQC CRM - SRM 1974c**					**Matrix: Tissue**		**Sampled:**				**Received:**	
		Method: EPA 8270E				Batch ID: O-49058		Prepared: 12-Jan-25				Analyzed: 16-Jan-25	
(d10-Acenaphthene)	Total	113	1			% Recovery	100	113	27 - 133%	PASS			
(d10-Phenanthrene)	Total	81	1			% Recovery	100	81	43 - 129%	PASS			
(d12-Chrysene)	Total	127	1			% Recovery	100	127	52 - 144%	PASS			
(d12-Perylene)	Total	91	1			% Recovery	100	91	52 - 144%	PASS			
(d8-Naphthalene)	Total	86	1			% Recovery	100	86	25 - 125%	PASS			
1-Methylnaphthalene	Total	1.03	1	1	5	ng/wet g	1.41	73	50 - 150%	PASS			
1-Methylphenanthrene	Total	4.09	1	1	5	ng/wet g	3.07	133	50 - 150%	PASS			
2-Methylnaphthalene	Total	1.33	1	1	5	ng/wet g	1.5	89	50 - 150%	PASS			
Acenaphthene	Total	0.25	1	1	5	ng/wet g	0.343	73	50 - 150%	PASS			
Acenaphthylene	Total	0.426	1	1	5	ng/wet g	0.523	81	50 - 150%	PASS			
Anthracene	Total	1.64	1	1	5	ng/wet g	1.17	140	50 - 150%	PASS			
Benz[a]anthracene	Total	5.35	1	1	5	ng/wet g	5.69	94	50 - 150%	PASS			
Benzo[a]pyrene	Total	2.78	1	1	5	ng/wet g	2.32	120	50 - 150%	PASS			
Benzo[b]fluoranthene	Total	5.62	1	1	5	ng/wet g	5.95	94	50 - 150%	PASS			
Benzo[e]pyrene	Total	7.13	1	1	5	ng/wet g	7.33	97	50 - 150%	PASS			
Benzo[g,h,i]perylene	Total	2.24	1	1	5	ng/wet g	2.82	79	50 - 150%	PASS			
Benzo[k]fluoranthene	Total	2.11	1	1	5	ng/wet g	2.75	77	50 - 150%	PASS			
Biphenyl	Total	0.612	1	1	5	ng/wet g	0.86	71	50 - 150%	PASS			
Chrysene	Total	15.2	1	1	5	ng/wet g	19.2	79	50 - 150%	PASS			
Dibenz[a,h]anthracene	Total	ND	1	1	5	ng/wet g	0.1	0	50 - 150%	FAIL			SL
Dibenzothiophene	Total	0.789	1	1	5	ng/wet g	1.53	52	50 - 150%	PASS			
Fluoranthene	Total	44.1	1	1	5	ng/wet g	45.3	97	50 - 150%	PASS			
Fluorene	Total	2.44	1	1	5	ng/wet g	2.31	106	50 - 150%	PASS			

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Naphthalene	Total	0.633	1	1	5	ng/wet g	0.99		64	50 - 150%	PASS			
Perylene	Total	0.593	1	1	5	ng/wet g	0.56		106	50 - 150%	PASS			
Phenanthrene	Total	19.9	1	1	5	ng/wet g	19.6		102	50 - 150%	PASS			
Pyrene	Total	20.1	1	1	5	ng/wet g	23.9		84	50 - 150%	PASS			

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119147-CRM1	**QAQC CRM - SRM 1974c**					**Matrix: Tissue**		**Sampled:**				**Received:**	
		Method: EPA 8270E				Batch ID: O-49060		Prepared: 13-Jan-25				Analyzed: 17-Jan-25	
(d10-Acenaphthene)	Total	122	1			% Recovery	100	122	27 - 133%	PASS			
(d10-Phenanthrene)	Total	116	1			% Recovery	100	116	43 - 129%	PASS			
(d12-Chrysene)	Total	85	1			% Recovery	100	85	52 - 144%	PASS			
(d12-Perylene)	Total	143	1			% Recovery	100	143	36 - 161%	PASS			
(d8-Naphthalene)	Total	83	1			% Recovery	100	83	25 - 125%	PASS			
1-Methylnaphthalene	Total	0.855	1	1	5	ng/wet g	1.41	61	50 - 150%	PASS			
1-Methylphenanthrene	Total	2.76	1	1	5	ng/wet g	3.07	90	50 - 150%	PASS			
2-Methylnaphthalene	Total	1.01	1	1	5	ng/wet g	1.5	67	50 - 150%	PASS			
Acenaphthene	Total	0.206	1	1	5	ng/wet g	0.343	60	50 - 150%	PASS			
Acenaphthylene	Total	0.617	1	1	5	ng/wet g	0.523	118	50 - 150%	PASS			
Anthracene	Total	0.831	1	1	5	ng/wet g	1.17	71	50 - 150%	PASS			
Benz[a]anthracene	Total	5.11	1	1	5	ng/wet g	5.69	90	50 - 150%	PASS			
Benzo[a]pyrene	Total	2.15	1	1	5	ng/wet g	2.32	93	50 - 150%	PASS			
Benzo[b]fluoranthene	Total	4.93	1	1	5	ng/wet g	5.95	83	50 - 150%	PASS			
Benzo[e]pyrene	Total	8.6	1	1	5	ng/wet g	7.33	117	50 - 150%	PASS			
Benzo[g,h,i]perylene	Total	3.74	1	1	5	ng/wet g	2.82	133	50 - 150%	PASS			
Benzo[k]fluoranthene	Total	1.96	1	1	5	ng/wet g	2.75	71	50 - 150%	PASS			
Biphenyl	Total	0.967	1	1	5	ng/wet g	0.86	112	50 - 150%	PASS			
Chrysene	Total	23.5	1	1	5	ng/wet g	19.2	122	50 - 150%	PASS			
Dibenz[a,h]anthracene	Total	ND	1	1	5	ng/wet g	0.1	0	50 - 150%	FAIL			SL
Dibenzothiophene	Total	0.872	1	1	5	ng/wet g	1.53	57	50 - 150%	PASS			
Fluoranthene	Total	55.1	1	1	5	ng/wet g	45.3	122	50 - 150%	PASS			
Fluorene	Total	1.46	1	1	5	ng/wet g	2.31	63	50 - 150%	PASS			

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Naphthalene	Total	0.608	1	1	5	ng/wet g	0.99		61	50 - 150%	PASS			
Perylene	Total	0.819	1	1	5	ng/wet g	0.56		146	50 - 150%	PASS			
Phenanthrene	Total	18.6	1	1	5	ng/wet g	19.6		95	50 - 150%	PASS			
Pyrene	Total	24.9	1	1	5	ng/wet g	23.9		104	50 - 150%	PASS			

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ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119148-CRM1	**QAQC CRM - SRM 1974c**					**Matrix: Tissue**		**Sampled:**				**Received:**	
		Method: EPA 8270E				Batch ID: O-49062		Prepared: 14-Jan-25				Analyzed: 19-Jan-25	
(d10-Acenaphthene)	Total	118	1			% Recovery	100	118	27 - 133%	PASS			
(d10-Phenanthrene)	Total	125	1			% Recovery	100	125	43 - 129%	PASS			
(d12-Chrysene)	Total	101	1			% Recovery	100	101	52 - 144%	PASS			
(d12-Perylene)	Total	114	1			% Recovery	100	114	36 - 161%	PASS			
(d8-Naphthalene)	Total	81	1			% Recovery	100	81	25 - 125%	PASS			
1-Methylnaphthalene	Total	1.47	1	1	5	ng/wet g	1.41	104	50 - 150%	PASS			
1-Methylphenanthrene	Total	4.21	1	1	5	ng/wet g	3.07	137	50 - 150%	PASS			
2-Methylnaphthalene	Total	1.26	1	1	5	ng/wet g	1.5	84	50 - 150%	PASS			
Acenaphthene	Total	0.291	1	1	5	ng/wet g	0.343	85	50 - 150%	PASS			
Acenaphthylene	Total	0.545	1	1	5	ng/wet g	0.523	104	50 - 150%	PASS			
Anthracene	Total	1.14	1	1	5	ng/wet g	1.17	97	50 - 150%	PASS			
Benz[a]anthracene	Total	5.74	1	1	5	ng/wet g	5.69	101	50 - 150%	PASS			
Benzo[a]pyrene	Total	2.21	1	1	5	ng/wet g	2.32	95	50 - 150%	PASS			
Benzo[b]fluoranthene	Total	5.55	1	1	5	ng/wet g	5.95	93	50 - 150%	PASS			
Benzo[e]pyrene	Total	8.12	1	1	5	ng/wet g	7.33	111	50 - 150%	PASS			
Benzo[g,h,i]perylene	Total	3.28	1	1	5	ng/wet g	2.82	116	50 - 150%	PASS			
Benzo[k]fluoranthene	Total	2.47	1	1	5	ng/wet g	2.75	90	50 - 150%	PASS			
Biphenyl	Total	0.58	1	1	5	ng/wet g	0.86	67	50 - 150%	PASS			
Chrysene	Total	16.7	1	1	5	ng/wet g	19.2	87	50 - 150%	PASS			
Dibenz[a,h]anthracene	Total	ND	1	1	5	ng/wet g	0.1	0	50 - 150%	FAIL			SL
Dibenzothiophene	Total	1.29	1	1	5	ng/wet g	1.53	84	50 - 150%	PASS			
Fluoranthene	Total	44.9	1	1	5	ng/wet g	45.3	99	50 - 150%	PASS			
Fluorene	Total	1.97	1	1	5	ng/wet g	2.31	85	50 - 150%	PASS			

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Naphthalene	Total	0.665	1	1	5	ng/wet g	0.99		67	50 - 150%	PASS			
Perylene	Total	0.422	1	1	5	ng/wet g	0.56		75	50 - 150%	PASS			
Phenanthrene	Total	18	1	1	5	ng/wet g	19.6		92	50 - 150%	PASS			
Pyrene	Total	21.8	1	1	5	ng/wet g	23.9		91	50 - 150%	PASS			

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119161-MS1	**SSB-OS-C1-HH Skin-off Filets**					**Matrix: Tissue**			**Sampled: 07-Sep-23**			**Received: 17-Jun-24**	
		Method: EPA 8270E				Batch ID: O-49056			Prepared: 09-Jan-25			Analyzed: 14-Jan-25	
(d10-Acenaphthene)	Total	77	1			% Recovery	100	0	77	27 - 133%			PASS
(d10-Phenanthrene)	Total	94	1			% Recovery	100	0	94	43 - 129%			PASS
(d12-Chrysene)	Total	121	1			% Recovery	100	0	121	52 - 144%			PASS
(d12-Perylene)	Total	80	1			% Recovery	100	0	80	36 - 161%			PASS
(d8-Naphthalene)	Total	93	1			% Recovery	100	0	93	25 - 125%			PASS
1-Methylnaphthalene	Total	310	1	1	5	ng/wet g	500	0	62	50 - 150%			PASS
1-Methylphenanthrene	Total	616	1	1	5	ng/wet g	500	0	123	50 - 150%			PASS
2,3,5-Trimethylnaphthalene	Total	428	1	1	5	ng/wet g	500	0	86	50 - 150%			PASS
2,6-Dimethylnaphthalene	Total	388	1	1	5	ng/wet g	500	0	78	50 - 150%			PASS
2-Methylnaphthalene	Total	319	1	1	5	ng/wet g	500	0	64	50 - 150%			PASS
Acenaphthene	Total	382	1	1	5	ng/wet g	500	1.02	76	50 - 150%			PASS
Acenaphthylene	Total	378	1	1	5	ng/wet g	500	0	76	50 - 150%			PASS
Anthracene	Total	449	1	1	5	ng/wet g	500	0	90	50 - 150%			PASS
Benz[a]anthracene	Total	553	1	1	5	ng/wet g	500	0	111	50 - 150%			PASS
Benzo[a]pyrene	Total	436	1	1	5	ng/wet g	500	0	87	50 - 150%			PASS
Benzo[b]fluoranthene	Total	426	1	1	5	ng/wet g	500	0	85	50 - 150%			PASS
Benzo[e]pyrene	Total	500	1	1	5	ng/wet g	500	0	100	50 - 150%			PASS
Benzo[g,h,i]perylene	Total	409	1	1	5	ng/wet g	500	0	82	50 - 150%			PASS
Benzo[k]fluoranthene	Total	469	1	1	5	ng/wet g	500	0	94	50 - 150%			PASS
Biphenyl	Total	370	1	1	5	ng/wet g	500	0	74	50 - 150%			PASS
Chrysene	Total	419	1	1	5	ng/wet g	500	0	84	50 - 150%			PASS
Dibenz[a,h]anthracene	Total	503	1	1	5	ng/wet g	500	0	101	50 - 150%			PASS
Dibenzothiophene	Total	478	1	1	5	ng/wet g	500	0	96	50 - 150%			PASS

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	521	1	1	5	ng/wet g	500	0	104	50 - 150%	PASS			
Fluorene	Total	413	1	1	5	ng/wet g	500	0	83	50 - 150%	PASS			
Indeno[1,2,3-cd]pyrene	Total	467	1	1	5	ng/wet g	500	0	93	50 - 150%	PASS			
Naphthalene	Total	245	1	1	5	ng/wet g	500	0	49	50 - 150%	FAIL			Q
Perylene	Total	417	1	1	5	ng/wet g	500	0	83	50 - 150%	PASS			
Phenanthrene	Total	449	1	1	5	ng/wet g	500	0	90	50 - 150%	PASS			
Pyrene	Total	509	1	1	5	ng/wet g	500	0	102	50 - 150%	PASS			

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119161-MS2	**SSB-OS-C1-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 07-Sep-23**					**Received: 17-Jun-24**		
		Method: EPA 8270E				Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 14-Jan-25			
(d10-Acenaphthene)	Total	81	1			% Recovery	100	0	81	27 - 133%	PASS	5	30	PASS	
(d10-Phenanthrene)	Total	95	1			% Recovery	100	0	95	43 - 129%	PASS	1	30	PASS	
(d12-Chrysene)	Total	88	1			% Recovery	100	0	88	52 - 144%	PASS	32	30	FAIL	R
(d12-Perylene)	Total	80	1			% Recovery	100	0	80	36 - 161%	PASS	0	30	PASS	
(d8-Naphthalene)	Total	102	1			% Recovery	100	0	102	25 - 125%	PASS	9	30	PASS	
1-Methylnaphthalene	Total	354	1	1	5	ng/wet g	500	0	71	50 - 150%	PASS	14	30	PASS	
1-Methylphenanthrene	Total	617	1	1	5	ng/wet g	500	0	123	50 - 150%	PASS	0	30	PASS	
2,3,5-Trimethylnaphthalene	Total	452	1	1	5	ng/wet g	500	0	90	50 - 150%	PASS	5	30	PASS	
2,6-Dimethylnaphthalene	Total	417	1	1	5	ng/wet g	500	0	83	50 - 150%	PASS	6	30	PASS	
2-Methylnaphthalene	Total	369	1	1	5	ng/wet g	500	0	74	50 - 150%	PASS	14	30	PASS	
Acenaphthene	Total	405	1	1	5	ng/wet g	500	1.02	81	50 - 150%	PASS	6	30	PASS	
Acenaphthylene	Total	408	1	1	5	ng/wet g	500	0	82	50 - 150%	PASS	8	30	PASS	
Anthracene	Total	452	1	1	5	ng/wet g	500	0	90	50 - 150%	PASS	0	30	PASS	
Benz[a]anthracene	Total	473	1	1	5	ng/wet g	500	0	95	50 - 150%	PASS	16	30	PASS	
Benzo[a]pyrene	Total	391	1	1	5	ng/wet g	500	0	78	50 - 150%	PASS	11	30	PASS	
Benzo[b]fluoranthene	Total	403	1	1	5	ng/wet g	500	0	81	50 - 150%	PASS	5	30	PASS	
Benzo[e]pyrene	Total	523	1	1	5	ng/wet g	500	0	105	50 - 150%	PASS	5	30	PASS	
Benzo[g,h,i]perylene	Total	394	1	1	5	ng/wet g	500	0	79	50 - 150%	PASS	4	30	PASS	
Benzo[k]fluoranthene	Total	419	1	1	5	ng/wet g	500	0	84	50 - 150%	PASS	11	30	PASS	
Biphenyl	Total	405	1	1	5	ng/wet g	500	0	81	50 - 150%	PASS	9	30	PASS	
Chrysene	Total	421	1	1	5	ng/wet g	500	0	84	50 - 150%	PASS	0	30	PASS	
Dibenz[a,h]anthracene	Total	495	1	1	5	ng/wet g	500	0	99	50 - 150%	PASS	2	30	PASS	
Dibenzothiophene	Total	456	1	1	5	ng/wet g	500	0	91	50 - 150%	PASS	5	30	PASS	

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	526	1	1	5	ng/wet g	500	0	105	50 - 150%	PASS	1	30	PASS
Fluorene	Total	440	1	1	5	ng/wet g	500	0	88	50 - 150%	PASS	6	30	PASS
Indeno[1,2,3-cd]pyrene	Total	472	1	1	5	ng/wet g	500	0	94	50 - 150%	PASS	1	30	PASS
Naphthalene	Total	291	1	1	5	ng/wet g	500	0	58	50 - 150%	PASS	17	30	PASS
Perylene	Total	402	1	1	5	ng/wet g	500	0	80	50 - 150%	PASS	4	30	PASS
Phenanthrene	Total	453	1	1	5	ng/wet g	500	0	91	50 - 150%	PASS	1	30	PASS
Pyrene	Total	510	1	1	5	ng/wet g	500	0	102	50 - 150%	PASS	0	30	PASS

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119161-R2	**SSB-OS-C1-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 07-Sep-23**				**Received: 17-Jun-24**			
		Method: EPA 8270E				Batch ID: O-49056		Prepared: 09-Jan-25				Analyzed: 14-Jan-25			
(d10-Acenaphthene)	Total	104	1			% Recovery	100	104	27 - 133%	PASS		22	30	PASS	
(d10-Phenanthrene)	Total	95	1			% Recovery	100	95	43 - 129%	PASS		3	30	PASS	
(d12-Chrysene)	Total	101	1			% Recovery	100	101	52 - 144%	PASS		10	30	PASS	
(d12-Perylene)	Total	75	1			% Recovery	100	75	36 - 161%	PASS		1	30	PASS	
(d8-Naphthalene)	Total	82	1			% Recovery	100	82	25 - 125%	PASS		19	30	PASS	
1-Methylnaphthalene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
1-Methylphenanthrene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
2,3,5-Trimethylnaphthalene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
2,6-Dimethylnaphthalene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
2-Methylnaphthalene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Acenaphthene	Total	1.46	1	1	5	ng/wet g						35	30	FAIL	NH
Acenaphthylene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Anthracene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benz[a]anthracene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benzo[a]pyrene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benzo[b]fluoranthene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benzo[e]pyrene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benzo[g,h,i]perylene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benzo[k]fluoranthene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Biphenyl	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Chrysene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Dibenz[a,h]anthracene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Dibenzothiophene	Total	ND	1	1	5	ng/wet g						0	30	PASS	

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	ND	1	1	5	ng/wet g					0	30	PASS
Fluorene	Total	ND	1	1	5	ng/wet g					0	30	PASS
Indeno[1,2,3-cd]pyrene	Total	ND	1	1	5	ng/wet g					0	30	PASS
Naphthalene	Total	ND	1	1	5	ng/wet g					0	30	PASS
Perylene	Total	ND	1	1	5	ng/wet g					0	30	PASS
Phenanthrene	Total	ND	1	1	5	ng/wet g					0	30	PASS
Pyrene	Total	ND	1	1	5	ng/wet g					0	30	PASS

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119181-MS1	**WSP-MB-HH Carcass**					**Matrix: Tissue**		**Sampled: 23-Aug-23**				**Received: 17-Jun-24**	
		Method: EPA 8270E				Batch ID: O-49058		Prepared: 12-Jan-25				Analyzed: 16-Jan-25	
(d10-Acenaphthene)	Total	77	1			% Recovery	100	0	77	27 - 133%			PASS
(d10-Phenanthrene)	Total	90	1			% Recovery	100	0	90	43 - 129%			PASS
(d12-Chrysene)	Total	111	1			% Recovery	100	0	111	52 - 144%			PASS
(d12-Perylene)	Total	77	1			% Recovery	100	0	77	36 - 161%			PASS
(d8-Naphthalene)	Total	66	1			% Recovery	100	0	66	25 - 125%			PASS
1-Methylnaphthalene	Total	343	1	1	5	ng/wet g	500	0	69	50 - 150%			PASS
1-Methylphenanthrene	Total	504	1	1	5	ng/wet g	500	0	101	50 - 150%			PASS
2,3,5-Trimethylnaphthalene	Total	392	1	1	5	ng/wet g	500	0	78	50 - 150%			PASS
2,6-Dimethylnaphthalene	Total	366	1	1	5	ng/wet g	500	0	73	50 - 150%			PASS
2-Methylnaphthalene	Total	337	1	1	5	ng/wet g	500	4.49	67	50 - 150%			PASS
Acenaphthene	Total	380	1	1	5	ng/wet g	500	0	76	50 - 150%			PASS
Acenaphthylene	Total	382	1	1	5	ng/wet g	500	0	76	50 - 150%			PASS
Anthracene	Total	447	1	1	5	ng/wet g	500	0	89	50 - 150%			PASS
Benz[a]anthracene	Total	590	1	1	5	ng/wet g	500	0	118	50 - 150%			PASS
Benzo[a]pyrene	Total	407	1	1	5	ng/wet g	500	0	81	50 - 150%			PASS
Benzo[b]fluoranthene	Total	437	1	1	5	ng/wet g	500	0	87	50 - 150%			PASS
Benzo[e]pyrene	Total	402	1	1	5	ng/wet g	500	0	80	50 - 150%			PASS
Benzo[g,h,i]perylene	Total	449	1	1	5	ng/wet g	500	0	90	50 - 150%			PASS
Benzo[k]fluoranthene	Total	423	1	1	5	ng/wet g	500	0	85	50 - 150%			PASS
Biphenyl	Total	362	1	1	5	ng/wet g	500	0	72	50 - 150%			PASS
Chrysene	Total	572	1	1	5	ng/wet g	500	0	114	50 - 150%			PASS
Dibenz[a,h]anthracene	Total	485	1	1	5	ng/wet g	500	0	97	50 - 150%			PASS
Dibenzothiophene	Total	382	1	1	5	ng/wet g	500	0	76	50 - 150%			PASS

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	502	1	1	5	ng/wet g	500	0	100	50 - 150%	PASS			
Fluorene	Total	409	1	1	5	ng/wet g	500	0	82	50 - 150%	PASS			
Indeno[1,2,3-cd]pyrene	Total	443	1	1	5	ng/wet g	500	0	89	50 - 150%	PASS			
Naphthalene	Total	300	1	1	5	ng/wet g	500	0	60	50 - 150%	PASS			
Perylene	Total	393	1	1	5	ng/wet g	500	0	79	50 - 150%	PASS			
Phenanthrene	Total	450	1	1	5	ng/wet g	500	1.97	90	50 - 150%	PASS			
Pyrene	Total	508	1	1	5	ng/wet g	500	0	102	50 - 150%	PASS			

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119181-MS2	**WSP-MB-HH Carcass**					**Matrix: Tissue**		**Sampled: 23-Aug-23**			**Received: 17-Jun-24**			
	Method: EPA 8270E					Batch ID: O-49058		Prepared: 12-Jan-25			Analyzed: 16-Jan-25			
(d10-Acenaphthene)	Total	78	1			% Recovery	100	0	78	27 - 133%	PASS	1	30	PASS
(d10-Phenanthrene)	Total	90	1			% Recovery	100	0	90	43 - 129%	PASS	0	30	PASS
(d12-Chrysene)	Total	100	1			% Recovery	100	0	100	52 - 144%	PASS	10	30	PASS
(d12-Perylene)	Total	78	1			% Recovery	100	0	78	36 - 161%	PASS	1	30	PASS
(d8-Naphthalene)	Total	65	1			% Recovery	100	0	65	25 - 125%	PASS	2	30	PASS
1-Methylnaphthalene	Total	347	1	1	5	ng/wet g	500	0	69	50 - 150%	PASS	0	30	PASS
1-Methylphenanthrene	Total	504	1	1	5	ng/wet g	500	0	101	50 - 150%	PASS	0	30	PASS
2,3,5-Trimethylnaphthalene	Total	400	1	1	5	ng/wet g	500	0	80	50 - 150%	PASS	3	30	PASS
2,6-Dimethylnaphthalene	Total	373	1	1	5	ng/wet g	500	0	75	50 - 150%	PASS	3	30	PASS
2-Methylnaphthalene	Total	344	1	1	5	ng/wet g	500	4.49	68	50 - 150%	PASS	1	30	PASS
Acenaphthene	Total	385	1	1	5	ng/wet g	500	0	77	50 - 150%	PASS	1	30	PASS
Acenaphthylene	Total	399	1	1	5	ng/wet g	500	0	80	50 - 150%	PASS	5	30	PASS
Anthracene	Total	464	1	1	5	ng/wet g	500	0	93	50 - 150%	PASS	4	30	PASS
Benz[a]anthracene	Total	553	1	1	5	ng/wet g	500	0	111	50 - 150%	PASS	6	30	PASS
Benzo[a]pyrene	Total	423	1	1	5	ng/wet g	500	0	85	50 - 150%	PASS	5	30	PASS
Benzo[b]fluoranthene	Total	424	1	1	5	ng/wet g	500	0	85	50 - 150%	PASS	2	30	PASS
Benzo[e]pyrene	Total	404	1	1	5	ng/wet g	500	0	81	50 - 150%	PASS	1	30	PASS
Benzo[g,h,i]perylene	Total	450	1	1	5	ng/wet g	500	0	90	50 - 150%	PASS	0	30	PASS
Benzo[k]fluoranthene	Total	418	1	1	5	ng/wet g	500	0	84	50 - 150%	PASS	1	30	PASS
Biphenyl	Total	374	1	1	5	ng/wet g	500	0	75	50 - 150%	PASS	4	30	PASS
Chrysene	Total	536	1	1	5	ng/wet g	500	0	107	50 - 150%	PASS	6	30	PASS
Dibenz[a,h]anthracene	Total	495	1	1	5	ng/wet g	500	0	99	50 - 150%	PASS	2	30	PASS
Dibenzothiophene	Total	401	1	1	5	ng/wet g	500	0	80	50 - 150%	PASS	5	30	PASS

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Fluoranthene	Total	496	1	1	5	ng/wet g	500	0	99	50 - 150%	PASS	1	30	PASS	
Fluorene	Total	419	1	1	5	ng/wet g	500	0	84	50 - 150%	PASS	2	30	PASS	
Indeno[1,2,3-cd]pyrene	Total	473	1	1	5	ng/wet g	500	0	95	50 - 150%	PASS	7	30	PASS	
Naphthalene	Total	303	1	1	5	ng/wet g	500	0	61	50 - 150%	PASS	2	30	PASS	
Perylene	Total	382	1	1	5	ng/wet g	500	0	76	50 - 150%	PASS	4	30	PASS	
Phenanthrene	Total	454	1	1	5	ng/wet g	500	1.97	90	50 - 150%	PASS	0	30	PASS	
Pyrene	Total	507	1	1	5	ng/wet g	500	0	101	50 - 150%	PASS	1	30	PASS	

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119181-R2	**WSP-MB-HH Carcass**					**Matrix: Tissue**		**Sampled: 23-Aug-23**			**Received: 17-Jun-24**				
		Method: EPA 8270E				Batch ID: O-49058		Prepared: 12-Jan-25			Analyzed: 16-Jan-25				
(d10-Acenaphthene)	Total	80	1			% Recovery	100	80	27 - 133%	PASS	1	30	PASS		
(d10-Phenanthrene)	Total	93	1			% Recovery	100	93	43 - 129%	PASS	1	30	PASS		
(d12-Chrysene)	Total	106	1			% Recovery	100	106	52 - 144%	PASS	1	30	PASS		
(d12-Perylene)	Total	80	1			% Recovery	100	80	36 - 161%	PASS	7	30	PASS		
(d8-Naphthalene)	Total	63	1			% Recovery	100	63	25 - 125%	PASS	9	30	PASS		
1-Methylnaphthalene	Total	ND	1	1	5	ng/wet g					0	30	PASS		
1-Methylphenanthrene	Total	ND	1	1	5	ng/wet g					0	30	PASS		
2,3,5-Trimethylnaphthalene	Total	ND	1	1	5	ng/wet g					0	30	PASS		
2,6-Dimethylnaphthalene	Total	ND	1	1	5	ng/wet g					0	30	PASS		
2-Methylnaphthalene	Total	4.55	1	1	5	ng/wet g					1	30	PASS		J
Acenaphthene	Total	ND	1	1	5	ng/wet g					0	30	PASS		
Acenaphthylene	Total	ND	1	1	5	ng/wet g					0	30	PASS		
Anthracene	Total	ND	1	1	5	ng/wet g					0	30	PASS		
Benz[a]anthracene	Total	ND	1	1	5	ng/wet g					0	30	PASS		
Benzo[a]pyrene	Total	ND	1	1	5	ng/wet g					0	30	PASS		
Benzo[b]fluoranthene	Total	ND	1	1	5	ng/wet g					0	30	PASS		
Benzo[e]pyrene	Total	ND	1	1	5	ng/wet g					0	30	PASS		
Benzo[g,h,i]perylene	Total	ND	1	1	5	ng/wet g					0	30	PASS		
Benzo[k]fluoranthene	Total	ND	1	1	5	ng/wet g					0	30	PASS		
Biphenyl	Total	ND	1	1	5	ng/wet g					0	30	PASS		
Chrysene	Total	ND	1	1	5	ng/wet g					0	30	PASS		
Dibenz[a,h]anthracene	Total	ND	1	1	5	ng/wet g					0	30	PASS		
Dibenzothiophene	Total	ND	1	1	5	ng/wet g					0	30	PASS		

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS		QA CODEc
Fluoranthene	Total	ND	1	1	5	ng/wet g					0	30	PASS	
Fluorene	Total	ND	1	1	5	ng/wet g					0	30	PASS	
Indeno[1,2,3-cd]pyrene	Total	ND	1	1	5	ng/wet g					0	30	PASS	
Naphthalene	Total	ND	1	1	5	ng/wet g					0	30	PASS	
Perylene	Total	ND	1	1	5	ng/wet g					0	30	PASS	
Phenanthrene	Total	1.87	1	1	5	ng/wet g					5	30	PASS	J
Pyrene	Total	ND	1	1	5	ng/wet g					0	30	PASS	

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119199-MS1	**JS-NSDB-C1-HH Carcass**					**Matrix: Tissue**		**Sampled: 15-Sep-23**				**Received: 17-Jun-24**	
		Method: EPA 8270E				Batch ID: O-49060		Prepared: 13-Jan-25				Analyzed: 17-Jan-25	
(d10-Acenaphthene)	Total	92	1			% Recovery	100	0	92	27 - 133%	PASS		
(d10-Phenanthrene)	Total	92	1			% Recovery	100	0	92	43 - 129%	PASS		
(d12-Chrysene)	Total	82	1			% Recovery	100	0	82	52 - 144%	PASS		
(d12-Perylene)	Total	80	1			% Recovery	100	0	80	36 - 161%	PASS		
(d8-Naphthalene)	Total	82	1			% Recovery	100	0	82	25 - 125%	PASS		
1-Methylnaphthalene	Total	493	1	1	5	ng/wet g	500	1.85	98	50 - 150%	PASS		
1-Methylphenanthrene	Total	576	1	1	5	ng/wet g	500	0	115	50 - 150%	PASS		
2,3,5-Trimethylnaphthalene	Total	564	1	1	5	ng/wet g	500	0	113	50 - 150%	PASS		
2,6-Dimethylnaphthalene	Total	556	1	1	5	ng/wet g	500	0	111	50 - 150%	PASS		
2-Methylnaphthalene	Total	531	1	1	5	ng/wet g	500	4.69	105	50 - 150%	PASS		
Acenaphthene	Total	551	1	1	5	ng/wet g	500	9.35	108	50 - 150%	PASS		
Acenaphthylene	Total	554	1	1	5	ng/wet g	500	0	111	50 - 150%	PASS		
Anthracene	Total	513	1	1	5	ng/wet g	500	0	103	50 - 150%	PASS		
Benz[a]anthracene	Total	470	1	1	5	ng/wet g	500	0	94	50 - 150%	PASS		
Benzo[a]pyrene	Total	309	1	1	5	ng/wet g	500	0	62	50 - 150%	PASS		
Benzo[b]fluoranthene	Total	687	1	1	5	ng/wet g	500	0	137	50 - 150%	PASS		
Benzo[e]pyrene	Total	511	1	1	5	ng/wet g	500	0	102	50 - 150%	PASS		
Benzo[g,h,i]perylene	Total	484	1	1	5	ng/wet g	500	0	97	50 - 150%	PASS		
Benzo[k]fluoranthene	Total	522	1	1	5	ng/wet g	500	0	104	50 - 150%	PASS		
Biphenyl	Total	531	1	1	5	ng/wet g	500	0	106	50 - 150%	PASS		
Chrysene	Total	868	1	1	5	ng/wet g	500	0	174	50 - 150%	FAIL		M
Dibenz[a,h]anthracene	Total	672	1	1	5	ng/wet g	500	0	134	50 - 150%	PASS		
Dibenzothiophene	Total	501	1	1	5	ng/wet g	500	0	100	50 - 150%	PASS		

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	529	1	1	5	ng/wet g	500	0	106	50 - 150%	PASS			
Fluorene	Total	570	1	1	5	ng/wet g	500	1.7	114	50 - 150%	PASS			
Indeno[1,2,3-cd]pyrene	Total	696	1	1	5	ng/wet g	500	0	139	50 - 150%	PASS			
Naphthalene	Total	453	1	1	5	ng/wet g	500	4.54	90	50 - 150%	PASS			
Perylene	Total	440	1	1	5	ng/wet g	500	0	88	50 - 150%	PASS			
Phenanthrene	Total	482	1	1	5	ng/wet g	500	1.21	96	50 - 150%	PASS			
Pyrene	Total	496	1	1	5	ng/wet g	500	0	99	50 - 150%	PASS			

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119199-MS2	**JS-NSDB-C1-HH Carcass**					**Matrix: Tissue**			**Sampled: 15-Sep-23**				**Received: 17-Jun-24**		
		Method: EPA 8270E				Batch ID: O-49060			Prepared: 13-Jan-25				Analyzed: 17-Jan-25		
(d10-Acenaphthene)	Total	78	1			% Recovery	100	0	78	27 - 133%	PASS	16	30	PASS	
(d10-Phenanthrene)	Total	75	1			% Recovery	100	0	75	43 - 129%	PASS	20	30	PASS	
(d12-Chrysene)	Total	85	1			% Recovery	100	0	85	52 - 144%	PASS	3	30	PASS	
(d12-Perylene)	Total	73	1			% Recovery	100	0	73	36 - 161%	PASS	9	30	PASS	
(d8-Naphthalene)	Total	78	1			% Recovery	100	0	78	25 - 125%	PASS	5	30	PASS	
1-Methylnaphthalene	Total	511	1	1	5	ng/wet g	500	1.85	102	50 - 150%	PASS	4	30	PASS	
1-Methylphenanthrene	Total	541	1	1	5	ng/wet g	500	0	108	50 - 150%	PASS	6	30	PASS	
2,3,5-Trimethylnaphthalene	Total	560	1	1	5	ng/wet g	500	0	112	50 - 150%	PASS	1	30	PASS	
2,6-Dimethylnaphthalene	Total	577	1	1	5	ng/wet g	500	0	115	50 - 150%	PASS	4	30	PASS	
2-Methylnaphthalene	Total	555	1	1	5	ng/wet g	500	4.69	110	50 - 150%	PASS	5	30	PASS	
Acenaphthene	Total	552	1	1	5	ng/wet g	500	9.35	109	50 - 150%	PASS	1	30	PASS	
Acenaphthylene	Total	568	1	1	5	ng/wet g	500	0	114	50 - 150%	PASS	3	30	PASS	
Anthracene	Total	477	1	1	5	ng/wet g	500	0	95	50 - 150%	PASS	8	30	PASS	
Benz[a]anthracene	Total	398	1	1	5	ng/wet g	500	0	80	50 - 150%	PASS	16	30	PASS	
Benzo[a]pyrene	Total	498	1	1	5	ng/wet g	500	0	100	50 - 150%	PASS	47	30	FAIL	M
Benzo[b]fluoranthene	Total	701	1	1	5	ng/wet g	500	0	140	50 - 150%	PASS	2	30	PASS	
Benzo[e]pyrene	Total	512	1	1	5	ng/wet g	500	0	102	50 - 150%	PASS	0	30	PASS	
Benzo[g,h,i]perylene	Total	465	1	1	5	ng/wet g	500	0	93	50 - 150%	PASS	4	30	PASS	
Benzo[k]fluoranthene	Total	545	1	1	5	ng/wet g	500	0	109	50 - 150%	PASS	5	30	PASS	
Biphenyl	Total	550	1	1	5	ng/wet g	500	0	110	50 - 150%	PASS	4	30	PASS	
Chrysene	Total	1020	1	1	5	ng/wet g	500	0	204	50 - 150%	FAIL	16	30	PASS	M
Dibenz[a,h]anthracene	Total	671	1	1	5	ng/wet g	500	0	134	50 - 150%	PASS	0	30	PASS	
Dibenzothiophene	Total	463	1	1	5	ng/wet g	500	0	93	50 - 150%	PASS	7	30	PASS	

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	483	1	1	5	ng/wet g	500	0	97	50 - 150%	PASS	9	30	PASS
Fluorene	Total	563	1	1	5	ng/wet g	500	1.7	112	50 - 150%	PASS	2	30	PASS
Indeno[1,2,3-cd]pyrene	Total	667	1	1	5	ng/wet g	500	0	133	50 - 150%	PASS	4	30	PASS
Naphthalene	Total	492	1	1	5	ng/wet g	500	4.54	97	50 - 150%	PASS	7	30	PASS
Perylene	Total	431	1	1	5	ng/wet g	500	0	86	50 - 150%	PASS	2	30	PASS
Phenanthrene	Total	457	1	1	5	ng/wet g	500	1.21	91	50 - 150%	PASS	5	30	PASS
Pyrene	Total	448	1	1	5	ng/wet g	500	0	90	50 - 150%	PASS	10	30	PASS

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119199-R2	**JS-NSDB-C1-HH Carcass**					**Matrix: Tissue**			**Sampled: 15-Sep-23**				**Received: 17-Jun-24**		
		Method: EPA 8270E				Batch ID: O-49060			Prepared: 13-Jan-25				Analyzed: 17-Jan-25		
(d10-Acenaphthene)	Total	92	1			% Recovery	100	92	27 - 133%	PASS		0	30	PASS	
(d10-Phenanthrene)	Total	91	1			% Recovery	100	91	43 - 129%	PASS		0	30	PASS	
(d12-Chrysene)	Total	90	1			% Recovery	100	90	52 - 144%	PASS		0	30	PASS	
(d12-Perylene)	Total	85	1			% Recovery	100	85	36 - 161%	PASS		0	30	PASS	
(d8-Naphthalene)	Total	86	1			% Recovery	100	86	25 - 125%	PASS		0	30	PASS	
1-Methylnaphthalene	Total	1.82	1	1	5	ng/wet g						2	30	PASS	J
1-Methylphenanthrene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
2,3,5-Trimethylnaphthalene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
2,6-Dimethylnaphthalene	Total	1.26	1	1	5	ng/wet g						23	30	PASS	J
2-Methylnaphthalene	Total	4.86	1	1	5	ng/wet g						4	30	PASS	J
Acenaphthene	Total	8.99	1	1	5	ng/wet g						4	30	PASS	
Acenaphthylene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Anthracene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benz[a]anthracene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benzo[a]pyrene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benzo[b]fluoranthene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benzo[e]pyrene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benzo[g,h,i]perylene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benzo[k]fluoranthene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Biphenyl	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Chrysene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Dibenz[a,h]anthracene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Dibenzothiophene	Total	ND	1	1	5	ng/wet g						0	30	PASS	

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS		QA CODEc
Fluoranthene	Total	ND	1	1	5	ng/wet g					0	30	PASS	
Fluorene	Total	1.54	1	1	5	ng/wet g					10	30	PASS	J
Indeno[1,2,3-cd]pyrene	Total	ND	1	1	5	ng/wet g					0	30	PASS	
Naphthalene	Total	4.81	1	1	5	ng/wet g					6	30	PASS	J
Perylene	Total	ND	1	1	5	ng/wet g					0	30	PASS	
Phenanthrene	Total	1.25	1	1	5	ng/wet g					3	30	PASS	J
Pyrene	Total	ND	1	1	5	ng/wet g					0	30	PASS	

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119216-MS1	**SSB-SSDB-C3-HH Skin-off Fillets**					**Matrix: Tissue**			**Sampled: 29-Jan-24**			**Received: 17-Jun-24**	
		Method: EPA 8270E				Batch ID: O-49062			Prepared: 14-Jan-25			Analyzed: 19-Jan-25	
(d10-Acenaphthene)	Total	88	1			% Recovery	100	0	88	27 - 133%		PASS	
(d10-Phenanthrene)	Total	88	1			% Recovery	100	0	88	43 - 129%		PASS	
(d12-Chrysene)	Total	100	1			% Recovery	100	0	100	52 - 144%		PASS	
(d12-Perylene)	Total	76	1			% Recovery	100	0	76	36 - 161%		PASS	
(d8-Naphthalene)	Total	64	1			% Recovery	100	0	64	25 - 125%		PASS	
1-Methylnaphthalene	Total	373	1	1	5	ng/wet g	500	0	75	50 - 150%		PASS	
1-Methylphenanthrene	Total	637	1	1	5	ng/wet g	500	0	127	50 - 150%		PASS	
2,3,5-Trimethylnaphthalene	Total	440	1	1	5	ng/wet g	500	0	88	50 - 150%		PASS	
2,6-Dimethylnaphthalene	Total	456	1	1	5	ng/wet g	500	0	91	50 - 150%		PASS	
2-Methylnaphthalene	Total	380	1	1	5	ng/wet g	500	0	76	50 - 150%		PASS	
Acenaphthene	Total	435	1	1	5	ng/wet g	500	0	87	50 - 150%		PASS	
Acenaphthylene	Total	475	1	1	5	ng/wet g	500	0	95	50 - 150%		PASS	
Anthracene	Total	447	1	1	5	ng/wet g	500	0	89	50 - 150%		PASS	
Benz[a]anthracene	Total	546	1	1	5	ng/wet g	500	0	109	50 - 150%		PASS	
Benzo[a]pyrene	Total	464	1	1	5	ng/wet g	500	0	93	50 - 150%		PASS	
Benzo[b]fluoranthene	Total	471	1	1	5	ng/wet g	500	0	94	50 - 150%		PASS	
Benzo[e]pyrene	Total	455	1	1	5	ng/wet g	500	0	91	50 - 150%		PASS	
Benzo[g,h,i]perylene	Total	365	1	1	5	ng/wet g	500	0	73	50 - 150%		PASS	
Benzo[k]fluoranthene	Total	459	1	1	5	ng/wet g	500	0	92	50 - 150%		PASS	
Biphenyl	Total	429	1	1	5	ng/wet g	500	0	86	50 - 150%		PASS	
Chrysene	Total	505	1	1	5	ng/wet g	500	0	101	50 - 150%		PASS	
Dibenz[a,h]anthracene	Total	358	1	1	5	ng/wet g	500	0	72	50 - 150%		PASS	
Dibenzothiophene	Total	418	1	1	5	ng/wet g	500	0	84	50 - 150%		PASS	

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	420	1	1	5	ng/wet g	500	0	84	50 - 150%	PASS			
Fluorene	Total	420	1	1	5	ng/wet g	500	0	84	50 - 150%	PASS			
Indeno[1,2,3-cd]pyrene	Total	358	1	1	5	ng/wet g	500	0	72	50 - 150%	PASS			
Naphthalene	Total	299	1	1	5	ng/wet g	500	0	60	50 - 150%	PASS			
Perylene	Total	389	1	1	5	ng/wet g	500	0	78	50 - 150%	PASS			
Phenanthrene	Total	431	1	1	5	ng/wet g	500	0	86	50 - 150%	PASS			
Pyrene	Total	515	1	1	5	ng/wet g	500	0	103	50 - 150%	PASS			

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119216-MS2	**SSB-SSDB-C3-HH Skin-off Filets**					**Matrix: Tissue**			**Sampled: 29-Jan-24**			**Received: 17-Jun-24**		
		Method: EPA 8270E				Batch ID: O-49062			Prepared: 14-Jan-25			Analyzed: 19-Jan-25		
(d10-Acenaphthene)	Total	78	1			% Recovery	100	0	78	27 - 133%	PASS	12	30	PASS
(d10-Phenanthrene)	Total	84	1			% Recovery	100	0	84	43 - 129%	PASS	5	30	PASS
(d12-Chrysene)	Total	97	1			% Recovery	100	0	97	52 - 144%	PASS	3	30	PASS
(d12-Perylene)	Total	72	1			% Recovery	100	0	72	36 - 161%	PASS	5	30	PASS
(d8-Naphthalene)	Total	62	1			% Recovery	100	0	62	25 - 125%	PASS	3	30	PASS
1-Methylnaphthalene	Total	358	1	1	5	ng/wet g	500	0	72	50 - 150%	PASS	4	30	PASS
1-Methylphenanthrene	Total	597	1	1	5	ng/wet g	500	0	119	50 - 150%	PASS	7	30	PASS
2,3,5-Trimethylnaphthalene	Total	427	1	1	5	ng/wet g	500	0	85	50 - 150%	PASS	3	30	PASS
2,6-Dimethylnaphthalene	Total	421	1	1	5	ng/wet g	500	0	84	50 - 150%	PASS	8	30	PASS
2-Methylnaphthalene	Total	364	1	1	5	ng/wet g	500	0	73	50 - 150%	PASS	4	30	PASS
Acenaphthene	Total	402	1	1	5	ng/wet g	500	0	80	50 - 150%	PASS	8	30	PASS
Acenaphthylene	Total	441	1	1	5	ng/wet g	500	0	88	50 - 150%	PASS	8	30	PASS
Anthracene	Total	434	1	1	5	ng/wet g	500	0	87	50 - 150%	PASS	2	30	PASS
Benz[a]anthracene	Total	549	1	1	5	ng/wet g	500	0	110	50 - 150%	PASS	1	30	PASS
Benzo[a]pyrene	Total	455	1	1	5	ng/wet g	500	0	91	50 - 150%	PASS	2	30	PASS
Benzo[b]fluoranthene	Total	447	1	1	5	ng/wet g	500	0	89	50 - 150%	PASS	5	30	PASS
Benzo[e]pyrene	Total	444	1	1	5	ng/wet g	500	0	89	50 - 150%	PASS	2	30	PASS
Benzo[g,h,i]perylene	Total	355	1	1	5	ng/wet g	500	0	71	50 - 150%	PASS	3	30	PASS
Benzo[k]fluoranthene	Total	441	1	1	5	ng/wet g	500	0	88	50 - 150%	PASS	4	30	PASS
Biphenyl	Total	400	1	1	5	ng/wet g	500	0	80	50 - 150%	PASS	7	30	PASS
Chrysene	Total	483	1	1	5	ng/wet g	500	0	97	50 - 150%	PASS	4	30	PASS
Dibenz[a,h]anthracene	Total	345	1	1	5	ng/wet g	500	0	69	50 - 150%	PASS	4	30	PASS
Dibenzothiophene	Total	434	1	1	5	ng/wet g	500	0	87	50 - 150%	PASS	4	30	PASS

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Fluoranthene	Total	468	1	1	5	ng/wet g	500	0	94	50 - 150%	PASS	11	30	PASS	
Fluorene	Total	402	1	1	5	ng/wet g	500	0	80	50 - 150%	PASS	5	30	PASS	
Indeno[1,2,3-cd]pyrene	Total	343	1	1	5	ng/wet g	500	0	69	50 - 150%	PASS	4	30	PASS	
Naphthalene	Total	293	1	1	5	ng/wet g	500	0	59	50 - 150%	PASS	2	30	PASS	
Perylene	Total	385	1	1	5	ng/wet g	500	0	77	50 - 150%	PASS	1	30	PASS	
Phenanthrene	Total	413	1	1	5	ng/wet g	500	0	83	50 - 150%	PASS	4	30	PASS	
Pyrene	Total	545	1	1	5	ng/wet g	500	0	109	50 - 150%	PASS	6	30	PASS	

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119216-R2	**SSB-SSDB-C3-HH Skin-off Fillets**					**Matrix: Tissue**			**Sampled: 29-Jan-24**			**Received: 17-Jun-24**			
		Method: EPA 8270E				Batch ID: O-49062			Prepared: 14-Jan-25			Analyzed: 19-Jan-25			
(d10-Acenaphthene)	Total	90	1			% Recovery	100		90	27 - 133%	PASS	11	30	PASS	
(d10-Phenanthrene)	Total	88	1			% Recovery	100		88	43 - 129%	PASS	0	30	PASS	
(d12-Chrysene)	Total	107	1			% Recovery	100		107	52 - 144%	PASS	3	30	PASS	
(d12-Perylene)	Total	78	1			% Recovery	100		78	36 - 161%	PASS	5	30	PASS	
(d8-Naphthalene)	Total	69	1			% Recovery	100		69	25 - 125%	PASS	8	30	PASS	
1-Methylnaphthalene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
1-Methylphenanthrene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
2,3,5-Trimethylnaphthalene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
2,6-Dimethylnaphthalene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
2-Methylnaphthalene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Acenaphthene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Acenaphthylene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Anthracene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benz[a]anthracene	Total	1.36	1	1	5	ng/wet g						31	30	FAIL	NH
Benzo[a]pyrene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benzo[b]fluoranthene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benzo[e]pyrene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benzo[g,h,i]perylene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Benzo[k]fluoranthene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Biphenyl	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Chrysene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Dibenz[a,h]anthracene	Total	ND	1	1	5	ng/wet g						0	30	PASS	
Dibenzothiophene	Total	ND	1	1	5	ng/wet g						0	30	PASS	

Polynuclear Aromatic Hydrocarbons QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Fluoranthene	Total	ND	1	1	5	ng/wet g					0	30	PASS
Fluorene	Total	ND	1	1	5	ng/wet g					0	30	PASS
Indeno[1,2,3-cd]pyrene	Total	ND	1	1	5	ng/wet g					0	30	PASS
Naphthalene	Total	ND	1	1	5	ng/wet g					0	30	PASS
Perylene	Total	ND	1	1	5	ng/wet g					0	30	PASS
Phenanthrene	Total	ND	1	1	5	ng/wet g					0	30	PASS
Pyrene	Total	ND	1	1	5	ng/wet g					0	30	PASS

Total Extractable Organics — QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119141-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: Gravimetric					Batch ID: C-85023	Prepared: 10-Jan-25					Analyzed: 13-Jan-25	
Percent Lipids	NA	ND	1	0.01	0.05	% wet weight							
Sample ID: 119142-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: Gravimetric					Batch ID: C-85024	Prepared: 13-Jan-25					Analyzed: 15-Jan-25	
Percent Lipids	NA	ND	1	0.01	0.05	% wet weight							
Sample ID: 119143-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: Gravimetric					Batch ID: C-85025	Prepared: 14-Jan-25					Analyzed: 21-Jan-25	
Percent Lipids	NA	ND	1	0.01	0.05	% wet weight							
Sample ID: 119144-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**	**Sampled:**					**Received:**	
	Method: Gravimetric					Batch ID: C-85026	Prepared: 14-Jan-25					Analyzed: 21-Jan-25	
Percent Lipids	NA	ND	1	0.01	0.05	% wet weight							
Sample ID: 119161-R2	**SSB-OS-C1-HH Skin-off Filets**					**Matrix: Tissue**	**Sampled: 07-Sep-23**					**Received: 17-Jun-24**	
	Method: Gravimetric					Batch ID: C-85023	Prepared: 10-Jan-25					Analyzed: 13-Jan-25	
Percent Lipids	NA	0.929	1	0.01	0.05	% wet weight					14	30 PASS	
Sample ID: 119181-R2	**WSP-MB-HH Carcass**					**Matrix: Tissue**	**Sampled: 23-Aug-23**					**Received: 17-Jun-24**	
	Method: Gravimetric					Batch ID: C-85024	Prepared: 13-Jan-25					Analyzed: 15-Jan-25	
Percent Lipids	NA	5.06	1	0.01	0.05	% wet weight					4	30 PASS	
Sample ID: 119199-R2	**JS-NSDB-C1-HH Carcass**					**Matrix: Tissue**	**Sampled: 15-Sep-23**					**Received: 17-Jun-24**	
	Method: Gravimetric					Batch ID: C-85025	Prepared: 14-Jan-25					Analyzed: 21-Jan-25	
Percent Lipids	NA	6.14	1	0.01	0.05	% wet weight					6	30 PASS	
Sample ID: 119216-R2	**SSB-SSDB-C3-HH Skin-off Filets**					**Matrix: Tissue**	**Sampled: 29-Jan-24**					**Received: 17-Jun-24**	
	Method: Gravimetric					Batch ID: C-85026	Prepared: 14-Jan-25					Analyzed: 21-Jan-25	
Percent Lipids	NA	0.588	1	0.01	0.05	% wet weight					6	30 PASS	

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

Conventionals

QUALITY CONTROL REPORT

SAMPLE ID		BATCH ID	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODE
Percent Solids		**Method: SM 2540 B**					**Fraction: NA**				**Prepared: 13-Jan-25**		**Analyzed: 14-Jan-25**	
119143-B1	QAQC Procedural Blank	C-78137	ND	1	0.1	0.1	%							
119193-R2	SSB-NSDB-C1-HH	C-78137	19.7	1	0.1	0.1	%					1	30	PASS
119144-B1	QAQC Procedural Blank	C-78138	ND	1	0.1	0.1	%							
119213-R2	SSB-SSDB-C1-HH	C-78138	20	1	0.1	0.1	%					1	30	PASS
119141-B1	QAQC Procedural Blank	E-78073	ND	1	0.1	0.1	%							
119153-R2	TS-DP-C1-HH	E-78073	25.6	1	0.1	0.1	%					2	30	PASS
119163-R2	SSB-OS-C2-HH	E-78073	19.3	1	0.1	0.1	%					2	30	PASS
119142-B1	QAQC Procedural Blank	E-78075	ND	1	0.1	0.1	%							
119173-R2	KB-OS-ER	E-78075	27.1	1	0.1	0.1	%					2	30	PASS
119183-R2	CAH-MB-HH	E-78075	20.6	1	0.1	0.1	%					3	30	PASS

CHAIN OF CUSTODY

PHASE
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Innovative Solutions for Nature

PHYSIS
TIERRA AGUA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.

CHAIN of CUSTODY

COMPANY NAME: WSP USA Environment & Infrastructure Inc.	EMAIL: chris.stransky@wsp.com	PROJECT NAME / NUMBER: 2023 Regional Harbor Monitoring Program	COC PAGE: 1 of 8
PROJECT MANAGER: Chris Stransky/Marisa Swiderski	marisa.swiderski@wsp.com	PO #: EIUSC014105836 / PHYSIS SOS #:	TYPE OF ICE USED: ☑ WET ☐ BLUE ☐ DRY
COMPANY ADDRESS: 9177 Sky Park Court, San Diego, CA 92123	PHONE: (858)775-5547 (C. Stransky) (808)772-8740 (M. Swiderski)	SAMPLED BY: Kevin Stolzenbach	SHIPPED VIA: ☐ FEDEX ☐ UPS ☐ USPS ☐ Client ☑ Physis ☐ other

TURNAROUND TIME: ☑ STANDARD (15-20 business days) ☐ RUSH business days

REPORT FORMAT: ☑ PHYSIS PDF/EDD ☐ SWAMP EDD ☐ other

SPECIAL INSTRUCTIONS: **See attached for analyte lists and methods.**

PHYSIS MATRIX CODES

SW = seawater FW = freshwater RW = rainwater
WW = wastewater DW = drinking water
S = sediment T = tissue E = extract O = other (specify)

REQUESTED ANALYSES

PLEASE SEE PHYSIS SOS

	SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE date	physis matrix code	# of organisms	RHMP Standard Tissue Analyte List (see attached Table 1)
1	TS-DP-C1-HH	Carcass	9/6/23	T	9	x
2	TS-DP-C2-ER	Whole Fish	9/6/23	T	9	x
3	SSP-DP-ER	Whole Fish	8/17/23	T	6	x
4	WSP-DP-C1-HH	Carcass	8/17/23	T	3	x
5	WSP-DP-C2-ER	Whole Fish	8/17/23	T	2	x
6	CAH-DP-HH	Skin-off Filets	9/6/23	T	2	x
7	BSB-DP-HH	Skin-off Filets	9/6/23	T	3	x
8	BSB-DP-ER	Carcass + Offal	9/6/23	T	3	x
9	SSB-OS-C1-HH	Skin-off Filets	9/7/23	T	3	x
10	SSB-OS-C1-ER	Carcass + Offal	9/7/23	T	3	x

RELINQUISHED BY print	signature	company	date & time	RECEIVED BY print	signature	company	date & time
Kevin Stolzenbach		WSP	6/17/2024 1230	Adam Joll		Physis	6/17/24 1230

PHYSIS
ENVIRONMENTAL LABORATORIES, INC.

CHAIN of CUSTODY

COMPANY NAME: WSP USA Environment & Infrastructure Inc.	EMAIL: chris.stransky@wsp.com	PROJECT NAME / NUMBER: 2023 Regional Harbor Monitoring Program	COC PAGE: 2 of 8
PROJECT MANAGER: Chris Stransky/Marisa Swiderski	marisa.swiderski@wsp.com	PO #: EIUSC014105836 / PHYSIS SOS #:	TYPE OF ICE USED: ☑ WET ☐ BLUE ☐ DRY
COMPANY ADDRESS: 9177 Sky Park Court, San Diego, CA 92123	PHONE: (858)775-5547 (C. Stransky) (808)772-8740 (M. Swiderski)	SAMPLED BY: Kevin Stolzenbach	SHIPPED VIA: ☐ FEDEX ☐ UPS ☐ USPS ☐ Client ☑ Physis ☐ other

TURNAROUND TIME: ☑ STANDARD (15-20 business days) ☐ RUSH business days

REPORT FORMAT: ☑ PHYSIS PDF/EDD ☐ SWAMP EDD ☐ other

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REQUESTED ANALYSES

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	SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE date	physis matrix code	# of Orgs.	RHMP Standard Tissue Analyte List (see attached Table 1)
11	SSB-OS-C2-HH	Skin-off Filet	9/7/23	T	2	x
12	SSB-OS-C2-ER	Carcass + Offal	9/7/23	T	2	x
13	TS-OS-C1-HH	Carcass	9/7/23	T	8	x
14	TS-OS-C2-ER	Whole Fish	9/7/23	T	8	x
15	SSP-OS-C1-HH	Carcass	8/18/23	T	5	x
16	SSP-OS-C2-ER	Whole Fish	8/18/23	T	5	x
17	WSP-OS-C1-HH	Carcass	8/18/23	T	2	x
18	WSP-OS-C2-ER	Whole Fish	8/18/23	T	2	x
19	WSB-OS-HH	Skin-off Filet	9/7/23	T	3	x
20	KB-OS-HH	Skin-off Filet	9/7/23	T	3	x

RELINQUISHED BY print	signature	company	date & time	RECEIVED BY print	signature	company	date & time
Kevin Stolzenbach		WSP	6/17/2024 1230			Physis	6/17/24 1230

PHYSIS
ENVIRONMENTAL LABORATORIES, INC.

CHAIN of CUSTODY

COMPANY NAME: WSP USA Environment & Infrastructure Inc.	EMAIL: chris.stransky@wsp.com	PROJECT NAME / NUMBER: 2023 Regional Harbor Monitoring Program	COC PAGE: 3 of 8
PROJECT MANAGER: Chris Stransky/Marisa Swiderski	marisa.swiderski@wsp.com	PO #: EIUSC014105836 / PHYSIS SOS #:	TYPE OF ICE USED: ☑ WET ☐ BLUE ☐ DRY
COMPANY ADDRESS: 9177 Sky Park Court, San Diego, CA 92123	PHONE: (858)775-5547 (C. Stransky) (808)772-8740 (M. Swiderski)	SAMPLED BY: Kevin Stolzenbach	SHIPPED VIA: ☐ FEDEX ☐ UPS ☐ USPS ☐ Client ☑ Physis ☐ other

TURNAROUND TIME: ☑ STANDARD (15-20 business days) ☐ RUSH business days

REPORT FORMAT: ☑ PHYSIS PDF/EDD ☐ SWAMP EDD ☐ other

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REQUESTED ANALYSES

PLEASE SEE PHYSIS SOS

	SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE date	physis matrix code	# of organisms	RHMP Standard Tissue Analyte List (see attached Table 1)
21	KB-OS-ER	Carcass + Offal	9/7/23	T	3	x
22	SSB-MB-C1-HH	Skin-off Filet	8/23/23	T	5	x
23	SSB-MB-C1-ER	Carcass + Offal	8/23/23	T	5	x
24	SSB-MB-C2-HH	Skin-off Filet	2/12/24	T	4	x
25	SSB-MB-C2-ER	Carcass + Offal	2/12/24	T	4	x
26	SSB-MB-C3-HH	Skin-off Filet	2/23/24	T	5	x
27	SSB-MB-C3-ER	Carcass + Offal	2/23/24	T	5	x
28	SSP-MB-ER	Whole Fish	8/23/23	T	22	x
29	WSP-MB-HH	Carcass	8/23/23	T	2	x
30	WSP-MB-ER	Offal	8/23/23	T	2	x

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Kevin Stolzenbach		WSP	6/17/2024 1230			Physis	6/17/24 1230

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ENVIRONMENTAL LABORATORIES, INC.

CHAIN of CUSTODY

COMPANY NAME: WSP USA Environment & Infrastructure Inc.	EMAIL: chris.stransky@wsp.com	PROJECT NAME / NUMBER: 2023 Regional Harbor Monitoring Program	COC PAGE: 4 of 8
PROJECT MANAGER: Chris Stransky/Marisa Swiderski	marisa.swiderski@wsp.com	PO #: EIUSC014105836 / PHYSIS SOS #:	TYPE OF ICE USED: ☑ WET ☐ BLUE ☐ DRY
COMPANY ADDRESS: 9177 Sky Park Court, San Diego, CA 92123	PHONE: (858)775-5547 (C. Stransky) (808)772-8740 (M. Swiderski)	SAMPLED BY: Kevin Stolzenbach	SHIPPED VIA: ☐ FEDEX ☐ UPS ☐ USPS ☐ Client ☑ Physis ☐ other

TURNAROUND TIME: ☑ STANDARD (15-20 business days) ☐ RUSH business days

REPORT FORMAT: ☑ PHYSIS PDF/EDD ☐ SWAMP EDD ☐ other

SPECIAL INSTRUCTIONS: **See attached for analyte lists and methods.**

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REQUESTED ANALYSES

PLEASE SEE PHYSIS SOS

	SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE date	physis matrix code	# of organisms	RHMP Standard Tissue Analyte List (see attached Table 1)
31	CAH-MB-HH	Skin-off Filet	8/23/23	T	3	x
32	BSB-MB-ER	Whole Fish	8/23/23	T	4	x
33	KB-MB-ER	Whole Fish	8/23/23	T	3	x
34	RR-MB-HH	Wings Only	8/23/23	T	5	x
35	TS-MB-C1-HH	Carcass	2/12/24	T	6	x
36	TS-MB-C2-ER	Whole Fish	2/12/24	T	53	x
37	TS-MB-C3-HH	Carcass	2/23/24	T	22	x
38	TS-MB-C4-ER	Whole Fish	2/23/24	T	21	x
39	PCM-NSDB-HH	Skin-off Filet	9/15/23	T	3	x
40	PCM-NSDB-ER	Carcass + Offal	9/15/23	T	3	x

RELINQUISHED BY print	signature	company	date & time	RECEIVED BY print	signature	company	date & time
Kevin Stolzenbach		WSP	6/17/2024 1230			Physis	6/17/24 1230

PHYSIS
ENVIRONMENTAL LABORATORIES, INC.

CHAIN of CUSTODY

COMPANY NAME: WSP USA Environment & Infrastructure Inc.	EMAIL: chris.stransky@wsp.com	PROJECT NAME / NUMBER: 2023 Regional Harbor Monitoring Program	COC PAGE: 5 of 8
PROJECT MANAGER: Chris Stransky/Marisa Swiderski	marisa.swiderski@wsp.com	PO #: EIUSC014105836 / PHYSIS SOS #:	TYPE OF ICE USED: ☑ WET ☐ BLUE ☐ DRY
COMPANY ADDRESS: 9177 Sky Park Court, San Diego, CA 92123	PHONE: (858)775-5547 (C. Stransky) (808)772-8740 (M. Swiderski)	SAMPLED BY: Kevin Stolzenbach	SHIPPED VIA: ☐ FEDEX ☐ UPS ☐ USPS ☐ Client ☑ Physis ☐ other

TURNAROUND TIME: ☑ STANDARD (15-20 business days) ☐ RUSH business days

REPORT FORMAT: ☑ PHYSIS PDF/EDD ☐ SWAMP EDD ☐ other

SPECIAL INSTRUCTIONS: **See attached for analyte lists and methods.**

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REQUESTED ANALYSES

PLEASE SEE PHYSIS SOS

	SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE date	physis matrix code	# of organisms	RHMP Standard Tissue Analyte List (see attached Table 1)
41	SSB-NSDB-C1-HH	Skin-off Filet	8/24/23	T	3	x
42	SSB-NSDB-C1-ER	Carcass + Offal	8/24/23	T	3	x
43	SSB-NSDB-C2-HH	Skin-off Filet	8/24/23	T	5	x
44	SSB-NSDB-C2-ER	Carcass + Offal	8/24/23	T	5	x
45	SSB-NSDB-C3-HH	Skin-off Filet	1/31/24	T	5	x
46	SSB-NSDB-C3-ER	Carcass + Offal	1/31/24	T	5	x
47	JS-NSDB-C1-HH	Carcass	9/15/23	T	4	x
48	JS-NSDB-C1-ER	Offal	9/15/23	T	4	x
49	JS-NSDB-C2-HH	Carcass	1/31/24	T	3	x
50	TS-NSDB-C1-HH	Carcass	9/15/23	T	9	x

RELINQUISHED BY print	signature	company	date & time	RECEIVED BY print	signature	company	date & time
Kevin Stolzenbach		WSP	6/17/2024 1230			Physis	6/17/24 1230

PHYSIS
ENVIRONMENTAL LABORATORIES, INC.

CHAIN of CUSTODY

COMPANY NAME: WSP USA Environment & Infrastructure Inc.	EMAIL: chris.stransky@wsp.com	PROJECT NAME / NUMBER: 2023 Regional Harbor Monitoring Program	COC PAGE: 6 of 8
PROJECT MANAGER: Chris Stransky/Marisa Swiderski	marisa.swiderski@wsp.com	PO #: EIUSC014105836 / PHYSIS SOS #:	TYPE OF ICE USED: ☑ WET ☐ BLUE ☐ DRY
COMPANY ADDRESS: 9177 Sky Park Court, San Diego, CA 92123	PHONE: (858)775-5547 (C. Stransky) (808)772-8740 (M. Swiderski)	SAMPLED BY: Kevin Stolzenbach	SHIPPED VIA: ☐ FEDEX ☐ UPS ☐ USPS ☐ Client ☑ Physis ☐ other

TURNAROUND TIME: ☑ STANDARD (15-20 business days) ☐ RUSH business days

REPORT FORMAT: ☑ PHYSIS PDF/EDD ☐ SWAMP EDD ☐ other

SPECIAL INSTRUCTIONS: **See attached for analyte lists and methods.**

PHYSIS MATRIX CODES

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WW = wastewater DW = drinking water
S = sediment T = tissue E = extract O = other (specify)

REQUESTED ANALYSES

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	SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE date	physis matrix code	# of organisms	RHMP Standard Tissue Analyte List (see attached Table 1)
51	TS-NSDB-C1-ER	Offal	9/15/23	T	9	x
52	TS-NSDB-C2-ER	Whole Fish	9/15/23	T	9	x
53	CAH-NSDB-HH	Skin-off Filet	8/24/23	T	5	x
54	QF-NSDB-ER	Whole Fish	8/24/23	T	6	x
55	BSB-NSDB-ER	Whole Fish	8/24/23	T	3	x
56	SSP-SSDB-C1-ER	Whole Fish	8/25/23	T	11	x
57	SSP-SSDB-C2-ER	Whole Fish	8/25/23	T	11	x
58	YFC-SSDB-ER	Whole Fish	8/25/23	T	4	x
59	BC-SSDB-C1-HH	Skin-off Filet	8/25/23	T	4	x
60	BC-SSDB-C2-ER	Whole Fish	8/25/23	T	3	x

RELINQUISHED BY print	signature	company	date & time	RECEIVED BY print	signature	company	date & time
Kevin Stolzenbach		WSP	6/17/2024 1230	Adam Jo/1		Physis	6/17/24 1230

PHYSIS
ENVIRONMENTAL LABORATORIES, INC.

CHAIN of CUSTODY

COMPANY NAME: WSP USA Environment & Infrastructure Inc.	EMAIL: chris.stransky@wsp.com	PROJECT NAME / NUMBER: 2023 Regional Harbor Monitoring Program	COC PAGE: 7 of 8
PROJECT MANAGER: Chris Stransky/Marisa Swiderski	marisa.swiderski@wsp.com	PO #: EIUSC014105836 / PHYSIS SOS #:	TYPE OF ICE USED: ☑ WET ☐ BLUE ☐ DRY
COMPANY ADDRESS: 9177 Sky Park Court, San Diego, CA 92123	PHONE: (858)775-5547 (C. Stransky) (808)772-8740 (M. Swiderski)	SAMPLED BY: Kevin Stolzenbach	SHIPPED VIA: ☐ FEDEX ☐ UPS ☐ USPS ☐ Client ☑ Physis ☐ other

TURNAROUND TIME: ☑ STANDARD (15-20 business days) ☐ RUSH business days

REPORT FORMAT: ☑ PHYSIS PDF/EDD ☐ SWAMP EDD ☐ other

SPECIAL INSTRUCTIONS: **See attached for analyte lists and methods.**

PHYSIS MATRIX CODES

SW = seawater FW = freshwater RW = rainwater
WW = wastewater DW = drinking water
S = sediment T = tissue E = extract O = other (specify)

REQUESTED ANALYSES

PLEASE SEE PHYSIS SOS

	SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE date	physis matrix code	# of organisms	RHMP Standard Tissue Analyte List (see attached Table 1)
61	SSB-SSDB-C1-HH	Skin-off Filet	8/24/23	T	3	x
62	SSB-SSDB-C1-ER	Carcass + Offal	8/24/23	T	3	x
63	SSB-SSDB-C2-ER	Whole Fish	8/24/23	T	6	x
64	SSB-SSDB-C3-HH	Skin-off Filet	1/29/24	T	5	x
65	SSB-SSDB-C3-ER	Carcass + Offal	1/29/24	T	5	x
66	BSB-SSDB-C1-ER	Whole Fish	8/24/23	T	4	x
67	BSB-SSDB-C2-ER	Whole Fish	8/25/23	T	5	x
68	PB-SSDB-HH	Skin-off Filet	1/29/24	T	3	x
69	TS-SSDB-HH	Carcass	1/29/24	T	17	x
70	TS-SSDB-ER	Whole Fish	1/29/24	T	14	x

RELINQUISHED BY print	signature	company	date & time	RECEIVED BY print	signature	company	date & time
Kevin Stolzenbach		WSP	6/17/2024 1230			Physis	6/17/24 1230

PHYSIS
ENVIRONMENTAL LABORATORIES, INC.

CHAIN of CUSTODY

COMPANY NAME: WSP USA Environment & Infrastructure Inc.	EMAIL: chris.stransky@wsp.com	PROJECT NAME / NUMBER: 2023 Regional Harbor Monitoring Program	COC PAGE: 8 of 8
PROJECT MANAGER: Chris Stransky/Marisa Swiderski	marisa.swiderski@wsp.com	PO #: EIUSC014105836 / PHYSIS SOS #:	TYPE OF ICE USED: ☑ WET ☐ BLUE ☐ DRY
COMPANY ADDRESS: 9177 Sky Park Court, San Diego, CA 92123	PHONE: (858)775-5547 (C. Stransky), (808)772-8740 (M. Swiderski)	SAMPLED BY: Kevin Stolzenbach	SHIPPED VIA: ☐ FEDEX ☐ UPS ☐ USPS ☐ Client ☑ Physis ☐ other

TURNAROUND TIME: ☑ STANDARD (15-20 business days) ☐ RUSH business days

REPORT FORMAT: ☑ PHYSIS PDF/EDD ☐ SWAMP EDD ☐ other

SPECIAL INSTRUCTIONS: **See attached for analyte lists and methods.**

PHYSIS MATRIX CODES

SW = seawater FW = freshwater RW = rainwater
WW = wastewater DW = drinking water
S = sediment T = tissue E = extract O = other (specify)

REQUESTED ANALYSES

PLEASE SEE PHYSIS SOS

	SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE date	physis matrix code	# of organisms	RHMP Standard Tissue Analyte List (see attached Table 1)
71	RR-SSDB-HH	Wings Only	8/24/23	T	5	x
72	SA-SSDB-C1-HH	Carcass	8/25/23	T	25	x
73	SA-SSDB-C2-ER	Whole Fish	8/25/23	T	25	x
74	SA-SSDB-C3-HH	Carcass	8/25/23	T	25	x
75	SA-SSDB-C4-ER	Whole Fish	8/25/23	T	24	x
76						
77						
78						
79						
80						

RELINQUISHED BY print	signature	company	date & time	RECEIVED BY print	signature	company	date & time
Kevin Stolzenbach		WSP	6/17/2024 1230	Adam Iddl		Physis	6/17/24 1230

Table 1. Chemical Analyses of Tissue Samples

Analyte	Analysis Method	Tissue Target Reporting Limit [a]	Units
Percent Solids	SM 2540 B	0.1	% ww
Percent Lipids	Gravimetric	0.05	% ww
Arsenic	EPA 6020	0.05	µg/g ww
Mercury	EPA 245.7	0.02	ng/g ww
Selenium	EPA 6020	0.05	µg/g ww
Polycyclic Aromatic Hydrocarbons (PAHs) [b]	EPA 8270E	5.0	ng/g ww
Chlorinated Pesticides [c]	EPA 8270E	0.2–10	ng/g ww
Polychlorinated Biphenyl (PCB) Congeners [d]	EPA 8270E	1.0	ng/g ww
Per- and Polyfluoroalkyl Substances (PFAS) [e]	EPA 1633	1.0	ng/g ww

Notes:

a. Tissue target reporting limits provided by Physis Environmental Laboratories are on a wet-weight basis.

b. Includes 1,6,7-trimethylnaphthalene, 1-methylnapthalene, 1-methylphenanthrene, 2,6-dimethylnaphthalene, 2-methylnapthalene, acenaphthene, acenaphthylene, anthracene, benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[e]pyrene, benzo[g,h,i]perylene, benzo[k]fluoranthene, biphenyl, chrysene, dibenz[a,h]anthracene, dibenzothiophene, fluoranthene, fluorene, indeno[1,2,3-c,d]pyrene, naphthalene, perylene, phenanthrene, and pyrene.

c. Includes 2,4'-DDD, 2,4'-DDE, 2,4'-DDT, 4,4'-DDD, 4,4'-DDE, 4,4'-DDMU, 4,4'-DDT, aldrin, BHC-alpha, BHC-beta, BHC-gamma, cis-chlordane, trans-chlordane, cis-nonachlor, DCPA (Dacthal), dicofol, dieldrin, endosulfan sulfate, endosulfan-I, endosulfan-II, endrin, endrin aldehyde, endrin ketone, heptachlor, heptachlor epoxide, methoxychlor, mirex, oxychlordane, perthane, toxaphene, and trans-nonachlor.

d. Includes congeners: PCB-3, 5, 8, 15, 18, 27, 28, 29, 31, 33, 37, 44, 49, 52, 56(60), 66, 70, 74, 77, 81, 87, 95, 97, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 137, 138, 141, 149, 151, 153, 156, 157, 158, 167, 168+132, 169, 170, 174, 177, 180, 183, 187, 189, 194, 195, 199(200), 201, 203, 206, and 209.

e. Includes perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA).

µg/g = microgram(s) per gram; EPA = United States Environmental Protection Agency; ng/g = nanogram(s) per gram; SM = Standard Method; ww = wet weight

RHMP 2023 Fish Composite Labeling ID Key and Dissection Instructions

Species	KEY
Spotted Sand Bass	SSB
Topsmelt	TS
Shiner Surfperch	SSP
White Surfperch	WSP
California Halibut	CAH
Yellowfin Croaker	YFC
Black Croaker	BC
Queenfish	QF
White Seabass	WSB
Barred Sand Bass	BSB
Kelp Bass	KB
Round Ray	RR
Pacific Chub Mackerel	PCM
Jacksmelt	JS
Pacific Barracuda	PB
Slough Anchovy	SA

Locations	KEY
Dana Point	DP
Oceanside	OS
Mission Bay	MB
North SD Bay	NSDB
South SD Bay	SSDB

Composite #	KEY
Composite 1	C1
Composite 2	C2
Composite 3	C3
Composite 4	C4

Analysis Type	KEY
Human Health	HH
Ecological Risk	ER

Dissection Instructions	KEY
Whole Fish	Entire fish, no dissection necessary
Skin-off Filet	Muscle filet from both sides of fish with skin removed. **Use equal amounts of filet from each fish to make composite.** Include skin with offal and carcass if ecorisk analysis is being performed on the same composite
Carcass	Remove the guts (intestines, heart, liver, etc.) leaving the head, muscle, skeleton and tail intact. If filet was taken already for HH then exclude muscle from this category
Offal	This only includes the guts (intestines, heart, liver, etc.)
Carcass + Offal (include skin from filet)	Where human health (HH) and ecorisk (ER) are being performed on the same fish composite. After the skin-off filets have been removed for HH, analyze the remainder of the fish (including skin from filet) for ER. No need to remove offal from carcass before homogenization
Wings Only	For stingrays only, remove both wings for analysis. Do not include any additional offal or skeletal pieces

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PHYSIS
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Innovative Solutions for Nature

Project Iteration ID: 2307008-026
Client Name: WSP USA
Project Name: 2023 Regional Harbor monitoring Program Project # EIUSC014105836
COC Page Number: 11 of 11
Bottle Label Color: NA

Sample Receipt Summary

Receiving Info

1. Initials Received By: [redacted]
2. Date Received: 6/17/24
3. Time Received: 1230
4. Client Name: WSP
5. Courier Information: (Please circle)
   - Client • UPS • Area Fast • DRS
   - FedEx • GSO/GLS • Ontrac • PAMS
   - PHYSIS Driver:
     i. Start Time: 10:00
     ii. End Time: 1500
     iii. Total Mileage: _____
     iv. Number of Pickups: 1
6. Container Information: (Please put the # of containers or circle none)
   - 4 Cooler • __ Styrofoam Cooler • ____ Boxes • None
   - ___ Carboy(s) • __Carboy Trash Can(s) • ____ Carboy Cap(s) • Other _____
7. ~~What type~~ of ice was used: (Please circle any that apply)
   - Wet Ice • Blue Ice • Dry Ice • Water • None
8. ~~Randomly~~ Selected Samples Temperature (°C): 3.0 Used I/R Thermometer # 1-2

Inspection Info

1. Initials Inspected By: [redacted]

Sample Integrity Upon Receipt:

1. COC(s) included and completely filled out..... Yes / No
2. All sample containers arrived intact..... Yes / No
3. All samples listed on COC(s) are present..... Yes / No
4. Information on containers consistent with information on COC(s)..... Yes / No
5. Correct containers and volume for all analyses indicated..... Yes / No
6. All samples received within method holding time..... Yes / No
7. Correct preservation used for all analyses indicated..... Yes / No
8. Name of sampler included on COC(s)..... Yes / No

Notes:

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January 09, 2026

Marisa Swiderski
WSP USA
9177 Sky Park Court
San Diego, CA 92123-

Project Name: 2023 Regional Harbor monitoring Program Project # EIUSC014105836
Physis Project ID: 2307008-026

Dear Marisa,

Enclosed are the analytical results for samples submitted to PHYSIS Environmental Laboratories, Inc. (PHYSIS) on 6/17/2024. A total of 75 samples were received for analysis in accordance with the attached chain of custody (COC). Per the COC, the samples were analyzed for:

Elements
Organics
PFAS by EPA 1633

Analytical results in this report apply only to samples submitted to PHYSIS in accordance with the COC and are intended to be considered in their entirety.

Please feel free to contact me at any time with any questions. PHYSIS appreciates the opportunity to provide you with our analytical and support services.

Regards,

Rich Gossett
714 602-5320
Extension 201
richgossett@physislabs.com

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PROJECT SAMPLE LIST

WSP USA — PHYSIS Project ID: 2307008-026

2023 Regional Harbor monitoring Program Project # EIUSC014105836 — Total Samples: 75

PHYSIS ID	Sample ID	Description	Date	Time	Matrix	Sample Type
119153	TS-DP-C1-HH	Carcass	9/6/2023		Tissue	Non Specific
119154	TS-DP-C2-ER	Whole Fish	9/6/2023		Tissue	Non Specific
119155	SSP-DP-ER	Whole Fish	8/17/2023		Tissue	Non Specific
119156	WSP-DP-C1-HH	Carcass	8/17/2023		Tissue	Non Specific
119157	WSP-DP-C2-ER	Whole Fish	8/17/2023		Tissue	Non Specific
119158	CA-DP-HH	Skin-off Filets	9/6/2023		Tissue	Non Specific
119159	BSB-DP-HH	Skin-off Filtets	9/6/2023		Tissue	Non Specific
119160	BSB-DP-ER	Carcass + Offal	9/6/2023		Tissue	Non Specific
119161	SSB-OS-C1-HH	Skin-off Filets	9/7/2023		Tissue	Non Specific
119162	SSB-OS-C1-ER	Carcass + Offal	9/7/2023		Tissue	Non Specific
119163	SSB-OS-C2-HH	Skin-off Filets	9/7/2023		Tissue	Non Specific
119164	SSB-OS-C2-ER	Carcass + Offal	9/7/2023		Tissue	Non Specific
119165	TS-OS-C1-HH	Carcass	9/7/2023		Tissue	Non Specific
119166	TS-OS-C2-ER	Whole Fish	9/7/2023		Tissue	Non Specific
119167	SSP-OS-C1-HH	Carcass	8/18/2023		Tissue	Non Specific
119168	SSP-OS-C2-ER	Whole Fish	8/18/2023		Tissue	Non Specific
119169	WSP-OS-C1-HH	Carcass	8/18/2023		Tissue	Non Specific
119170	WSP-OS-C2-ER	Whole Fish	8/18/2023		Tissue	Non Specific
119171	WSB-OS-HH	Skin-off Filets	9/7/2023		Tissue	Non Specific
119172	KB-OS-HH	Skin-off Filets	9/7/2023		Tissue	Non Specific
119173	KB-OS-ER	Carcass + Offal	9/7/2023		Tissue	Non Specific
119174	SSB-MB-C1-HH	Skin-off Filets	8/23/2023		Tissue	Non Specific
119175	SSB-MB-C1-ER	Carcass + Offal	8/23/2023		Tissue	Non Specific
119176	SSB-MB-C2-HH	Skin-off Filets	2/12/2024		Tissue	Non Specific
119177	SSB-MB-C2-ER	Carcass + Offal	2/12/2024		Tissue	Non Specific
119178	SSB-MB-C3-HH	Skin-off Filets	2/23/2024		Tissue	Non Specific
119179	SSB-MB-C3-ER	Carcass + Offal	2/23/2024		Tissue	Non Specific
119180	SSP-MB-ER	Whole Fish	8/23/2023		Tissue	Non Specific
119181	WSP-MB-HH	Carcass	8/23/2023		Tissue	Non Specific
119182	WSP-MB-ER	Offal	8/23/2023		Tissue	Non Specific
119183	CAH-MB-HH	Skin-off Filets	8/23/2023		Tissue	Non Specific
119184	BSB-MB-ER	Whole Fish	8/23/2023		Tissue	Non Specific
119185	KB-MB-ER	Whole Fish	8/23/2023		Tissue	Non Specific
119186	RR-MB-HH	Wings Only	8/23/2023		Tissue	Non Specific
119187	TS-MB-C1-HH	Carcass	2/12/2024		Tissue	Non Specific

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WSP USA PHYSIS Project ID: 2307008-026

2023 Regional Harbor monitoring Program Project # EIUSC014105836 Total Samples: 75

PHYSIS ID	Sample ID	Description	Date	Time	Matrix	Sample Type
119188	TS-MB-C2-ER	Whole Fish	2/12/2024		Tissue	Non Specific
119189	TS-MB-C3-HH	Carcass	2/23/2024		Tissue	Non Specific
119190	TS-MB-C4-ER	Whole Fish	2/23/2024		Tissue	Non Specific
119191	PCM-NSDB-HH	Skin-off Filets	9/15/2023		Tissue	Non Specific
119192	PCM-NSDB-ER	Carcass + Offal	9/15/2023		Tissue	Non Specific
119193	SSB-NSDB-C1-HH	Skin-off Filets	8/24/2023		Tissue	Non Specific
119194	SSB-NSDB-C1-ER	Carcass + Offal	8/24/2023		Tissue	Non Specific
119195	SSB-NSDB-C2-HH	Skin-off Filets	8/24/2023		Tissue	Non Specific
119196	SSB-NSDB-C2-ER	Carcass + Offal	8/24/2023		Tissue	Non Specific
119197	SSB-NSDB-C3-HH	Skin-off Filets	1/31/2024		Tissue	Non Specific
119198	SSB-NSDB-C3-ER	Carcass + Offal	1/31/2024		Tissue	Non Specific
119199	JS-NSDB-C1-HH	Carcass	9/15/2023		Tissue	Non Specific
119200	JS-NSDB-C1-ER	Offal	9/15/2023		Tissue	Non Specific
119201	JS-NSDB-C2-HH	Carcass	1/31/2024		Tissue	Non Specific
119202	TS-NSDB-C1-HH	Carcass	9/15/2023		Tissue	Non Specific
119203	TS-NSDB-C1-ER	Offal	9/15/2023		Tissue	Non Specific
119204	TS-NSDB-C2-ER	Whole Fish	9/15/2023		Tissue	Non Specific
119205	CAH-NSDB-HH	Skin-off Filets	8/24/2023		Tissue	Non Specific
119206	QF-NSDB-ER	Whole Fish	8/24/2023		Tissue	Non Specific
119207	BSB-NSDB-ER	Whole Fish	8/24/2023		Tissue	Non Specific
119208	SSP-SSDB-C1-ER	Whole Fish	8/25/2023		Tissue	Non Specific
119209	SSP-SSDB-C2-ER	Whole Fish	8/25/2023		Tissue	Non Specific
119210	YFC-SSDB-ER	Whole Fish	8/25/2023		Tissue	Non Specific
119211	BC-SSDB-C1-HH	Skin-off Filets	8/25/2023		Tissue	Non Specific
119212	BC-SSDB-C1-ER	Whole Fish	8/25/2023		Tissue	Non Specific
119213	SSB-SSDB-C1-HH	Skin-off Filets	8/24/2023		Tissue	Non Specific
119214	SSB-SSDB-C1-ER	Carcass + Offal	8/24/2023		Tissue	Non Specific
119215	SSB-SSDB-C2-ER	Whole Fish	8/24/2023		Tissue	Non Specific
119216	SSB-SSDB-C3-HH	Skin-off Filets	1/29/2024		Tissue	Non Specific
119217	SSB-SSDB-C3-ER	Carcass + Offal	1/29/2024		Tissue	Non Specific
119218	BSB-SSDB-C1-ER	Whole Fish	8/24/2023		Tissue	Non Specific
119219	BSB-SSDB-C2-ER	Whole Fish	8/25/2023		Tissue	Non Specific
119220	PB-SSDB-HH	Skin-off Filets	1/29/2024		Tissue	Non Specific
119221	TS-SSDB-HH	Carcass	1/29/2024		Tissue	Non Specific
119222	TS-SSDB-ER	Whole Fish	1/29/2024		Tissue	Non Specific
119223	RR-SSDB-HH	Wings Only	8/24/2023		Tissue	Non Specific
119224	SA-SSDB-C1-HH	Carcass	8/25/2023		Tissue	Non Specific

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WSP USA PHYSIS Project ID: 2307008-026

2023 Regional Harbor monitoring Program Project # EIUSC014105836 Total Samples: 75

PHYSIS ID	Sample ID	Description	Date	Time	Matrix	Sample Type
119225	SA-SSDB-C2-ER	Whole Fish	8/25/2023		Tissue	Non Specific
119226	SA-SSDB-C3-HH	Carcass	8/25/2023		Tissue	Non Specific
119227	SA-SSDB-C4-ER	Whole Fish	8/25/2023		Tissue	Non Specific

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ABBREVIATIONS and ACRONYMS

QM	Quality Manual
QA	Quality Assurance
QC	Quality Control
MDL	method detection limit
RL	reporting limit
R1	project sample
R2	project sample replicate
MS1	matrix spike
MS2	matrix spike replicate
B1	procedural blank
B2	procedural blank replicate
BS1	blank spike
BS2	blank spike replicate
LCS1	laboratory control spike
LCS2	laboratory control spike replicate
LCM1	laboratory control material
LCM2	laboratory control material replicate
CRM1	certified reference material
CRM2	certified reference material replicate
RPD	relative percent difference
LMW	low molecular weight
HMW	high molecular weight

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QUALITY ASSURANCE SUMMARY

LABORATORY BATCH: Physis' QM defines a laboratory batch as a group of 20 or fewer project samples of similar matrix, processed together under the same conditions and with the same reagents. QC samples are associated with each batch and were used to assess the validity of the sample analyses.

PROCEDURAL BLANK: Laboratory contamination introduced during method use is assessed through the preparation and analysis of procedural blanks is provided at a minimum frequency of one per batch.

ACCURACY: Accuracy of analytical measurements is the degree of closeness based on percent recovery calculations between measured values and the actual or true value and includes a combination of reproducibility error and systematic bias due to sampling and analytical operations. Accuracy of the project data was indicated by analysis of MS, BS, LCS, LCM, CRM, and/or surrogate spikes on a minimum frequency of one per batch. Physis' QM requires that 95% of the target compounds greater than 10 times the MDL be within the specified acceptance limits.

PRECISION: Precision is the agreement among a set of replicate measurements without assumption of knowledge of the true value and is based on RPD calculations between repeated values. Precision of the project data was determined by analysis of replicate MS1/MS2, BS1/BS2, LCS1/LCS2, LCM1/LCM2, CRM1/CRM2, surrogate spikes and/or replicate project sample analysis (R1/R2) on a minimum frequency of one per batch. Physis' QM requires that for 95% of the compounds greater than 10 times the MDL, the percent RPD should be within the specified acceptance range.

BLANK SPIKES: BS is the introduction of a known concentration of analyte into the procedural blank. BS demonstrates performance of the preparation and analytical methods on a clean matrix void of potential matrix related interferences. The BS is performed in laboratory deionized water, making these recoveries a better indicator of the efficiency of the laboratory method per se.

MATRIX SPIKES: MS is the introduction of a known concentration of analyte into a sample. MS samples demonstrate the effect a particular project sample matrix has on the accuracy of a measurement. Individually, MS samples also indicate the bias of analytical measurements due to chemical interferences inherent in the in the specific project sample spiked. Intrinsic target analyte concentration in the specific project sample can also significantly impact MS recovery.

CERTIFIED REFERENCE MATERIALS: CRMs are materials of various matrices for which analytical information has been determined and certified by a recognized authority. These are used to provide a quantitative assessment of the accuracy of an analytical method. CRMs provide evidence that the laboratory preparation and analysis produces results that are comparable to those obtained by an independent organization.

LABORATORY CONTROL MATERIAL: LCM is provided because a suitable natural seawater CRM is not available and can be used to indicate accuracy of the method. Physis' internal LCM is seawater collected at ~800 meters in the Southern California San Pedro Basin and can be used as a reference for background concentrations in clean, natural seawater for comparison to project samples.

LABORATORY CONTROL SPIKES: LCS is the introduction of a known concentration of analyte into Physis' LCM. LCS samples were employed to assess the effect the seawater matrix has on the accuracy of a measurement. LCS also indicate the bias of this method due to chemical interferences inherent in the in the seawater matrix. Intrinsic LCM concentration can also significantly impact LCS recovery.

SURROGATES: A surrogate is a pure analyte unlikely to be found in any project sample, behaves similarly to

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the target analyte and most often used with organic analytical procedures. Surrogates are added in known concentration to all samples and are measured to indicate overall efficiency of the method including processing and analyses.

HOLDING TIME: Method recommended holding times are the length of time a project sample can be stored under specific conditions after collection and prior to analysis without significantly affecting the analyte's concentration. Holding times can be extended if preservation techniques are employed to reduce biodegradation, volatilization, oxidation, sorption, precipitation, and other physical and chemical processes.

SAMPLE STORAGE/RETENTION: In order to maintain chemical integrity prior to analysis, all samples submitted to Physis are refrigerated (liquids) or frozen (solids) upon receipt unless otherwise recommended by applicable methods. Solid samples are retained for 1 year from collection while liquid samples are retained until method recommended holding times elapse.

TOTAL/DISSOLVED FRACTION: In some instances, the results for the dissolved fraction may be higher than the total fraction for a particular analyte (e.g. trace metals). This is typically caused by the analytical variation for each result and indicates that the target analyte is primarily in the dissolved phase, within the sample.

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PHYSIS QUALIFIER CODES

CODE	DEFINITION
#	see Case Narrative
ND	analyte not detected at or above the MDL
B	analyte was detected in the procedural blank greater than 10 times the MDL
E	analyte concentration exceeds the upper limit of the linear calibration range, reported value is estimated
H	sample received and/or analyzed past the recommended holding time
J	analyte was detected at a concentration below the RL and above the MDL, reported value is estimated
N	insufficient sample, analysis could not be performed
M	analyte was outside the specified accuracy and/or precision acceptance limits due to matrix interference. The associated B/BS were within limits, therefore the sample data was reported without further clarification
SH	analyte concentration in the project sample exceeded the spike concentration, therefore accuracy and/or precision acceptance limits do not apply
SL	analyte results were lower than 10 times the MDL, therefore accuracy and/or precision acceptance limits do not apply
NH	project sample was heterogeneous and sample homogeneity could not be readily achieved using routine laboratory practices, therefore accuracy and/or precision acceptance limits do not apply
Q	analyte was outside the specified QAPP acceptance limits for precision and/or accuracy but within Physis derived acceptance limits, therefore the sample data was reported without further clarification
R	Physis' QM allows for 5% of the target compounds greater than 10 times the MDL to be outside the specified acceptance limits for precision and/or accuracy. This is often due to random error and does not indicate any significant problems with the analysis of these project samples

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ANALYTICAL REPORT

PHYSIS
TERRA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119153-R1	**TS-DP-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 06-Sep-23**			**Received: 17-Jun-24**	
(13C8-PFOA)	EPA 1633	% Recovery	74	1			NA		O-47082	14-Oct-25	14-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	69	1			NA		O-47082	14-Oct-25	14-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	14-Nov-25
PFOS	EPA 1633	ng/wet g	ND	1	0.145	0.5	NA		O-47082	14-Oct-25	14-Nov-25
Sample ID: 119154-R1	**TS-DP-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 06-Sep-23**			**Received: 17-Jun-24**	
(13C8-PFOA)	EPA 1633	% Recovery	75	1			NA		O-47082	14-Oct-25	14-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	66	1			NA		O-47082	14-Oct-25	14-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	14-Nov-25
PFOS	EPA 1633	ng/wet g	ND	1	0.145	0.5	NA		O-47082	14-Oct-25	14-Nov-25
Sample ID: 119155-R1	**SSP-DP-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 17-Aug-23**			**Received: 17-Jun-24**	
(13C8-PFOA)	EPA 1633	% Recovery	60	1			NA		O-47082	14-Oct-25	14-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	62	1			NA		O-47082	14-Oct-25	14-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	14-Nov-25
PFOS	EPA 1633	ng/wet g	ND	1	0.145	0.5	NA		O-47082	14-Oct-25	14-Nov-25
Sample ID: 119156-R1	**WSP-DP-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 17-Aug-23**			**Received: 17-Jun-24**	
(13C8-PFOA)	EPA 1633	% Recovery	65	1			NA		O-47082	14-Oct-25	14-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	57	1			NA		O-47082	14-Oct-25	14-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	14-Nov-25
PFOS	EPA 1633	ng/wet g	0.175	1	0.145	0.5	NA	J	O-47082	14-Oct-25	14-Nov-25

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119157-R1	**WSP-DP-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**17-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	69	1			NA		O-47082	14-Oct-25	14-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	63	1			NA		O-47082	14-Oct-25	14-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	14-Nov-25
PFOS	EPA 1633	ng/wet g	ND	1	0.145	0.5	NA		O-47082	14-Oct-25	14-Nov-25
Sample ID: 119158-R1	**CA-DP-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**06-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	62	1			NA		O-47082	14-Oct-25	14-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	59	1			NA		O-47082	14-Oct-25	14-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	14-Nov-25
PFOS	EPA 1633	ng/wet g	0.16	1	0.145	0.5	NA	J	O-47082	14-Oct-25	14-Nov-25
Sample ID: 119159-R1	**BSB-DP-HH Skin-off Filtets**		**Matrix: Tissue**				**Sampled:**	**06-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	70	1			NA		O-47082	14-Oct-25	14-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	62	1			NA		O-47082	14-Oct-25	14-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	14-Nov-25
PFOS	EPA 1633	ng/wet g	0.163	1	0.145	0.5	NA	J	O-47082	14-Oct-25	14-Nov-25
Sample ID: 119160-R1	**BSB-DP-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**06-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	67	1			NA		O-47082	14-Oct-25	14-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	62	1			NA		O-47082	14-Oct-25	14-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	14-Nov-25
PFOS	EPA 1633	ng/wet g	0.974	1	0.145	0.5	NA		O-47082	14-Oct-25	14-Nov-25

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119161-R1	**SSB-OS-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	69	1			NA		O-47082	14-Oct-25	14-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	63	1			NA		O-47082	14-Oct-25	14-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	14-Nov-25
PFOS	EPA 1633	ng/wet g	0.19	1	0.145	0.5	NA	J	O-47082	14-Oct-25	14-Nov-25
Sample ID: 119162-R1	**SSB-OS-C1-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	68	1			NA		O-47082	14-Oct-25	14-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	64	1			NA		O-47082	14-Oct-25	14-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	14-Nov-25
PFOS	EPA 1633	ng/wet g	ND	1	0.145	0.5	NA		O-47082	14-Oct-25	14-Nov-25
Sample ID: 119163-R1	**SSB-OS-C2-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	71	1			NA		O-47082	14-Oct-25	15-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	67	1			NA		O-47082	14-Oct-25	15-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	15-Nov-25
PFOS	EPA 1633	ng/wet g	0.225	1	0.145	0.5	NA	J	O-47082	14-Oct-25	15-Nov-25
Sample ID: 119164-R1	**SSB-OS-C2-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	67	1			NA		O-47082	14-Oct-25	15-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	65	1			NA		O-47082	14-Oct-25	15-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	15-Nov-25
PFOS	EPA 1633	ng/wet g	0.466	1	0.145	0.5	NA	J	O-47082	14-Oct-25	15-Nov-25

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119165-R1	**TS-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	73	1			NA		O-47082	14-Oct-25	15-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	70	1			NA		O-47082	14-Oct-25	15-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	15-Nov-25
PFOS	EPA 1633	ng/wet g	0.182	1	0.145	15	NA	J	O-47082	14-Oct-25	15-Nov-25
Sample ID: 119166-R1	**TS-OS-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	74	1			NA		O-47082	14-Oct-25	15-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	66	1			NA		O-47082	14-Oct-25	15-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	15-Nov-25
PFOS	EPA 1633	ng/wet g	0.173	1	0.145	0.5	NA	J	O-47082	14-Oct-25	15-Nov-25
Sample ID: 119167-R1	**SSP-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**18-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	68	1			NA		O-47082	14-Oct-25	15-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	61	1			NA		O-47082	14-Oct-25	15-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	15-Nov-25
PFOS	EPA 1633	ng/wet g	ND	1	0.145	0.5	NA		O-47082	14-Oct-25	15-Nov-25
Sample ID: 119168-R1	**SSP-OS-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**18-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	51	1			NA		O-47082	14-Oct-25	15-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	47	1			NA		O-47082	14-Oct-25	15-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	15-Nov-25
PFOS	EPA 1633	ng/wet g	ND	1	0.145	0.5	NA		O-47082	14-Oct-25	15-Nov-25

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119169-R1	**WSP-OS-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**18-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	69	1			NA		O-47082	14-Oct-25	15-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	69	1			NA		O-47082	14-Oct-25	15-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	15-Nov-25
PFOS	EPA 1633	ng/wet g	ND	1	0.145	0.5	NA		O-47082	14-Oct-25	15-Nov-25
Sample ID: 119170-R1	**WSP-OS-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**18-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	51	1			NA		O-47082	14-Oct-25	15-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	52	1			NA		O-47082	14-Oct-25	15-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	15-Nov-25
PFOS	EPA 1633	ng/wet g	ND	1	0.145	0.5	NA		O-47082	14-Oct-25	15-Nov-25
Sample ID: 119172-R1	**KB-OS-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	74	1			NA		O-47082	14-Oct-25	14-Nov-25
(13C8-PFOS)	EPA 1633	% Recovery	70	1			NA		O-47082	14-Oct-25	14-Nov-25
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47082	14-Oct-25	14-Nov-25
PFOS	EPA 1633	ng/wet g	ND	1	0.145	0.5	NA		O-47082	14-Oct-25	14-Nov-25

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119171-R1	**WSB-OS-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	73	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	78	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.215	1	0.105	0.5	NA	J	O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	1.847	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119173-R1	**KB-OS-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**07-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	80	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	93	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.723	1	0.105	0.5	NA		O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	3.317	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119174-R1	**SSB-MB-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	79	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	77	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.345	1	0.105	0.5	NA	J	O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	2.665	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119175-R1	**SSB-MB-C1-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**23-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	81	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	78	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.788	1	0.105	0.5	NA		O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	7.35	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119176-R1	**SSB-MB-C2-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**12-Feb-24**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	81	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	80	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.268	1	0.105	0.5	NA	J	O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	2.86	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119177-R1	**SSB-MB-C2-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**12-Feb-24**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	83	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	82	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.595	1	0.105	0.5	NA		O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	11.52	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119178-R1	**SSB-MB-C3-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**23-Feb-24**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	81	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	79	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.715	1	0.105	0.5	NA		O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	6.472	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119179-R1	**SSB-MB-C3-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled:**	**23-Feb-24**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	74	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	76	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	1.3	1	0.105	0.5	NA		O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	25.21	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119180-R1	**SSP-MB-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	79	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	76	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.776	1	0.105	0.5	NA		O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	1.844	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119181-R1	**WSP-MB-HH Carcass**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	79	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	76	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.677	1	0.105	0.5	NA		O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	2.435	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119182-R1	**WSP-MB-ER Offal**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	83	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	81	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.702	1	0.105	0.5	NA		O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	5.169	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119183-R1	**CAH-MB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	71	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	74	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.507	1	0.105	0.5	NA		O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	11.07	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119184-R1	**BSB-MB-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received: 17-Jun-24**	
(13C8-PFOA)	EPA 1633	% Recovery	73	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	76	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.785	1	0.105	0.5	NA		O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	8.824	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119185-R1	**KB-MB-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received: 17-Jun-24**	
(13C8-PFOA)	EPA 1633	% Recovery	71	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	75	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.791	1	0.105	0.5	NA		O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	2.477	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119186-R1	**RR-MB-HH Wings Only**		**Matrix: Tissue**				**Sampled: 23-Aug-23**			**Received: 17-Jun-24**	
(13C8-PFOA)	EPA 1633	% Recovery	68	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	67	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	1.578	1	0.105	0.5	NA		O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	5.777	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119187-R1	**TS-MB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled: 12-Feb-24**			**Received: 17-Jun-24**	
(13C8-PFOA)	EPA 1633	% Recovery	79	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	80	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.317	1	0.105	0.5	NA	J	O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	6.143	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119188-R1	**TS-MB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**12-Feb-24**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	75	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	75	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.314	1	0.105	0.5	NA	J	O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	10.46	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119189-R1	**TS-MB-C3-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**23-Feb-24**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	63	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	65	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.209	1	0.105	0.5	NA	J	O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	7.735	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119190-R1	**TS-MB-C4-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**23-Feb-24**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	74	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	73	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.347	1	0.105	0.5	NA	J	O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	11.58	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119191-R1	**PCM-NSDB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	92	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	77	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.254	1	0.105	0.5	NA	J	O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	1.186	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119192-R1	**PCM-NSDB-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	81	1			NA		O-47086	12-Jan-26	12-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	85	1			NA		O-47086	12-Jan-26	12-Jan-26
PFOA	EPA 1633	ng/wet g	0.325	1	0.105	0.5	NA	J	O-47086	12-Jan-26	12-Jan-26
PFOS	EPA 1633	ng/wet g	2.891	1	0.145	0.5	NA		O-47086	12-Jan-26	12-Jan-26
Sample ID: 119193-R1	**SSB-NSDB-C1-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	96	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	107	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.098	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	0.926	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26
Sample ID: 119194-R1	**SSB-NSDB-C1-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	99	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	105	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.182	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	5.051	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26
Sample ID: 119195-R1	**SSB-NSDB-C2-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	99	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	104	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.07	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	0.512	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119196-R1	**SSB-NSDB-C2-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	101	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	109	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.116	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	2.585	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26
Sample ID: 119197-R1	**SSB-NSDB-C3-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	98	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	110	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.161	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	1.243	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26
Sample ID: 119198-R1	**SSB-NSDB-C3-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	99	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	106	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.172	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	4.089	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26
Sample ID: 119199-R1	**JS-NSDB-C1-HH Carcass**	**Matrix: Tissue**					**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	101	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	107	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.101	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	1.149	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119200-R1	**JS-NSDB-C1-ER Offal**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	104	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	107	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	2.172	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26
Sample ID: 119201-R1	**JS-NSDB-C2-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**31-Jan-24**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	98	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	107	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.246	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	1.617	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26
Sample ID: 119202-R1	**TS-NSDB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	99	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	109	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.333	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	1.511	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26
Sample ID: 119203-R1	**TS-NSDB-C1-ER Offal**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	99	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	103	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	ND	1	0.105	0.5	NA		O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	3.139	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119204-R1	**TS-NSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**15-Sep-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	103	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	106	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.252	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	1.654	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26
Sample ID: 119205-R1	**CAH-NSDB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	95	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	103	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.194	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	2.457	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26
Sample ID: 119206-R1	**QF-NSDB-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	105	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	111	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.18	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	5.38	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26
Sample ID: 119207-R1	**BSB-NSDB-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	101	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	109	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.262	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	2.89	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119208-R1	**SSP-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	103	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	109	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.852	1	0.105	0.5	NA		O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	9.318	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26
Sample ID: 119209-R1	**SSP-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	102	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	113	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.274	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	6.552	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26
Sample ID: 119210-R1	**YFC-SSDB-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	97	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	106	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.139	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	2.344	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26
Sample ID: 119211-R1	**BC-SSDB-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	99	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	106	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.119	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	2.155	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119212-R1	**BC-SSDB-C1-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 25-Aug-23**			**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	87	1			NA		O-47088	12-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	91	1			NA		O-47088	12-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.151	1	0.105	0.5	NA	J	O-47088	12-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	4.566	1	0.145	0.5	NA		O-47088	12-Jan-26	13-Jan-26
Sample ID: 119213-R1	**SSB-SSDB-C1-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	101	1			NA		O-47098	13-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	107	1			NA		O-47098	13-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.371	1	0.105	0.5	NA	J	O-47098	13-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	2.528	1	0.145	0.5	NA		O-47098	13-Jan-26	13-Jan-26
Sample ID: 119214-R1	**SSB-SSDB-C1-ER Carcass + Offal**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	100	1			NA		O-47098	13-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	113	1			NA		O-47098	13-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	1.026	1	0.105	0.5	NA		O-47098	13-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	10.42	1	0.145	0.5	NA		O-47098	13-Jan-26	13-Jan-26
Sample ID: 119215-R1	**SSB-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled: 24-Aug-23**			**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	103	1			NA		O-47098	13-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	115	1			NA		O-47098	13-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.698	1	0.105	0.5	NA		O-47098	13-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	10.35	1	0.145	0.5	NA		O-47098	13-Jan-26	13-Jan-26

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119216-R1	**SSB-SSDB-C3-HH Skin-off Filets**	**Matrix: Tissue**					**Sampled: 29-Jan-24**			**Received: 17-Jun-24**	
(13C8-PFOA)	EPA 1633	% Recovery	103	1			NA		O-47098	13-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	115	1			NA		O-47098	13-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.316	1	0.105	0.5	NA	J	O-47098	13-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	2.696	1	0.145	0.5	NA		O-47098	13-Jan-26	13-Jan-26
Sample ID: 119217-R1	**SSB-SSDB-C3-ER Carcass + Offal**	**Matrix: Tissue**					**Sampled: 29-Jan-24**			**Received: 17-Jun-24**	
(13C8-PFOA)	EPA 1633	% Recovery	101	1			NA		O-47098	13-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	110	1			NA		O-47098	13-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.681	1	0.105	0.5	NA		O-47098	13-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	21.01	1	0.145	0.5	NA		O-47098	13-Jan-26	13-Jan-26
Sample ID: 119218-R1	**BSB-SSDB-C1-ER Whole Fish**	**Matrix: Tissue**					**Sampled: 24-Aug-23**			**Received: 17-Jun-24**	
(13C8-PFOA)	EPA 1633	% Recovery	109	1			NA		O-47098	13-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	120	1			NA		O-47098	13-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.173	1	0.105	0.5	NA	J	O-47098	13-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	4.184	1	0.145	0.5	NA		O-47098	13-Jan-26	13-Jan-26
Sample ID: 119219-R1	**BSB-SSDB-C2-ER Whole Fish**	**Matrix: Tissue**					**Sampled: 25-Aug-23**			**Received: 17-Jun-24**	
(13C8-PFOA)	EPA 1633	% Recovery	94	1			NA		O-47098	13-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	107	1			NA		O-47098	13-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.361	1	0.105	0.5	NA	J	O-47098	13-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	6.462	1	0.145	0.5	NA		O-47098	13-Jan-26	13-Jan-26

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119220-R1	**PB-SSDB-HH Skin-off Filets**		**Matrix: Tissue**				**Sampled:**	**29-Jan-24**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	103	1			NA		O-47098	13-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	111	1			NA		O-47098	13-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.116	1	0.105	0.5	NA	J	O-47098	13-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	1.132	1	0.145	0.5	NA		O-47098	13-Jan-26	13-Jan-26
Sample ID: 119221-R1	**TS-SSDB-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**29-Jan-24**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	102	1			NA		O-47098	13-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	114	1			NA		O-47098	13-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.144	1	0.105	0.5	NA	J	O-47098	13-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	3.239	1	0.145	0.5	NA		O-47098	13-Jan-26	13-Jan-26
Sample ID: 119222-R1	**TS-SSDB-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**29-Jan-24**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	103	1			NA		O-47098	13-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	116	1			NA		O-47098	13-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.237	1	0.105	0.5	NA	J	O-47098	13-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	4.275	1	0.145	0.5	NA		O-47098	13-Jan-26	13-Jan-26
Sample ID: 119223-R1	**RR-SSDB-HH Wings Only**		**Matrix: Tissue**				**Sampled:**	**24-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	103	1			NA		O-47098	13-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	107	1			NA		O-47098	13-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	1.125	1	0.105	0.5	NA		O-47098	13-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	3.153	1	0.145	0.5	NA		O-47098	13-Jan-26	13-Jan-26

PFAS

ANALYTE	Method	Units	RESULT	DF	MDL	RL	Fraction	QA CODE	Batch ID	Date Processed	Date Analyzed
Sample ID: 119224-R1	**SA-SSDB-C1-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	100	1			NA		O-47098	13-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	113	1			NA		O-47098	13-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.143	1	0.105	0.5	NA	J	O-47098	13-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	6.437	1	0.145	0.5	NA		O-47098	13-Jan-26	13-Jan-26
Sample ID: 119225-R1	**SA-SSDB-C2-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	100	1			NA		O-47098	13-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	113	1			NA		O-47098	13-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.201	1	0.105	0.5	NA	J	O-47098	13-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	13.87	1	0.145	0.5	NA		O-47098	13-Jan-26	13-Jan-26
Sample ID: 119226-R1	**SA-SSDB-C3-HH Carcass**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	103	1			NA		O-47098	13-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	117	1			NA		O-47098	13-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.212	1	0.105	0.5	NA	J	O-47098	13-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	9.522	1	0.145	0.5	NA		O-47098	13-Jan-26	13-Jan-26
Sample ID: 119227-R1	**SA-SSDB-C4-ER Whole Fish**		**Matrix: Tissue**				**Sampled:**	**25-Aug-23**		**Received:**	**17-Jun-24**
(13C8-PFOA)	EPA 1633	% Recovery	108	1			NA		O-47098	13-Jan-26	13-Jan-26
(13C8-PFOS)	EPA 1633	% Recovery	117	1			NA		O-47098	13-Jan-26	13-Jan-26
PFOA	EPA 1633	ng/wet g	0.141	1	0.105	0.5	NA	J	O-47098	13-Jan-26	13-Jan-26
PFOS	EPA 1633	ng/wet g	9.989	1	0.145	0.5	NA		O-47098	13-Jan-26	13-Jan-26

QUALITY CONTROL REPORT

PHYSIS
TERRA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PFAS QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119141-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
	Method: EPA 1633					Batch ID: O-47082		Prepared: 14-Oct-25					Analyzed: 14-Nov-25		
(13C8-PFOA)	NA	91	1			% Recovery	100		91	25 - 150%	PASS				
(13C8-PFOS)	NA	83	1			% Recovery	100		83	40 - 160%	PASS				
PFOA	NA	ND	1	0.105	15	ng/wet g									
PFOS	NA	ND	1	0.145	15	ng/wet g									
Sample ID: 119141-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
	Method: EPA 1633					Batch ID: O-47082		Prepared: 14-Oct-25					Analyzed: 14-Nov-25		
(13C8-PFOA)	NA	93	1			% Recovery	100	0	93	25 - 150%	PASS				
(13C8-PFOS)	NA	82	1			% Recovery	100	0	82	40 - 160%	PASS				
PFOA	NA	46.6	1	0.105	15	ng/wet g	50	0	93	60 - 150%	PASS				
PFOS	NA	52.7	1	0.145	15	ng/wet g	50	0	105	60 - 160%	PASS				
Sample ID: 119141-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
	Method: EPA 1633					Batch ID: O-47082		Prepared: 14-Oct-25					Analyzed: 14-Nov-25		
(13C8-PFOA)	NA	85	1			% Recovery	100	0	85	25 - 150%	PASS	9	30	PASS	
(13C8-PFOS)	NA	78	1			% Recovery	100	0	78	40 - 160%	PASS	5	30	PASS	
PFOA	NA	45.3	1	0.105	15	ng/wet g	50	0	91	60 - 150%	PASS	2	30	PASS	
PFOS	NA	53.1	1	0.145	15	ng/wet g	50	0	106	60 - 160%	PASS	1	30	PASS	
Sample ID: 119172-MS1	**KB-OS-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 07-Sep-23**					**Received: 17-Jun-24**		
	Method: EPA 1633					Batch ID: O-47082		Prepared: 14-Oct-25					Analyzed: 14-Nov-25		
(13C8-PFOA)	NA	74	1			% Recovery	100	0	74		PASS				
(13C8-PFOS)	NA	66	1			% Recovery	100	0	66		PASS				
PFOA	NA	38.4	1	0.105	15	ng/wet g	50	0	77		PASS				
PFOS	NA	35	1	0.145	15	ng/wet g	50	0	70		PASS				

PFAS QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119172-MS2	**KB-OS-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 07-Sep-23**				**Received: 17-Jun-24**	
		Method: EPA 1633				Batch ID: O-47082		Prepared: 14-Oct-25				Analyzed: 14-Nov-25	
(13C8-PFOA)	NA	70	1			% Recovery	100	0	70	PASS	6	30 PASS	
(13C8-PFOS)	NA	66	1			% Recovery	100	0	66	PASS	0	30 PASS	
PFOA	NA	39.5	1	0.105	15	ng/wet g	50	0	79	PASS	3	30 PASS	
PFOS	NA	33.8	1	0.145	15	ng/wet g	50	0	68	PASS	3	30 PASS	
Sample ID: 119172-R2	**KB-OS-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 07-Sep-23**				**Received: 17-Jun-24**	
		Method: EPA 1633				Batch ID: O-47082		Prepared: 14-Oct-25				Analyzed: 14-Nov-25	
(13C8-PFOA)	NA	81	1			% Recovery	100		81	PASS	9	30 PASS	
(13C8-PFOS)	NA	70	1			% Recovery	100		70	PASS	0	30 PASS	
PFOA	NA	ND	1	0.105	15	ng/wet g					0	30 PASS	
PFOS	NA	ND	1	0.145	15	ng/wet g					0	30 PASS	

PHYSIS
TERRA FAUNA FLORA AQUA AURA
ENVIRONMENTAL LABORATORIES, INC.
Innovative Solutions for Nature

PHYSIS Project ID: 2307008-026
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PFAS QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119142-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
	Method: EPA 1633					Batch ID: O-47086		Prepared: 12-Jan-26					Analyzed: 12-Jan-26		
(13C8-PFOA)	NA	97	1			% Recovery	100		97	25 - 150%	PASS				
(13C8-PFOS)	NA	89	1			% Recovery	100		89	40 - 160%	PASS				
PFOA	NA	ND	1	0.105	0.5	ng/wet g									
PFOS	NA	ND	1	0.145	0.5	ng/wet g									
Sample ID: 119142-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
	Method: EPA 1633					Batch ID: O-47086		Prepared: 12-Jan-26					Analyzed: 12-Jan-26		
(13C8-PFOA)	NA	90	1			% Recovery	100	0	90	25 - 150%	PASS				
(13C8-PFOS)	NA	90	1			% Recovery	100	0	90	40 - 160%	PASS				
PFOA	NA	228	1	0.105	0.5	ng/wet g	200	0	114	60 - 150%	PASS				
PFOS	NA	226	1	0.145	0.5	ng/wet g	200	0	113	60 - 160%	PASS				
Sample ID: 119142-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**		
	Method: EPA 1633					Batch ID: O-47086		Prepared: 12-Jan-26					Analyzed: 12-Jan-26		
(13C8-PFOA)	NA	91	1			% Recovery	100	0	91	25 - 150%	PASS	1	30	PASS	
(13C8-PFOS)	NA	88	1			% Recovery	100	0	88	40 - 160%	PASS	2	30	PASS	
PFOA	NA	243	1	0.105	0.5	ng/wet g	200	0	122	60 - 150%	PASS	7	30	PASS	
PFOS	NA	226.2	1	0.145	0.5	ng/wet g	200	0	113	60 - 160%	PASS	0	30	PASS	

PFAS QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS	PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119143-B1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**				**Received:**	
	Method: EPA 1633					Batch ID: O-47088		Prepared: 12-Jan-26				Analyzed: 13-Jan-26	
(13C8-PFOA)	NA	99	1			% Recovery	100		99	25 - 150%	PASS		
(13C8-PFOS)	NA	103	1			% Recovery	100		103	40 - 160%	PASS		
PFOA	NA	ND	1	0.105	0.5	ng/wet g							
PFOS	NA	ND	1	0.145	0.5	ng/wet g							
	Method: EPA 1633					Batch ID: O-47098		Prepared: 13-Jan-26				Analyzed: 13-Jan-26	
(13C8-PFOA)	NA	96	1			% Recovery	100		96	25 - 150%	PASS		
(13C8-PFOS)	NA	104	1			% Recovery	100		104	40 - 160%	PASS		
PFOA	NA	ND	1	0.105	0.5	ng/wet g							
PFOS	NA	ND	1	0.145	0.5	ng/wet g							
Sample ID: 119143-BS1	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**				**Received:**	
	Method: EPA 1633					Batch ID: O-47088		Prepared: 12-Jan-26				Analyzed: 13-Jan-26	
(13C8-PFOA)	NA	96	1			% Recovery	100	0	96	25 - 150%	PASS		
(13C8-PFOS)	NA	100	1			% Recovery	100	0	100	40 - 160%	PASS		
PFOA	NA	124	1	0.105	0.5	ng/wet g	200	0	62	60 - 150%	PASS		
PFOS	NA	130.4	1	0.145	0.5	ng/wet g	200	0	65	60 - 160%	PASS		
	Method: EPA 1633					Batch ID: O-47098		Prepared: 13-Jan-26				Analyzed: 13-Jan-26	
(13C8-PFOA)	NA	95	1			% Recovery	100	0	95	25 - 150%	PASS		
(13C8-PFOS)	NA	97	1			% Recovery	100	0	97	40 - 160%	PASS		
PFOA	NA	129	1	0.105	0.5	ng/wet g	200	0	64	60 - 150%	PASS		
PFOS	NA	125.8	1	0.145	0.5	ng/wet g	200	0	63	60 - 160%	PASS		

PFAS QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS	QA CODEc
Sample ID: 119143-BS2	**QAQC Procedural Blank**					**Matrix: BlankMatrix**		**Sampled:**					**Received:**	
	Method: EPA 1633					Batch ID: O-47088		Prepared: 12-Jan-26					Analyzed: 13-Jan-26	
(13C8-PFOA)	NA	95	1			% Recovery	100	0	95	25 - 150%	PASS	1	30 PASS	
(13C8-PFOS)	NA	101	1			% Recovery	100	0	101	40 - 160%	PASS	1	30 PASS	
PFOA	NA	127	1	0.105	0.5	ng/wet g	200	0	63	60 - 150%	PASS	3	30 PASS	
PFOS	NA	134.6	1	0.145	0.5	ng/wet g	200	0	68	60 - 160%	PASS	2	30 PASS	
	Method: EPA 1633					Batch ID: O-47098		Prepared: 13-Jan-26					Analyzed: 13-Jan-26	
(13C8-PFOA)	NA	94	1			% Recovery	100	0	94	25 - 150%	PASS	0	30 PASS	
(13C8-PFOS)	NA	101	1			% Recovery	100	0	101	40 - 160%	PASS	4	30 PASS	
PFOA	NA	126	1	0.105	0.5	ng/wet g	200	0	63	60 - 150%	PASS	0	30 PASS	
PFOS	NA	131.3	1	0.145	0.5	ng/wet g	200	0	65	60 - 160%	PASS	5	30 PASS	
Sample ID: 119191-MS1	**PCM-NSDB-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 15-Sep-23**					**Received: 17-Jun-24**	
	Method: EPA 1633					Batch ID: O-47086		Prepared: 12-Jan-26					Analyzed: 12-Jan-26	
(13C8-PFOA)	NA	71	1			% Recovery	100	0	71	25 - 150%	PASS			
(13C8-PFOS)	NA	71	1			% Recovery	100	0	71	40 - 160%	PASS			
PFOA	NA	122	1	0.105	0.5	ng/wet g	200	0	61		PASS			
PFOS	NA	126.2	1	0.145	0.5	ng/wet g	200	0	63	40 - 150%	PASS			
Sample ID: 119191-MS2	**PCM-NSDB-HH Skin-off Filets**					**Matrix: Tissue**		**Sampled: 15-Sep-23**					**Received: 17-Jun-24**	
	Method: EPA 1633					Batch ID: O-47086		Prepared: 12-Jan-26					Analyzed: 12-Jan-26	
(13C8-PFOA)	NA	72	1			% Recovery	100	0	72	25 - 150%	PASS	1	30 PASS	
(13C8-PFOS)	NA	71	1			% Recovery	100	0	71	40 - 160%	PASS	0	30 PASS	
PFOA	NA	124	1	0.105	0.5	ng/wet g	200	0	62		PASS	2	30 PASS	
PFOS	NA	128.2	1	0.145	0.5	ng/wet g	200	0	64	40 - 150%	PASS	2	30 PASS	

PFAS QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119191-R2	**PCM-NSDB-HH Skin-off Filets**					**Matrix: Tissue**			**Sampled: 15-Sep-23**				**Received: 17-Jun-24**		
	Method: EPA 1633					Batch ID: O-47086			Prepared: 12-Jan-26				Analyzed: 12-Jan-26		
(13C8-PFOA)	NA	75	1			% Recovery	100		75	25 - 150%	PASS	5	30	PASS	
(13C8-PFOS)	NA	76	1			% Recovery	100		76	40 - 160%	PASS	1	30	PASS	
PFOA	NA	0.271	1	0.105	0.5	ng/wet g						0	30	PASS	J
PFOS	NA	1.501	1	0.145	0.5	ng/wet g						0	30	PASS	
Sample ID: 119211-MS1	**BC-SSDB-C1-HH Skin-off Filets**					**Matrix: Tissue**			**Sampled: 25-Aug-23**				**Received: 17-Jun-24**		
	Method: EPA 1633					Batch ID: O-47088			Prepared: 12-Jan-26				Analyzed: 13-Jan-26		
(13C8-PFOA)	NA	98	1			% Recovery	100	0	98	25 - 150%	PASS				
(13C8-PFOS)	NA	103	1			% Recovery	100	0	103	40 - 160%	PASS				
PFOA	NA	133	1	0.105	0.5	ng/wet g	200	0	67		PASS				
PFOS	NA	117.2	1	0.145	0.5	ng/wet g	200	0	58	40 - 150%	PASS				
Sample ID: 119211-MS2	**BC-SSDB-C1-HH Skin-off Filets**					**Matrix: Tissue**			**Sampled: 25-Aug-23**				**Received: 17-Jun-24**		
	Method: EPA 1633					Batch ID: O-47088			Prepared: 12-Jan-26				Analyzed: 13-Jan-26		
(13C8-PFOA)	NA	108	1			% Recovery	100	0	108	25 - 150%	PASS	10	30	PASS	
(13C8-PFOS)	NA	109	1			% Recovery	100	0	109	40 - 160%	PASS	6	30	PASS	
PFOA	NA	147	1	0.105	0.5	ng/wet g	200	0	74		PASS	11	30	PASS	
PFOS	NA	125.6	1	0.145	0.5	ng/wet g	200	0	63	40 - 150%	PASS	8	30	PASS	
Sample ID: 119211-R2	**BC-SSDB-C1-HH Skin-off Filets**					**Matrix: Tissue**			**Sampled: 25-Aug-23**				**Received: 17-Jun-24**		
	Method: EPA 1633					Batch ID: O-47088			Prepared: 12-Jan-26				Analyzed: 13-Jan-26		
(13C8-PFOA)	NA	97	1			% Recovery	100		97	25 - 150%	PASS	2	30	PASS	
(13C8-PFOS)	NA	106	1			% Recovery	100		106	40 - 160%	PASS	0	30	PASS	
PFOA	NA	0.154	1	0.105	0.5	ng/wet g						0	30	PASS	J
PFOS	NA	2.037	1	0.145	0.5	ng/wet g						0	30	PASS	

PHYSIS Project ID: 2307008-026
Client: WSP USA
Project: 2023 Regional Harbor monitoring Program Project # EI

PFAS QUALITY CONTROL REPORT

ANALYTE	FRACTION	RESULT	DF	MDL	RL	UNITS	SPIKE LEVEL	SOURCE RESULT	ACCURACY %	ACCURACY LIMITS		PRECISION %	PRECISION LIMITS		QA CODEc
Sample ID: 119222-MS1	**TS-SSDB-ER Whole Fish**					**Matrix: Tissue**			**Sampled: 29-Jan-24**				**Received: 17-Jun-24**		
		Method: EPA 1633				Batch ID: O-47098			Prepared: 13-Jan-26				Analyzed: 13-Jan-26		
(13C8-PFOA)	NA	100	1			% Recovery	100	0	100	25 - 150%	PASS				
(13C8-PFOS)	NA	107	1			% Recovery	100	0	107	40 - 160%	PASS				
PFOA	NA	147	1	0.105	0.5	ng/wet g	200	0	74		PASS				
PFOS	NA	112.9	1	0.145	0.5	ng/wet g	200	0	56	40 - 150%	PASS				
Sample ID: 119222-MS2	**TS-SSDB-ER Whole Fish**					**Matrix: Tissue**			**Sampled: 29-Jan-24**				**Received: 17-Jun-24**		
		Method: EPA 1633				Batch ID: O-47098			Prepared: 13-Jan-26				Analyzed: 13-Jan-26		
(13C8-PFOA)	NA	102	1			% Recovery	100	0	102	25 - 150%	PASS	2	30	PASS	
(13C8-PFOS)	NA	111	1			% Recovery	100	0	111	40 - 160%	PASS	4	30	PASS	
PFOA	NA	147	1	0.105	0.5	ng/wet g	200	0	74		PASS	0	30	PASS	
PFOS	NA	117.7	1	0.145	0.5	ng/wet g	200	0	59	40 - 150%	PASS	5	30	PASS	
Sample ID: 119222-R2	**TS-SSDB-ER Whole Fish**					**Matrix: Tissue**			**Sampled: 29-Jan-24**				**Received: 17-Jun-24**		
		Method: EPA 1633				Batch ID: O-47098			Prepared: 13-Jan-26				Analyzed: 13-Jan-26		
(13C8-PFOA)	NA	101	1			% Recovery	100		101	25 - 150%	PASS	2	30	PASS	
(13C8-PFOS)	NA	110	1			% Recovery	100		110	40 - 160%	PASS	5	30	PASS	
PFOA	NA	0.15	1	0.105	0.5	ng/wet g						0	30	PASS	J
PFOS	NA	2.321	1	0.145	0.5	ng/wet g						0	30	PASS	

APPENDIX D

TISSUE CHEMISTRY SUMMARY TABLES

Table D-1.
2023 RHMP Tissue Chemistry Summary Table – Human Health Risk

Harbor	Species	Feeding Guild	Composite ID	Sample Type	Percent Solids	Percent Lipids	Arsenic (As)	Mercury (Hg)	Selenium (Se)	Chlordane-alpha	cis-Nonachlor	Chlordane-gamma	Oxychlordane	trans-Nonachlor	Total Chlordanes[1]	2,4'-DDD	2,4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total DDTs[2]
				MDL	*0.10*	*0.01*	*0.025*	*0.00001*	*0.025*	*0.187*	*0.192*	*0.179*	*0.250*	*0.186*	*NA*	*0.267*	*0.200*	*0.194*	*0.198*	*0.193*	*0.128*	*NA*
				RL	*0.10*	*0.05*	*0.050*	*0.00002*	*0.050*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*NA*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*NA*
				Units	*%*	*% ww*	*µg/g ww*	*µg/g ww*	*µg/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*
Dana Point Harbor	Barred Sand Bass	Predator - Mesocarnivore	BSB-DP-HH	Skin-off Filets	21.7	1.60	2.42	0.0448	0.329	ND	ND	1.49	ND	ND	1.49	ND	ND	ND	ND	6.03	ND	6.03
Dana Point Harbor	California Halibut	Predator - Mesocarnivore	CAH-DP-HH	Skin-off Filets	20.9	0.28	3.05	0.0298	0.392	ND	ND	ND	ND	ND	0.125	ND	ND	ND	ND	2.22	ND	2.22
Dana Point Harbor	Topsmelt	Forage - Planktivore	TS-DP-C1-HH	Carcass	26.1	1.58	1.22	0.0258	0.355	ND	ND	ND	ND	0.287 J	0.287 J	ND	ND	ND	ND	8.46	ND	8.46
Dana Point Harbor	White Surfperch	Predator - Invertebrates	WSP-DP-C1-HH	Carcass	25.4	3.05	1.40	0.0250	0.292	ND	0.280 J	ND	ND	0.525	0.805	ND	ND	ND	ND	8.07	ND	8.07
Oceanside Harbor	Kelp Bass	Predator - Mesocarnivore	KB-OS-HH	Skin-off Filets	20.5	0.58	4.32	0.101	0.275	ND	ND	ND	ND	ND	0.125	ND	ND	ND	ND	4.51	ND	4.51
Oceanside Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-OS-C1-HH	Carcass	24.2	2.93	0.926	0.0388	0.256	ND	ND	ND	ND	ND	0.125	ND	ND	ND	ND	28.0	ND	28.0
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C1-HH	Skin-off Filets	20.0	0.81	0.634	0.125	0.204	ND	ND	ND	ND	0.237 J	0.237 J	0.276 J	ND	ND	ND	8.11	ND	8.39
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C2-HH	Skin-off Filets	18.9	0.70	0.448	0.0805	0.224	ND	ND	ND	ND	ND	0.125	ND	ND	ND	ND	16.6	ND	16.6
Oceanside Harbor	Topsmelt	Forage - Planktivore	TS-OS-C1-HH	Carcass	25.2	1.41	0.782	0.0139	0.427	2.20	5.02	ND	176	ND	183	ND	ND	ND	ND	21.7	ND	21.7
Oceanside Harbor	White Seabass	Predator - Mesocarnivore	WSB-OS-HH	Skin-off Filets	24.3	2.63	1.62	0.0332	0.258	ND	1.01	ND	97.4	ND	98.4	ND	ND	ND	ND	28.1	ND	28.1
Oceanside Harbor	White Surfperch	Predator - Invertebrates	WSP-OS-C1-HH	Carcass	28.8	8.00	0.976	0.0157	0.279	ND	ND	ND	ND	ND	0.125	ND	ND	ND	ND	21.9	ND	21.9
Mission Bay	California Halibut	Predator - Mesocarnivore	CAH-MB-HH	Skin-off Filets	21.2	0.038 J	0.443	0.0454	0.355	0.436 J	0.982	ND	ND	1.35	2.77	ND	ND	ND	ND	4.04	ND	4.04
Mission Bay	Round Ray	Predator - Mesocarnivore	RR-MB-HH	Wings Only	19.9	0.22	4.97	0.0561	0.546	0.521	0.282 J	0.298 J	0.458 J	0.240 J	1.80	ND	ND	ND	ND	0.257 J	ND	0.257 J
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C1-HH	Skin-off Filets	19.3	0.62	0.556	0.311	0.294	0.249 J	1.02	ND	0.394 J	1.55	3.21	ND	ND	ND	ND	9.42	ND	9.42
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C2-HH	Skin-off Filets	21.0	0.72	0.607	0.0648	0.271	ND	0.374 J	ND	0.636	0.565	1.58	ND	ND	ND	ND	1.66	ND	1.66
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C3-HH	Skin-off Filets	20.9	0.33	0.368	0.105	0.394	ND	0.625	0.528	0.493 J	0.994	2.64	ND	ND	ND	ND	1.23	ND	1.23
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C1-HH	Carcass	24.4	0.90	0.931	0.0229	0.353	0.613	1.18	0.499 J	0.573	1.54	4.41	ND	ND	ND	ND	8.12	ND	8.12
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C3-HH	Carcass	24.9	1.03	0.660	0.0265	0.389	1.63	1.48	0.860	ND	3.43	7.40	ND	ND	ND	ND	9.59	ND	9.59
Mission Bay	White Surfperch	Predator - Invertebrates	WSP-MB-HH	Carcass	26.3	5.28	1.34	0.0495	0.269	2.94	2.48	ND	1.84	4.49	11.8	ND	ND	ND	ND	12.4	ND	12.4
North SD Bay	California Halibut	Predator - Mesocarnivore	CAH-NSDB-HH	Skin-off Filets	20.9	0.22	1.02	0.0480	0.329	ND	ND	ND	ND	ND	0.125	1.18	ND	ND	2.35	4.70	ND	8.23
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C1-HH	Carcass	29.4	5.76	1.11	0.0236	0.314	ND	ND	ND	ND	0.395 J	0.395 J	ND	ND	ND	2.16	20.9	3.30	26.4
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C2-HH	Carcass	24.0	1.96	0.847	0.0555	0.281	0.251 J	0.241 J	ND	ND	1.27	1.76	ND	0.538	ND	2.27	23.0	3.16	29.0
North SD Bay	Pacific Chub Mackerel	Forage – Mesocarnivore	PCM-NSDB-HH	Skin-off Filets	28.1	3.49	0.644	0.0590	0.497	0.281 J	0.451 J	0.437 J	0.643	0.711	2.52	ND	ND	ND	1.41	8.70	ND	10.1
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C1-HH	Skin-off Filets	19.9	0.87	0.566	0.111	0.409	ND	0.276 J	ND	ND	ND	0.276 J	ND	ND	0.224 J	ND	0.845	ND	1.07
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C2-HH	Skin-off Filets	19.5	0.68	0.397	0.164	0.399	ND	ND	ND	ND	0.253 J	0.253 J	ND	ND	ND	ND	1.54	ND	1.54
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C3-HH	Skin-off Filets	21.0	1.03	0.535	0.105	0.265	ND	ND	ND	ND	0.309 J	0.309 J	ND	ND	0.242 J	0.969	2.88	ND	4.09
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C1-HH	Carcass	28.6	3.41	1.09	0.0888	0.340	0.431 J	0.382 J	ND	ND	1.00	1.81	ND	0.480 J	ND	ND	15.8	7.41	23.7
South SD Bay	Black Croaker	Predator - Mesocarnivore	BC-SSDB-C1-HH	Skin-off Filets	20.5	0.49	0.541	0.0363	0.313	ND	0.195 J	ND	ND	ND	0.195 J	1.61	ND	0.306 J	ND	1.02	ND	2.94
South SD Bay	Pacific Barracuda	Predator - Mesocarnivore	PB-SSDB-HH	Skin-off Filets	26.1	5.53	0.884	0.122	0.254	0.529	ND	ND	ND	2.53	3.06	ND	ND	ND	2.75	19.0	ND	21.8
South SD Bay	Round Ray	Predator - Mesocarnivore	RR-SSDB-HH	Wings Only	18.8	0.49	8.16	0.0961	0.701	ND	ND	ND	ND	ND	0.125	ND	ND	ND	ND	ND	ND	0.134
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C1-HH	Carcass	23.1	1.14	0.674	0.0279	0.353	ND	0.706	ND	ND	ND	0.706	4.99	ND	ND	ND	8.56	ND	13.6
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C3-HH	Carcass	23.3	1.48	0.823	0.0310	0.358	0.713	0.625	ND	ND	ND	1.34	ND	ND	ND	ND	8.62	ND	8.62
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C1-HH	Skin-off Filets	20.3	0.37	0.292	0.167	0.342	ND	ND	ND	ND	0.450 J	0.450 J	ND	ND	ND	ND	1.39	ND	1.39
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C3-HH	Skin-off Filets	19.0	0.63	0.531	0.127	0.451	ND	ND	ND	ND	ND	0.125	0.375 J	ND	ND	ND	1.06	ND	1.44
South SD Bay	Topsmelt	Forage - Planktivore	TS-SSDB-HH	Carcass	25.8	1.20	0.624	0.0357	0.419	0.502	ND	ND	ND	ND	0.502	ND	ND	ND	2.47	10.5	ND	13.0

Notes:

µg/g ww = microgram(s) per gram wet weight

% = percent

MDL = method detection limit

NA = not applicable

ND = not detected (<MDL)

ng/g ww = nanogram(s) per gram wet weight

RL = reporting limit

J-flag = analyte was detected at a concentration below the RL and above the MDL, reported value is estimated

Underlined values = If all components of a sum were not detected, the result is reported as 1/2 the highest MDL of any individual compound in the sum.

1 = Total Chlordanes includes the sum of alpha-chlordane, gamma-chlordane, cis-nonachlor, trans-nonachlor, and oxychlordane.

2 = Total detectable DDTs includes the sum of 2,4'-DDD, 4,4'-DDD, 2,4'-DDE, 4,4'-DDE, 2,4'-DDT, and 4,4'-DDT.

Table D-1.
2023 RHMP Tissue Chemistry Summary Table – Human Health Risk

Harbor	Species	Feeding Guild	Composite ID	Sample Type	4,4'-DDMU	Aldrin	BHC-alpha	BHC-beta	BHC-gamma	DCPA (Dachthal)	Dicofol	Dieldrin	Endosulfan-I	Endosulfan-II	Endosulfan sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Mirex
				MDL	*0.193*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*	*0.100*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*
				RL	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.200*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.5*
				Units	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*
Dana Point Harbor	Barred Sand Bass	Predator - Mesocarnivore	BSB-DP-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	California Halibut	Predator - Mesocarnivore	CAH-DP-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	9.90 E	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	Topsmelt	Forage - Planktivore	TS-DP-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	White Surfperch	Predator - Invertebrates	WSP-DP-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	21.9 E	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Kelp Bass	Predator - Mesocarnivore	KB-OS-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-OS-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C2-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Topsmelt	Forage - Planktivore	TS-OS-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	White Seabass	Predator - Mesocarnivore	WSB-OS-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	White Surfperch	Predator - Invertebrates	WSP-OS-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	California Halibut	Predator - Mesocarnivore	CAH-MB-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Round Ray	Predator - Mesocarnivore	RR-MB-HH	Wings Only	ND	ND	ND	ND	ND	ND	ND	6.08 E	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C2-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C3-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	5.28 E	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C3-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	White Surfperch	Predator - Invertebrates	WSP-MB-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	California Halibut	Predator - Mesocarnivore	CAH-NSDB-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	1.48 E	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C2-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Pacific Chub Mackerel	Forage – Mesocarnivore	PCM-NSDB-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C2-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C3-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Black Croaker	Predator - Mesocarnivore	BC-SSDB-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	3.53 E	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Pacific Barracuda	Predator - Mesocarnivore	PB-SSDB-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Round Ray	Predator - Mesocarnivore	RR-SSDB-HH	Wings Only	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C3-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C3-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Topsmelt	Forage - Planktivore	TS-SSDB-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

µg/g ww = microgram(s) per gram wet weight

% = percent

MDL = method detection limit

NA = not applicable

ND = not detected (<MDL)

ng/g ww = nanogram(s) per gram wet weight

RL = reporting limit

E-flag = analyte concentration exceeds the upper limit of the linear calibration range, reported value is estimated

Table D-1.
2023 RHMP Tissue Chemistry Summary Table – Human Health Risk

Harbor	Species	Feeding Guild	Composite ID	Sample Type	Perthane	Toxaphene	2,3,5-Trimethylnaphthalene	1-Methylnaphthalene	1-Methylphenanthrene	2,6-Dimethylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[e]pyrene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Biphenyl	Chrysene
				MDL	*5.00*	*10.0*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*
				RL	*10.0*	*20.0*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*
				Units	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*
Dana Point Harbor	Barred Sand Bass	Predator - Mesocarnivore	BSB-DP-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	3.46 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	California Halibut	Predator - Mesocarnivore	CAH-DP-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	Topsmelt	Forage - Planktivore	TS-DP-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	White Surfperch	Predator - Invertebrates	WSP-DP-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	1.10 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Kelp Bass	Predator - Mesocarnivore	KB-OS-HH	Skin-off Filets	ND	ND	ND	ND	26.1	ND	ND	3.20 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-OS-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	2.59 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	1.02 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C2-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	1.41 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Topsmelt	Forage - Planktivore	TS-OS-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	5.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	White Seabass	Predator - Mesocarnivore	WSB-OS-HH	Skin-off Filets	ND	ND	ND	ND	14.4	12.5	ND	109	4.35 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	White Surfperch	Predator - Invertebrates	WSP-OS-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	6.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	California Halibut	Predator - Mesocarnivore	CAH-MB-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Round Ray	Predator - Mesocarnivore	RR-MB-HH	Wings Only	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C2-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C3-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C3-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	White Surfperch	Predator - Invertebrates	WSP-MB-HH	Carcass	ND	ND	ND	ND	ND	ND	4.49 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	California Halibut	Predator - Mesocarnivore	CAH-NSDB-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	2.47 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C1-HH	Carcass	ND	ND	ND	1.85 J	ND	ND	4.69 J	9.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C2-HH	Carcass	ND	ND	ND	ND	ND	ND	1.66 J	9.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Pacific Chub Mackerel	Forage – Mesocarnivore	PCM-NSDB-HH	Skin-off Filets	ND	ND	ND	ND	ND	1.40 J	ND	24.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	1.51 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C2-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	1.21 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C3-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	1.34 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C1-HH	Carcass	ND	ND	ND	1.10 J	ND	ND	3.20 J	2.94 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Black Croaker	Predator - Mesocarnivore	BC-SSDB-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	1.57 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Pacific Barracuda	Predator - Mesocarnivore	PB-SSDB-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Round Ray	Predator - Mesocarnivore	RR-SSDB-HH	Wings Only	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C3-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C3-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Topsmelt	Forage - Planktivore	TS-SSDB-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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% = percent

MDL = method detection limit

NA = not applicable

ND = not detected (<MDL)

ng/g ww = nanogram(s) per gram wet weight

RL = reporting limit

J-flag = analyte was detected at a concentration below the RL and above the MDL, reported value is estimated

Table D-1.
2023 RHMP Tissue Chemistry Summary Table – Human Health Risk

Harbor	Species	Feeding Guild	Composite ID	Sample Type	Dibenz[a,h]anthracene	Dibenzothiophene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene	Total PAHs[3]	PCB 003	PCB 005	PCB 008	PCB 015	PCB 018	PCB 027	PCB 028	PCB 029
				MDL	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*NA*	*0.250*	*0.250*	*0.017*	*0.250*	*0.029*	*0.250*	*0.023*	*0.250*
				RL	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*NA*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*
				Units	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*
Dana Point Harbor	Barred Sand Bass	Predator - Mesocarnivore	BSB-DP-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.46 J	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	California Halibut	Predator - Mesocarnivore	CAH-DP-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	Topsmelt	Forage - Planktivore	TS-DP-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	White Surfperch	Predator - Invertebrates	WSP-DP-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.10 J	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Kelp Bass	Predator - Mesocarnivore	KB-OS-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.3	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-OS-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.59 J	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.02 J	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C2-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.41 J	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Topsmelt	Forage - Planktivore	TS-OS-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.34	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	White Seabass	Predator - Mesocarnivore	WSB-OS-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	White Surfperch	Predator - Invertebrates	WSP-OS-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.83	1.48	ND	ND	ND	ND	ND	ND	ND
Mission Bay	California Halibut	Predator - Mesocarnivore	CAH-MB-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Round Ray	Predator - Mesocarnivore	RR-MB-HH	Wings Only	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	0.422 J	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C2-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	3.72	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C3-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	5.53	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C3-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	White Surfperch	Predator - Invertebrates	WSP-MB-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	1.97 J	ND	6.46	ND	ND	ND	ND	ND	12.6	ND	ND
North SD Bay	California Halibut	Predator - Mesocarnivore	CAH-NSDB-HH	Skin-off Filets	ND	ND	ND	ND	ND	5.53	ND	ND	ND	8.00	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C1-HH	Carcass	ND	ND	ND	1.70 J	ND	4.54 J	ND	1.21 J	ND	23.3	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C2-HH	Carcass	ND	ND	ND	ND	ND	2.72 J	ND	ND	ND	13.8	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Pacific Chub Mackerel	Forage – Mesocarnivore	PCM-NSDB-HH	Skin-off Filets	ND	ND	ND	1.53 J	ND	ND	ND	2.03 J	ND	29.0	ND	ND	ND	ND	ND	0.446 J	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	3.47 J	ND	ND	ND	4.98	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C2-HH	Skin-off Filets	ND	ND	ND	ND	ND	1.88 J	ND	ND	ND	3.09	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C3-HH	Skin-off Filets	ND	ND	ND	ND	ND	1.88 J	ND	ND	ND	3.22	ND	ND	ND	ND	ND	ND	0.112 J	ND
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C1-HH	Carcass	ND	ND	ND	1.42 J	ND	3.02 J	ND	1.24 J	ND	12.9	ND	ND	ND	ND	ND	ND	0.465 J	ND
South SD Bay	Black Croaker	Predator - Mesocarnivore	BC-SSDB-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	2.02 J	ND	ND	ND	3.59	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Pacific Barracuda	Predator - Mesocarnivore	PB-SSDB-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Round Ray	Predator - Mesocarnivore	RR-SSDB-HH	Wings Only	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C3-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C3-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Topsmelt	Forage - Planktivore	TS-SSDB-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

µg/g ww = microgram(s) per gram wet weight

% = percent

MDL = method detection limit

NA = not applicable

ND = not detected (<MDL)

ng/g ww = nanogram(s) per gram wet weight

RL = reporting limit

J-flag = analyte was detected at a concentration below the RL and above the MDL, reported value is estimated

Underlined values = If all components of a sum were not detected, the result is reported as 1/2 the highest MDL of any individual compound in the sum.

3 = Total PAHs includes the sum of 2,3,5-trimethylnaphthalene.1-methylnapthalene, 1-methylphenanthrene, 2,6-dimethylnaphthalene, 2-methylnapthalene, acenaphthene, acenaphthylene, anthracene, benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[e]pyrene, benzo[g,h,i]perylene, benzo[k]fluoranthene, biphenyl, chrysene, dibenz[a,h]anthracene, dibenzothiophene, fluoranthene, fluorene, indeno(1,2,3-c,d)pyrene, naphthalene, perylene, phenanthrene and pyrene.

Table D-1.
2023 RHMP Tissue Chemistry Summary Table – Human Health Risk

Harbor	Species	Feeding Guild	Composite ID	Sample Type	PCB 031	PCB 033	PCB 037	PCB 044	PCB 049	PCB 052	PCB 056/60	PCB 066	PCB 070	PCB 074	PCB 077	PCB 081	PCB 087	PCB 095	PCB 097	PCB 099	PCB 101	PCB 105
				MDL	*0.250*	*0.250*	*0.060*	*0.028*	*0.036*	*0.012*	*0.250*	*0.027*	*0.023*	*0.021*	*0.018*	*0.084*	*0.081*	*0.250*	*0.250*	*0.028*	*0.027*	*0.047*
				RL	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*
				Units	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*
Dana Point Harbor	Barred Sand Bass	Predator - Mesocarnivore	BSB-DP-HH	Skin-off Filets	ND	ND	ND	ND	0.130 J	ND	ND	0.122 J	ND	0.154 J	ND	ND	ND	0.549	ND	ND	ND	ND
Dana Point Harbor	California Halibut	Predator - Mesocarnivore	CAH-DP-HH	Skin-off Filets	ND	ND	ND	ND	0.091 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	Topsmelt	Forage - Planktivore	TS-DP-C1-HH	Carcass	ND	ND	ND	0.088 J	0.126 J	0.152 J	ND	ND	ND	ND	0.153 J	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	White Surfperch	Predator - Invertebrates	WSP-DP-C1-HH	Carcass	ND	ND	ND	ND	0.083 J	ND	ND	ND	0.115 J	0.168 J	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Kelp Bass	Predator - Mesocarnivore	KB-OS-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.5
Oceanside Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-OS-C1-HH	Carcass	ND	ND	ND	ND	0.525	1.81	ND	4.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C1-HH	Skin-off Filets	ND	ND	ND	ND	0.196 J	0.154 J	ND	0.101 J	0.034 J	0.102 J	ND	ND	ND	ND	ND	ND	ND	0.352 J
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C2-HH	Skin-off Filets	ND	ND	ND	ND	0.125 J	ND	ND	ND	ND	0.134 J	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Topsmelt	Forage - Planktivore	TS-OS-C1-HH	Carcass	ND	1.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	White Seabass	Predator - Mesocarnivore	WSB-OS-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	White Surfperch	Predator - Invertebrates	WSP-OS-C1-HH	Carcass	ND	ND	ND	ND	0.510	0.695	ND	ND	ND	ND	ND	ND	ND	2.85	ND	ND	ND	5.63
Mission Bay	California Halibut	Predator - Mesocarnivore	CAH-MB-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	0.392 J	ND	0.204 J	ND	ND	ND	ND	ND	ND	ND	0.697
Mission Bay	Round Ray	Predator - Mesocarnivore	RR-MB-HH	Wings Only	ND	ND	ND	ND	ND	ND	ND	0.130 J	0.109 J	0.057 J	0.335 J	ND	ND	0.271 J	ND	ND	ND	0.390 J
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C1-HH	Skin-off Filets	ND	ND	ND	ND	0.760	0.704	ND	2.04	ND	0.691	0.456 J	ND	ND	0.709	ND	ND	ND	2.25
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C2-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	0.303 J	ND	ND	0.137 J	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C3-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	0.143 J	ND	0.076 J	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C1-HH	Carcass	ND	ND	ND	ND	ND	ND	ND	ND	0.291 J	0.131 J	0.339 J	ND	ND	0.381 J	ND	ND	ND	0.783
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C3-HH	Carcass	ND	ND	ND	ND	0.844	0.858	ND	1.03	0.583	0.312 J	0.424 J	ND	ND	1.21	ND	ND	ND	1.06
Mission Bay	White Surfperch	Predator - Invertebrates	WSP-MB-HH	Carcass	ND	0.469 J	ND	ND	1.65	1.79	ND	ND	ND	0.905	1.08	ND	ND	0.574	ND	ND	ND	ND
North SD Bay	California Halibut	Predator - Mesocarnivore	CAH-NSDB-HH	Skin-off Filets	ND	ND	ND	ND	0.980	1.18	0.368 J	1.19	0.083 J	0.300 J	0.334 J	ND	ND	0.719	ND	6.54	7.79	2.31
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C1-HH	Carcass	ND	ND	ND	0.203 J	0.460 J	0.831	ND	0.713	0.339 J	0.405 J	0.169 J	ND	ND	0.724	ND	ND	ND	0.963
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C2-HH	Carcass	ND	ND	ND	0.102 J	0.297 J	0.394 J	ND	0.502	0.185 J	0.239 J	0.545	ND	ND	0.609	ND	1.70	1.92	0.693
North SD Bay	Pacific Chub Mackerel	Forage – Mesocarnivore	PCM-NSDB-HH	Skin-off Filets	ND	ND	ND	ND	ND	0.681	ND	ND	0.298 J	0.351 J	0.602	ND	ND	0.646	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C1-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	0.077 J	0.029 J	0.065 J	0.055 J	ND	ND	ND	ND	ND	ND	0.120 J
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C2-HH	Skin-off Filets	ND	ND	ND	ND	0.726	0.487 J	ND	0.851	ND	0.268 J	0.179 J	ND	ND	0.326 J	ND	3.06	ND	0.809
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C3-HH	Skin-off Filets	ND	ND	ND	ND	0.391 J	0.537	ND	0.542	0.071 J	0.272 J	0.139 J	ND	ND	0.309 J	ND	2.72	ND	1.05
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C1-HH	Carcass	ND	ND	ND	0.383 J	1.29	1.34	0.466 J	1.87	0.855	0.645	0.402 J	ND	ND	1.35	ND	4.19	4.37	1.99
South SD Bay	Black Croaker	Predator - Mesocarnivore	BC-SSDB-C1-HH	Skin-off Filets	ND	ND	ND	ND	0.355 J	0.320 J	ND	0.553	ND	ND	0.089 J	ND	ND	0.373 J	ND	2.29	1.70	0.755
South SD Bay	Pacific Barracuda	Predator - Mesocarnivore	PB-SSDB-HH	Skin-off Filets	ND	ND	ND	ND	3.11	4.35	ND	ND	2.73	0.720	ND	ND	2.09	4.76	ND	8.96	10.6	ND
South SD Bay	Round Ray	Predator - Mesocarnivore	RR-SSDB-HH	Wings Only	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.088 J	ND	ND	ND	ND	ND	ND	ND	1.44
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C1-HH	Carcass	ND	ND	ND	ND	6.11	6.25	ND	ND	8.81	ND	ND	ND	ND	6.82	ND	7.44	14.2	5.96
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C3-HH	Carcass	ND	ND	ND	ND	4.72	8.12	ND	2.65	2.79	ND	ND	ND	ND	5.73	3.65	15.4	19.2	32.4
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C1-HH	Skin-off Filets	ND	ND	ND	ND	0.622	0.587	ND	ND	0.670	0.230 J	ND	ND	ND	0.268 J	ND	4.48	3.23	0.813
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C3-HH	Skin-off Filets	ND	ND	ND	ND	0.572	0.437 J	ND	ND	0.643	0.168 J	ND	ND	0.604	ND	ND	3.36	1.56	0.850
South SD Bay	Topsmelt	Forage - Planktivore	TS-SSDB-HH	Carcass	ND	ND	ND	ND	3.54	4.77	ND	1.09	3.23	1.02	ND	ND	ND	5.74	ND	10.2	14.1	ND

Notes:

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% = percent

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Table D-1.
2023 RHMP Tissue Chemistry Summary Table – Human Health Risk

Harbor	Species	Feeding Guild	Composite ID	Sample Type	PCB 110	PCB 114	PCB 118	PCB 119	PCB 123	PCB 126	PCB 128	PCB 132/168	PCB 137	PCB 138	PCB 141	PCB 149	PCB 151	PCB 153	PCB 156	PCB 157	PCB 158	PCB 167
				MDL	*0.074*	*0.072*	*0.069*	*0.071*	*0.018*	*0.086*	*0.081*	*0.094*	*0.250*	*0.057*	*0.250*	*0.092*	*0.073*	*0.065*	*0.089*	*0.103*	*0.074*	*0.049*
				RL	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*
				Units	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*
Dana Point Harbor	Barred Sand Bass	Predator - Mesocarnivore	BSB-DP-HH	Skin-off Filets	0.575	0.404 J	0.613	ND	ND	ND	ND	ND	ND	1.65	ND	ND	ND	1.13	ND	ND	ND	0.355 J
Dana Point Harbor	California Halibut	Predator - Mesocarnivore	CAH-DP-HH	Skin-off Filets	0.464 J	ND	0.411 J	ND	ND	ND	ND	ND	ND	3.02	ND	0.125 J	ND	2.82	ND	ND	ND	ND
Dana Point Harbor	Topsmelt	Forage - Planktivore	TS-DP-C1-HH	Carcass	0.228 J	ND	0.339 J	ND	ND	ND	ND	ND	ND	0.983	ND	0.289 J	ND	1.57	ND	ND	ND	ND
Dana Point Harbor	White Surfperch	Predator - Invertebrates	WSP-DP-C1-HH	Carcass	0.289 J	0.268 J	0.667	ND	ND	ND	0.145 J	ND	ND	1.05	ND	ND	ND	3.10	ND	ND	ND	ND
Oceanside Harbor	Kelp Bass	Predator - Mesocarnivore	KB-OS-HH	Skin-off Filets	ND	ND	7.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.23	ND
Oceanside Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-OS-C1-HH	Carcass	ND	ND	4.70	ND	ND	ND	ND	ND	ND	3.62	ND	ND	ND	5.11	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C1-HH	Skin-off Filets	0.284 J	ND	0.857	ND	ND	ND	0.112 J	ND	ND	1.87	ND	0.207 J	ND	3.13	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C2-HH	Skin-off Filets	2.70	ND	1.74	ND	ND	ND	ND	ND	ND	1.35	ND	ND	0.137 J	0.580	0.484 J	ND	ND	ND
Oceanside Harbor	Topsmelt	Forage - Planktivore	TS-OS-C1-HH	Carcass	ND	ND	6.82	ND	ND	ND	ND	2.06	ND	1.78	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	White Seabass	Predator - Mesocarnivore	WSB-OS-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	1.40	1.24	1.56	0.567	ND	3.49	1.60	ND	ND	0.907
Oceanside Harbor	White Surfperch	Predator - Invertebrates	WSP-OS-C1-HH	Carcass	3.65	ND	3.66	ND	ND	13.7	ND	ND	ND	ND	ND	ND	ND	0.781	ND	ND	0.442 J	ND
Mission Bay	California Halibut	Predator - Mesocarnivore	CAH-MB-HH	Skin-off Filets	0.661	ND	0.503	ND	0.537	ND	ND	ND	ND	1.51	ND	0.566	ND	1.62	ND	ND	0.742	ND
Mission Bay	Round Ray	Predator - Mesocarnivore	RR-MB-HH	Wings Only	0.362 J	ND	ND	ND	ND	ND	ND	ND	ND	0.548	ND	0.092 J	ND	1.28	ND	ND	0.668	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C1-HH	Skin-off Filets	1.75	ND	12.9	ND	ND	ND	4.52	ND	ND	34.0	ND	3.20	1.03	63.0	2.01	0.769	ND	1.02
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C2-HH	Skin-off Filets	0.523	ND	ND	ND	ND	ND	ND	ND	ND	1.12	ND	0.143 J	ND	1.73	0.157 J	ND	ND	0.127 J
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C3-HH	Skin-off Filets	0.306 J	ND	ND	ND	ND	ND	ND	ND	ND	0.780	ND	ND	ND	1.22	ND	ND	ND	0.111 J
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C1-HH	Carcass	0.900	ND	1.76	ND	ND	ND	0.713	ND	ND	2.93	ND	0.849	0.550	3.76	ND	ND	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C3-HH	Carcass	1.96	ND	4.13	ND	ND	ND	1.22	ND	ND	8.44	ND	3.32	0.966	12.3	ND	0.205 J	ND	0.473 J
Mission Bay	White Surfperch	Predator - Invertebrates	WSP-MB-HH	Carcass	1.15	ND	4.01	ND	ND	0.533	0.631	ND	ND	5.81	ND	1.22	0.943	8.74	ND	ND	ND	0.289 J
North SD Bay	California Halibut	Predator - Mesocarnivore	CAH-NSDB-HH	Skin-off Filets	2.63	ND	5.43	ND	ND	ND	4.43	ND	ND	25.0	ND	4.65	1.64	35.5	1.82	0.346 J	ND	0.535
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C1-HH	Carcass	1.06	ND	1.68	ND	ND	ND	0.646	ND	ND	6.37	ND	1.13	0.485 J	7.36	0.387 J	ND	ND	ND
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C2-HH	Carcass	0.816	ND	1.79	ND	ND	ND	0.769	ND	ND	7.36	ND	1.39	0.494 J	9.54	0.244 J	ND	ND	0.122 J
North SD Bay	Pacific Chub Mackerel	Forage – Mesocarnivore	PCM-NSDB-HH	Skin-off Filets	0.443 J	ND	0.992	ND	ND	ND	ND	ND	ND	1.56	ND	0.693	0.457 J	2.45	ND	ND	0.495 J	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C1-HH	Skin-off Filets	0.103 J	ND	0.131 J	ND	ND	ND	0.278 J	ND	ND	0.688	ND	0.130 J	ND	1.92	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C2-HH	Skin-off Filets	0.518	ND	2.74	ND	ND	ND	1.31	ND	ND	8.28	ND	1.41	0.347 J	15.1	0.399 J	ND	ND	0.245 J
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C3-HH	Skin-off Filets	0.610	ND	2.76	ND	ND	ND	1.52	ND	ND	10.3	ND	1.06	0.509	16.1	1.01	ND	ND	0.303 J
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C1-HH	Carcass	1.86	ND	4.68	ND	ND	ND	2.76	ND	ND	16.6	ND	2.75	0.950	24.2	1.01	ND	ND	0.759
South SD Bay	Black Croaker	Predator - Mesocarnivore	BC-SSDB-C1-HH	Skin-off Filets	0.551	ND	1.73	ND	ND	ND	1.07	ND	ND	7.56	ND	1.10	0.191 J	13.3	0.116 J	ND	ND	ND
South SD Bay	Pacific Barracuda	Predator - Mesocarnivore	PB-SSDB-HH	Skin-off Filets	5.11	ND	6.40	ND	ND	ND	ND	ND	ND	29.7	ND	5.32	1.88	59.7	ND	ND	1.34	ND
South SD Bay	Round Ray	Predator - Mesocarnivore	RR-SSDB-HH	Wings Only	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.17	ND	ND	ND	ND
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C1-HH	Carcass	4.24	ND	7.85	ND	ND	ND	ND	ND	ND	26.9	ND	8.04	1.81	38.8	ND	ND	ND	ND
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C3-HH	Carcass	4.87	ND	5.26	ND	ND	ND	ND	ND	ND	49.9	ND	8.76	ND	119	ND	ND	ND	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C1-HH	Skin-off Filets	0.590	ND	3.45	ND	ND	ND	2.19	ND	ND	12.1	ND	1.06	0.180 J	24.3	0.279 J	ND	0.842	0.185 J
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C3-HH	Skin-off Filets	0.427 J	ND	2.81	ND	ND	ND	0.784	ND	ND	7.17	ND	0.373 J	ND	16.2	0.310 J	ND	0.188 J	ND
South SD Bay	Topsmelt	Forage - Planktivore	TS-SSDB-HH	Carcass	3.84	ND	6.21	ND	ND	ND	7.09	ND	ND	48.2	ND	7.98	1.84	78.3	ND	ND	ND	ND

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Harbor	Species	Feeding Guild	Composite ID	Sample Type	PCB 169	PCB 170	PCB 174	PCB 177	PCB 180	PCB 183	PCB 187	PCB 189	PCB 194	PCB 195	PCB 199	PCB 201	PCB 203	PCB 206	PCB 209	Total PCBs[4]	PFOS	PFOA
				MDL	*0.116*	*0.118*	*0.250*	*0.085*	*0.154*	*0.056*	*0.168*	*0.109*	*0.164*	*0.093*	*0.250*	*0.104*	*0.250*	*0.155*	*0.250*	*NA*	*0.145*	*0.105*
				RL	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*NA*	*0.500*	*0.500*
				Units	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*
Dana Point Harbor	Barred Sand Bass	Predator - Mesocarnivore	BSB-DP-HH	Skin-off Filets	ND	ND	ND	ND	ND	0.241 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.92	0.163 J	ND
Dana Point Harbor	California Halibut	Predator - Mesocarnivore	CAH-DP-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	0.545	ND	ND	ND	ND	ND	ND	ND	ND	7.48	0.160 J	ND
Dana Point Harbor	Topsmelt	Forage - Planktivore	TS-DP-C1-HH	Carcass	ND	ND	ND	ND	0.194 J	ND	0.394 J	ND	ND	ND	ND	ND	ND	ND	ND	4.52	ND	ND
Dana Point Harbor	White Surfperch	Predator - Invertebrates	WSP-DP-C1-HH	Carcass	ND	ND	ND	ND	0.336 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.22	0.175 J	ND
Oceanside Harbor	Kelp Bass	Predator - Mesocarnivore	KB-OS-HH	Skin-off Filets	ND	ND	ND	ND	2.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.5	ND	ND
Oceanside Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-OS-C1-HH	Carcass	ND	ND	ND	ND	0.809	ND	1.81	ND	ND	ND	ND	ND	ND	ND	ND	22.7	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C1-HH	Skin-off Filets	ND	ND	ND	ND	0.603	ND	0.691	ND	ND	ND	ND	ND	ND	ND	ND	8.69	0.190 J	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C2-HH	Skin-off Filets	ND	ND	ND	0.271 J	ND	ND	0.904	ND	1.98	ND	ND	ND	ND	ND	1.57	12.0	0.225 J	ND
Oceanside Harbor	Topsmelt	Forage - Planktivore	TS-OS-C1-HH	Carcass	ND	ND	ND	ND	10.9	ND	ND	ND	3.27	ND	ND	ND	ND	ND	ND	26.7	0.182 J	ND
Oceanside Harbor	White Seabass	Predator - Mesocarnivore	WSB-OS-HH	Skin-off Filets	ND	ND	ND	1.53	ND	ND	2.95	ND	2.45	ND	ND	ND	ND	ND	ND	17.7	1.85	0.215 J
Oceanside Harbor	White Surfperch	Predator - Invertebrates	WSP-OS-C1-HH	Carcass	ND	ND	ND	ND	2.46	ND	ND	ND	1.36	ND	ND	ND	ND	ND	ND	37.2	ND	ND
Mission Bay	California Halibut	Predator - Mesocarnivore	CAH-MB-HH	Skin-off Filets	ND	ND	ND	0.200 J	ND	ND	0.701	ND	0.359 J	ND	ND	ND	ND	ND	ND	8.69	11.1	0.507
Mission Bay	Round Ray	Predator - Mesocarnivore	RR-MB-HH	Wings Only	ND	ND	ND	ND	ND	ND	ND	ND	0.296 J	ND	ND	ND	ND	ND	0.344 J	4.88	5.78	1.58
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C1-HH	Skin-off Filets	ND	6.04	ND	1.17	15.6	5.79	17.2	ND	4.29	1.87	ND	0.829	ND	0.773	1.36	187	2.67	0.345 J
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C2-HH	Skin-off Filets	ND	ND	ND	ND	0.704	ND	ND	ND	0.320 J	ND	ND	ND	ND	ND	ND	8.98	2.86	0.268 J
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C3-HH	Skin-off Filets	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.17	6.47	0.715
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C1-HH	Carcass	ND	ND	ND	ND	1.02	0.529	1.12	ND	0.324 J	0.288 J	ND	ND	ND	ND	ND	16.7	6.14	0.317 J
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C3-HH	Carcass	ND	ND	0.985	1.44	1.36	1.21	3.72	ND	0.779	0.406 J	ND	ND	ND	0.362 J	ND	49.6	7.74	0.209 J
Mission Bay	White Surfperch	Predator - Invertebrates	WSP-MB-HH	Carcass	ND	ND	ND	0.662	1.97	1.14	1.89	ND	ND	ND	ND	ND	ND	ND	ND	48.1	2.44	0.677
North SD Bay	California Halibut	Predator - Mesocarnivore	CAH-NSDB-HH	Skin-off Filets	ND	2.19	0.968	1.14	7.34	3.05	11.8	ND	0.528	1.41	ND	0.235 J	ND	ND	0.428 J	133	2.46	0.194 J
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C1-HH	Carcass	ND	ND	0.310 J	0.346 J	1.35	0.616	1.90	ND	0.320 J	ND	ND	0.143 J	ND	1.57	ND	30.5	1.15	0.101 J
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C2-HH	Carcass	ND	0.617	ND	0.526	2.25	0.508	2.53	ND	0.321 J	ND	ND	ND	ND	3.17	ND	39.6	1.62	0.246 J
North SD Bay	Pacific Chub Mackerel	Forage – Mesocarnivore	PCM-NSDB-HH	Skin-off Filets	ND	ND	0.388 J	0.508	0.613	0.455 J	0.877	ND	ND	0.433 J	ND	ND	ND	ND	ND	13.4	1.19	0.254 J
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C1-HH	Skin-off Filets	ND	ND	ND	0.191 J	0.186 J	ND	0.415 J	ND	ND	ND	ND	0.122 J	ND	ND	ND	4.51	0.926	0.098 J
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C2-HH	Skin-off Filets	ND	0.951	ND	0.274 J	2.63	1.09	4.06	ND	0.571	ND	ND	0.174 J	ND	ND	ND	46.8	0.512	0.070 J
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C3-HH	Skin-off Filets	ND	0.481 J	ND	0.770	3.59	1.23	4.68	ND	0.392 J	0.247 J	ND	ND	ND	0.824	0.417 J	52.9	1.24	0.161 J
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C1-HH	Carcass	ND	2.46	0.569	1.98	6.05	1.76	7.89	ND	0.881	0.202 J	ND	0.148 J	ND	ND	ND	97.1	1.51	0.333 J
South SD Bay	Black Croaker	Predator - Mesocarnivore	BC-SSDB-C1-HH	Skin-off Filets	ND	0.608	ND	0.273 J	2.02	0.983	3.13	0.285 J	0.385 J	0.094 J	ND	ND	ND	ND	0.887	40.7	2.16	0.119 J
South SD Bay	Pacific Barracuda	Predator - Mesocarnivore	PB-SSDB-HH	Skin-off Filets	ND	ND	ND	ND	8.06	ND	12.3	ND	ND	ND	ND	ND	ND	ND	ND	167	1.13	0.116 J
South SD Bay	Round Ray	Predator - Mesocarnivore	RR-SSDB-HH	Wings Only	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.70	3.15	1.13
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C1-HH	Carcass	ND	ND	ND	4.95	ND	ND	9.39	ND	ND	ND	ND	ND	ND	ND	ND	158	6.44	0.143 J
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C3-HH	Carcass	ND	ND	ND	ND	ND	ND	24.4	ND	ND	ND	ND	ND	ND	ND	ND	307	9.52	0.212 J
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C1-HH	Skin-off Filets	ND	1.55	ND	ND	3.34	1.67	7.41	ND	0.493 J	ND	ND	ND	ND	ND	ND	70.5	2.53	0.371 J
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C3-HH	Skin-off Filets	ND	0.845	ND	ND	1.53	0.797	2.81	ND	0.341 J	ND	ND	ND	ND	ND	ND	42.8	2.70	0.316 J
South SD Bay	Topsmelt	Forage - Planktivore	TS-SSDB-HH	Carcass	ND	ND	ND	5.47	7.89	ND	12.4	ND	ND	ND	ND	ND	ND	ND	ND	223	3.24	0.144 J

Notes:

µg/g ww = microgram(s) per gram wet weight

% = percent

MDL = method detection limit

NA = not applicable

ND = not detected (<MDL)

ng/g ww = nanogram(s) per gram wet weight

RL = reporting limit

J-flag = analyte was detected at a concentration below the RL and above the MDL, reported value is estimated

4 = Total PCBs includes the sum of congeners: PCB-3, 5, 8, 15, 18, 27, 28, 29, 31, 33, 37, 44, 49, 52, 56/60, 66, 70, 74, 77, 81, 87, 95, 97, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 132/168, 137, 138, 141, 149, 151, 153, 156, 157, 158, 167, 169, 170, 174, 177, 180, 183, 187, 189, 194, 195, 199, 201, 203, 206, and 209.

Table D-2.
2023 RHMP Tissue Chemistry Summary Table – Ecological Risk

Harbor	Species	Feeding Guild	Composite ID	Sample Type	Percent Solids	Percent Lipids	Arsenic (As)	Mercury (Hg)	Selenium (Se)	Chlordane-alpha	cis-Nonachlor	Chlordane-gamma	Oxychlordane	trans-Nonachlor	Total Chlordanes[1]	2,4'-DDD	2,4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total DDTs[2]
				MDL	*0.10*	*0.01*	*0.025*	*0.00001*	*0.025*	*0.187*	*0.192*	*0.179*	*0.250*	*0.186*	*NA*	*0.267*	*0.200*	*0.194*	*0.198*	*0.193*	*0.128*	*NA*
				RL	*0.10*	*0.05*	*0.050*	*0.00002*	*0.050*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*NA*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*NA*
				Units	*%*	*% ww*	*µg/g ww*	*µg/g ww*	*µg/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*
Dana Point Harbor	Barred Sand Bass	Predator - Mesocarnivore	BSB-DP-ER-C	Calc Whole Fish	30.9	5.82	2.56	0.0381	0.432	ND	ND	0.480	ND	0.761	1.24	ND	ND	ND	ND	17.6	ND	17.6
Dana Point Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-DP-ER	Whole Fish	22.7	2.23	2.67	0.0292	0.424	0.248 J	0.564	0.180 J	ND	0.744	1.74	3.86	ND	ND	ND	12.8	ND	16.7
Dana Point Harbor	Topsmelt	Forage - Planktivore	TS-DP-C2-ER	Whole Fish	26.2	1.79	1.41	0.0303	0.452	0.255 J	0.196 J	0.256 J	ND	0.573	1.28	ND	ND	ND	ND	11.6	ND	11.6
Dana Point Harbor	White Surfperch	Predator - Invertebrates	WSP-DP-C2-ER	Whole Fish	22.6	2.22	1.65	0.0152	0.374	ND	0.632	ND	ND	0.304 J	0.936	7.23	ND	ND	ND	8.31	ND	15.5
Oceanside Harbor	Kelp Bass	Predator - Mesocarnivore	KB-OS-ER-C	Calc Whole Fish	24.2	2.67	3.82	0.0802	0.358	0.351	1.47	ND	0.549	2.36	4.73	ND	ND	ND	ND	41.3	ND	41.3
Oceanside Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-OS-C2-ER	Whole Fish	24.3	2.95	1.11	0.0261	0.282	ND	ND	ND	ND	ND	0.125	16.5	ND	ND	ND	30.1	ND	46.6
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C1-ER-C	Calc Whole Fish	22.5	4.11	1.04	0.0606	0.304	ND	ND	ND	ND	0.657 J	0.660	0.191 J	ND	ND	ND	44.0	1.90	46.1
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C2-ER-C	Calc Whole Fish	20.9	2.07	0.534	0.0703	0.325	ND	ND	ND	ND	0.791	0.790	ND	ND	ND	ND	33.8	ND	33.8
Oceanside Harbor	Topsmelt	Forage - Planktivore	TS-OS-C2-ER	Whole Fish	21.7	1.49	0.806	0.0130	0.480	ND	ND	ND	ND	ND	0.125	ND	ND	ND	ND	18.2	ND	18.2
Oceanside Harbor	White Surfperch	Predator - Invertebrates	WSP-OS-C2-ER	Whole Fish	29.3	9.37	1.22	0.0140	0.318	ND	ND	ND	78.7	ND	78.7	ND	ND	ND	ND	38.3	ND	38.3
Mission Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-MB-ER	Whole Fish	26.1	4.10	0.957	0.0277	0.474	0.796	2.06	ND	ND	2.16	5.02	ND	ND	ND	ND	3.12	ND	3.12
Mission Bay	Kelp Bass	Predator - Mesocarnivore	KB-MB-ER	Whole Fish	24.8	2.95	0.810	0.0366	0.311	0.217 J	0.754	0.186 J	0.772	0.981	2.91	ND	ND	ND	ND	2.45	ND	2.45
Mission Bay	Shiner Surfperch	Predator - Invertebrates	SSP-MB-ER	Whole Fish	21.1	1.16	0.782	0.0238	0.337	0.502	0.291 J	ND	ND	0.933	1.73	ND	ND	ND	ND	2.22	ND	2.22
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C1-ER-C	Calc Whole Fish	20.9	1.01	1.04	0.242	0.466	0.506 J	3.00	ND	0.867 J	4.39	8.77	2.41	ND	ND	1.52	27.9	ND	31.8
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C2-ER-C	Calc Whole Fish	23.2	2.17	0.740	0.0540	0.326	0.252 J	0.732 J	ND	0.553 J	1.93	3.46	ND	ND	ND	ND	3.49	ND	3.49
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C3-ER-C	Calc Whole Fish	23.1	2.27	0.538	0.0816	0.453	ND	3.29	0.271	1.27 J	6.40	11.2	ND	ND	ND	ND	0.565	27.7	28.3
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C2-ER	Whole Fish	24.3	1.25	1.07	0.0150	0.448	1.70	1.86	1.04	0.824	3.19	8.61	ND	ND	ND	ND	6.93	ND	6.93
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C4-ER	Whole Fish	22.9	1.55	0.712	0.0193	0.461	2.13	1.75	1.37	ND	4.81	10.1	ND	ND	ND	1.16	6.41	ND	7.57
Mission Bay	White Surfperch	Predator - Invertebrates	WSP-MB-ER-C	Calc Whole Fish	35.0	10.7	2.53	0.0237	0.570	2.35	2.61	ND	1.20	3.97	10.1	ND	ND	ND	ND	12.8	7.18	19.9
North SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-NSDB-ER	Whole Fish	25.1	4.36	2.45	0.0332	0.558	ND	0.892	ND	7.16	0.938	8.99	2.91	ND	ND	2.77	6.48	ND	12.2
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C1-ER-C	Calc Whole Fish	31.0	8.70	1.41	0.0226	0.389	0.159	0.168	ND	ND	0.639 J	0.970	ND	ND	ND	1.93	28.4	18.0	48.3
North SD Bay	Pacific Chub Mackerel	Forage – Mesocarnivore	PCM-NSDB-ER-C	Calc Whole Fish	29.8	6.33	0.99	0.0503	1.22	0.595 J	0.870 J	0.415 J	0.332	1.47	3.68	ND	ND	ND	0.623	20.3	ND	20.9
North SD Bay	Queenfish	Predator - Mesocarnivore	QF-NSDB-ER	Whole Fish	21.9	2.32	0.800	0.0282	0.364	0.608	0.549	ND	ND	0.887	2.04	5.22	ND	ND	5.09	10.7	ND	21.0
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C1-ER-C	Calc Whole Fish	23.0	2.92	0.772	0.0881	0.446	ND	0.600 J	ND	4.19	1.43	6.22	ND	ND	0.159 J	ND	3.03	7.52	10.7
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C2-ER-C	Calc Whole Fish	23.6	2.33	0.586	0.0988	0.399	ND	0.934	ND	ND	1.36 J	2.29	ND	ND	ND	1.82	5.47	5.11	12.4
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C3-ER-C	Calc Whole Fish	23.1	2.46	0.813	0.0903	0.347	ND	0.432	ND	ND	1.17 J	1.60	ND	ND	0.170 J	2.25	8.89	6.73	18.0
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C1-ER-C	Calc Whole Fish	30.3	5.97	1.40	0.0867	0.400	0.889 J	0.879 J	ND	ND	2.26	4.03	ND	0.773 J	ND	1.43	29.4	9.57	41.1
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C2-ER	Whole Fish	29.8	6.65	1.50	0.0316	0.379	0.683	1.03	ND	ND	1.86	3.57	ND	0.663	ND	3.95	20.8	ND	25.4
South SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-SSDB-C1-ER	Whole Fish	25.3	3.98	0.962	0.0349	0.520	ND	1.09	ND	ND	2.93	4.02	8.63	ND	ND	ND	5.55	ND	14.2
South SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-SSDB-C2-ER	Whole Fish	25.3	3.18	0.976	0.0256	0.516	ND	ND	ND	ND	2.78	2.78	6.13	ND	ND	ND	6.97	ND	13.1
South SD Bay	Black Croaker	Predator - Mesocarnivore	BC-SSDB-C1-ER	Whole Fish	24.6	3.11	0.892	0.0682	0.703	0.405 J	1.09	0.430 J	ND	1.41	3.34	16.8	ND	0.942	2.18	5.41	2.74	28.1
South SD Bay	Shiner Surfperch	Predator - Invertebrates	SSP-SSDB-C1-ER	Whole Fish	21.5	2.16	0.939	0.0218	0.382	0.706	1.46	ND	ND	1.53	3.70	ND	0.293 J	ND	1.95	6.28	6.84	15.4
South SD Bay	Shiner Surfperch	Predator - Invertebrates	SSP-SSDB-C2-ER	Whole Fish	22.3	2.41	0.496	0.0833	0.425	ND	1.21	ND	3.54	1.92	6.67	ND	ND	ND	2.44	7.18	6.11	15.7
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C2-ER	Whole Fish	24.0	2.39	0.712	0.0314	0.339	2.38	ND	ND	ND	1.96	4.34	ND	ND	ND	ND	10.7	ND	10.7
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C4-ER	Whole Fish	23.0	2.07	0.772	0.0282	0.373	1.03	ND	ND	ND	ND	1.03	ND	ND	ND	ND	5.62	ND	5.62
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C1-ER-C	Calc Whole Fish	21.9	2.09	0.630	0.135	0.514	ND	1.92	ND	ND	3.55 J	5.47	1.74	ND	ND	ND	7.40	ND	9.14
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C2-ER	Whole Fish	24.0	2.62	0.750	0.0213	0.352	1.49	0.652	ND	ND	2.30	4.44	ND	ND	ND	ND	6.20	ND	6.20
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C3-ER-C	Calc Whole Fish	21.6	2.05	0.710	0.103	0.536	ND	ND	ND	ND	2.40	2.40	0.214 J	ND	ND	ND	4.46	ND	4.67
South SD Bay	Topsmelt	Forage - Planktivore	TS-SSDB-ER	Whole Fish	24.6	1.65	0.707	0.0214	0.498	ND	ND	ND	ND	2.20	2.20	ND	ND	ND	ND	11.8	ND	11.8
South SD Bay	Yellowfin Croaker	Predator - Mesocarnivore	YFC-SSDB-ER	Whole Fish	21.9	0.77	0.473	0.0156	0.432	ND	ND	ND	1.10	0.231 J	1.33	3.19	ND	ND	ND	3.68	ND	6.87

Notes:

µg/g ww = microgram(s) per gram wet weight

% = percent

MDL = method detection limit

NA = not applicable

ND = not detected (<MDL)

ng/g ww = nanogram(s) per gram wet weight

RL = reporting limit

Sample type "Calc Whole Fish" indicates that tissue concentrations were calculated from skin-off filets and carcass + offal sample results.

J-flag = analyte was detected at a concentration below the RL and above the MDL, reported value is estimated

Note that for results that were calculated from skin-off filets and carcass + offal samples (Sample Type: Calc Whole Fish), J-flags were retained from original sample results.

Underlined values = If all components of a sum were not detected, the result is reported as 1/2 the highest MDL of any individual compound in the sum.

1 = Total Chlordanes includes the sum of alpha-chlordane, gamma-chlordane, cis-nonachlor, trans-nonachlor, and oxychlordane.

2 = Total detectable DDTs includes the sum of 2,4'-DDD, 4,4'-DDD, 2,4'-DDE, 4,4'-DDE, 2,4'-DDT, and 4,4'-DDT.

Table D-2.
2023 RHMP Tissue Chemistry Summary Table – Ecological Risk

Harbor	Species	Feeding Guild	Composite ID	Sample Type	4,4'-DDMU	Aldrin	BHC-alpha	BHC-beta	BHC-gamma	DCPA (Dachthal)	Dicofol	Dieldrin	Endosulfan-I	Endosulfan-II	Endosulfan sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Mirex
				MDL	*0.193*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*	*0.100*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*	*0.250*
				RL	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.200*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.5*
				Units	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*
Dana Point Harbor	Barred Sand Bass	Predator - Mesocarnivore	BSB-DP-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-DP-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	28.0 E	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	Topsmelt	Forage - Planktivore	TS-DP-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	White Surfperch	Predator - Invertebrates	WSP-DP-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	15.8 E	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Kelp Bass	Predator - Mesocarnivore	KB-OS-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-OS-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C2-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Topsmelt	Forage - Planktivore	TS-OS-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	White Surfperch	Predator - Invertebrates	WSP-OS-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-MB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Kelp Bass	Predator - Mesocarnivore	KB-MB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Shiner Surfperch	Predator - Invertebrates	SSP-MB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C2-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C3-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C4-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	White Surfperch	Predator - Invertebrates	WSP-MB-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-NSDB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Pacific Chub Mackerel	Forage – Mesocarnivore	PCM-NSDB-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Queenfish	Predator - Mesocarnivore	QF-NSDB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C2-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C3-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-SSDB-C1-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-SSDB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Black Croaker	Predator - Mesocarnivore	BC-SSDB-C1-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Shiner Surfperch	Predator - Invertebrates	SSP-SSDB-C1-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Shiner Surfperch	Predator - Invertebrates	SSP-SSDB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C4-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C3-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Topsmelt	Forage - Planktivore	TS-SSDB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Yellowfin Croaker	Predator - Mesocarnivore	YFC-SSDB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

µg/g ww = microgram(s) per gram wet weight

% = percent

MDL = method detection limit

NA = not applicable

ND = not detected (<MDL)

ng/g ww = nanogram(s) per gram wet weight

RL = reporting limit

Sample type "Calc Whole Fish" indicates that tissue concentrations were calculated from skin-off filets and carcass + offal sample results.

E-flag = analyte concentration exceeds the upper limit of the linear calibration range, reported value is estimated

Table D-2.
2023 RHMP Tissue Chemistry Summary Table – Ecological Risk

Harbor	Species	Feeding Guild	Composite ID	Sample Type	Perthane	Toxaphene	2,3,5-Trimethylnaphthalene	1-Methylnaphthalene	1-Methylphenanthrene	2,6-Dimethylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[e]pyrene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Biphenyl	Chrysene
				MDL	*5.00*	*10.0*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*
				RL	*10.0*	*20.0*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*
				Units	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*
Dana Point Harbor	Barred Sand Bass	Predator - Mesocarnivore	BSB-DP-ER-C	Calc Whole Fish	ND	ND	ND	5.55	ND	3.66 J	ND	17.2	2.33 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-DP-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	2.00 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	Topsmelt	Forage - Planktivore	TS-DP-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	1.14 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	White Surfperch	Predator - Invertebrates	WSP-DP-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	1.20 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Kelp Bass	Predator - Mesocarnivore	KB-OS-ER-C	Calc Whole Fish	ND	ND	ND	1.85 J	10.7	ND	4.12	1.57 J	0.940 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-OS-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	3.10 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	2.69 J	ND	17.6	1.30 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C2-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	1.09 J	ND	2.69 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Topsmelt	Forage - Planktivore	TS-OS-C2-ER	Whole Fish	ND	ND	ND	ND	ND	38.4	ND	7.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	White Surfperch	Predator - Invertebrates	WSP-OS-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	9.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-MB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Kelp Bass	Predator - Mesocarnivore	KB-MB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Shiner Surfperch	Predator - Invertebrates	SSP-MB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.822 J	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C2-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C3-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C4-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	White Surfperch	Predator - Invertebrates	WSP-MB-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	0.859 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-NSDB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	1.81 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C1-ER-C	Calc Whole Fish	ND	ND	0.594 J	2.62 J	ND	0.993 J	6.38 J	14.9	0.805 J	1.21	ND	ND	ND	ND	ND	ND	0.929 J	ND
North SD Bay	Pacific Chub Mackerel	Forage – Mesocarnivore	PCM-NSDB-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	2.20 J	ND	48.7	1.00 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Queenfish	Predator - Mesocarnivore	QF-NSDB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	1.81 J	1.93 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	1.82 J	0.936 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C2-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	1.57 J	1.16 J	ND	1.07 J	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C3-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	1.77 J	1.19 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C1-ER-C	Calc Whole Fish	ND	ND	0.583 J	2.05 J	ND	1.26	5.46 J	4.34 J	1.03	0.979	ND	ND	1.80	ND	ND	ND	0.954	0.878 J
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C2-ER	Whole Fish	ND	ND	ND	2.11 J	ND	1.52 J	5.17	3.32 J	ND	1.32 J	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-SSDB-C1-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-SSDB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Black Croaker	Predator - Mesocarnivore	BC-SSDB-C1-ER	Whole Fish	ND	ND	ND	1.25 J	ND	ND	3.85 J	ND	ND	1.66 J	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Shiner Surfperch	Predator - Invertebrates	SSP-SSDB-C1-ER	Whole Fish	ND	ND	ND	1.19 J	ND	ND	3.22 J	1.13 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Shiner Surfperch	Predator - Invertebrates	SSP-SSDB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	1.92 J	ND	ND	1.02 J	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C4-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.78 J	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C3-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Topsmelt	Forage - Planktivore	TS-SSDB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Yellowfin Croaker	Predator - Mesocarnivore	YFC-SSDB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	1.69 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

µg/g ww = microgram(s) per gram wet weight

% = percent

MDL = method detection limit

NA = not applicable

ND = not detected (<MDL)

ng/g ww = nanogram(s) per gram wet weight

RL = reporting limit

Sample type "Calc Whole Fish" indicates that tissue concentrations were calculated from skin-off filets and carcass + offal sample results.

J-flag = analyte was detected at a concentration below the RL and above the MDL, reported value is estimated

Note that for results that were calculated from skin-off filets and carcass + offal samples (Sample Type: Calc Whole Fish), J-flags were retained from original sample results.

Table D-2.
2023 RHMP Tissue Chemistry Summary Table – Ecological Risk

Harbor	Species	Feeding Guild	Composite ID	Sample Type	Dibenz[a,h]anthracene	Dibenzothiophene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene	Total PAHs[3]	PCB 003	PCB 005	PCB 008	PCB 015	PCB 018	PCB 027	PCB 028	PCB 029
				MDL	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*1.00*	*NA*	*0.250*	*0.250*	*0.017*	*0.250*	*0.029*	*0.250*	*0.023*	*0.250*
				RL	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*5.00*	*NA*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*
				Units	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*
Dana Point Harbor	Barred Sand Bass	Predator - Mesocarnivore	BSB-DP-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.7	ND	ND	ND	ND	ND	ND	0.562	ND
Dana Point Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-DP-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	Topsmelt	Forage - Planktivore	TS-DP-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.14	ND	ND	ND	ND	ND	ND	ND	ND
Dana Point Harbor	White Surfperch	Predator - Invertebrates	WSP-DP-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.20	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Kelp Bass	Predator - Mesocarnivore	KB-OS-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	5.40	ND	1.64 J	ND	26.2	ND	ND	ND	ND	ND	19.4	ND	ND
Oceanside Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-OS-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.10	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C1-ER-C	Calc Whole Fish	ND	ND	ND	1.21 J	ND	ND	ND	ND	ND	22.8	ND	ND	ND	ND	ND	ND	1.11	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C2-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.78	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Topsmelt	Forage - Planktivore	TS-OS-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	46.2	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	White Surfperch	Predator - Invertebrates	WSP-OS-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.57	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-MB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	2.53	0.419 J	ND
Mission Bay	Kelp Bass	Predator - Mesocarnivore	KB-MB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	6.68	0.249 J	ND
Mission Bay	Shiner Surfperch	Predator - Invertebrates	SSP-MB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	1.36	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.820	ND	ND	ND	0.231 J	ND	21.7	0.795	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C2-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	18.1	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C3-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	2.36	0.359	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C4-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	0.268 J	ND
Mission Bay	White Surfperch	Predator - Invertebrates	WSP-MB-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	1.76 J	ND	2.62	ND	ND	ND	ND	ND	6.64	ND	ND
North SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-NSDB-ER	Whole Fish	ND	ND	ND	ND	ND	2.61 J	ND	ND	ND	4.42	ND	ND	ND	ND	ND	ND	0.910	ND
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C1-ER-C	Calc Whole Fish	ND	ND	1.51	2.51 J	ND	5.50 J	ND	1.82 J	ND	39.8	ND	ND	ND	ND	ND	ND	ND	0.208
North SD Bay	Pacific Chub Mackerel	Forage – Mesocarnivore	PCM-NSDB-ER-C	Calc Whole Fish	ND	ND	1.30 J	2.85 J	ND	ND	ND	4.00 J	0.818 J	60.9	ND	ND	ND	ND	ND	2.54 J	ND	ND
North SD Bay	Queenfish	Predator - Mesocarnivore	QF-NSDB-ER	Whole Fish	ND	ND	ND	ND	ND	2.15 J	ND	ND	ND	5.89	ND	ND	ND	ND	ND	ND	0.618	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	2.98 J	ND	ND	ND	5.74	ND	ND	ND	ND	ND	ND	0.207 J	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C2-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	2.09 J	ND	ND	ND	5.89	ND	ND	ND	ND	ND	ND	0.607	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C3-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	2.38 J	ND	ND	ND	5.34	ND	ND	ND	ND	ND	ND	0.397 J	ND
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C1-ER-C	Calc Whole Fish	ND	ND	1.04	2.62 J	ND	4.36 J	ND	2.07 J	0.651 J	30.1	ND	ND	ND	ND	ND	ND	0.862 J	ND
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C2-ER	Whole Fish	ND	ND	1.23 J	2.56 J	ND	3.13 J	ND	2.56 J	ND	22.9	ND	ND	ND	ND	ND	ND	0.834	0.353 J
South SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-SSDB-C1-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	1.56	ND
South SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-SSDB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	1.17	ND
South SD Bay	Black Croaker	Predator - Mesocarnivore	BC-SSDB-C1-ER	Whole Fish	ND	ND	ND	ND	ND	2.61 J	ND	ND	ND	9.37	ND	ND	ND	ND	ND	ND	0.854	ND
South SD Bay	Shiner Surfperch	Predator - Invertebrates	SSP-SSDB-C1-ER	Whole Fish	ND	ND	1.68 J	ND	ND	3.05 J	ND	1.44 J	ND	11.7	ND	ND	ND	ND	ND	ND	0.711	ND
South SD Bay	Shiner Surfperch	Predator - Invertebrates	SSP-SSDB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	2.20 J	ND	ND	ND	5.14	ND	ND	ND	ND	ND	ND	0.644	ND
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C4-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	0.831	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.78	ND	ND	ND	ND	ND	ND	1.27	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C3-ER-C	Calc Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	0.770	ND
South SD Bay	Topsmelt	Forage - Planktivore	TS-SSDB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.500	ND	ND	ND	ND	ND	ND	ND	ND
South SD Bay	Yellowfin Croaker	Predator - Mesocarnivore	YFC-SSDB-ER	Whole Fish	ND	ND	ND	ND	ND	2.31 J	ND	ND	ND	4.00	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

µg/g ww = microgram(s) per gram wet weight

% = percent

MDL = method detection limit

NA = not applicable

ND = not detected (<MDL)

ng/g ww = nanogram(s) per gram wet weight

RL = reporting limit

Sample type "Calc Whole Fish" indicates that tissue concentrations were calculated from skin-off filets and carcass + offal sample results.

J-flag = analyte was detected at a concentration below the RL and above the MDL, reported value is estimated

Note that for results that were calculated from skin-off filets and carcass + offal samples (Sample Type: Calc Whole Fish), J-flags were retained from original sample results.

Underlined values = If all components of a sum were not detected, the result is reported as 1/2 the highest MDL of any individual compound in the sum.

3 = Total PAHs includes the sum of 2,3,5-trimethylnaphthalene.1-methylnapthalene, 1-methylphenanthrene, 2,6-dimethylnaphthalene, 2-methylnapthalene, acenaphthene, acenaphthylene, anthracene, benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[e]pyrene, benzo[g,h,i]perylene, benzo[k]fluoranthene, biphenyl, chrysene, dibenz[a,h]anthracene, dibenzothiophene, fluoranthene, fluorene, indeno(1,2,3-c,d)pyrene, naphthalene, perylene, phenanthrene and pyrene.

Table D-2.
2023 RHMP Tissue Chemistry Summary Table – Ecological Risk

Harbor	Species	Feeding Guild	Composite ID	Sample Type	PCB 031	PCB 033	PCB 037	PCB 044	PCB 049	PCB 052	PCB 056/60	PCB 066	PCB 070	PCB 074	PCB 077	PCB 081	PCB 087	PCB 095	PCB 097	PCB 099	PCB 101	PCB 105
				MDL	*0.250*	*0.250*	*0.060*	*0.028*	*0.036*	*0.012*	*0.250*	*0.027*	*0.023*	*0.021*	*0.018*	*0.084*	*0.081*	*0.250*	*0.250*	*0.028*	*0.027*	*0.047*
				RL	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*
				Units	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*
Dana Point Harbor	Barred Sand Bass	Predator - Mesocarnivore	BSB-DP-ER-C	Calc Whole Fish	ND	ND	ND	ND	0.206 J	0.816	ND	0.565 J	ND	0.158 J	ND	ND	ND	1.44	ND	ND	ND	ND
Dana Point Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-DP-ER	Whole Fish	ND	ND	ND	ND	0.211 J	0.318 J	ND	0.549	0.255 J	0.304 J	ND	ND	ND	0.268 J	ND	ND	ND	ND
Dana Point Harbor	Topsmelt	Forage - Planktivore	TS-DP-C2-ER	Whole Fish	ND	ND	ND	0.217 J	0.108 J	0.223 J	ND	1.57	ND	ND	ND	ND	ND	0.399 J	ND	ND	ND	ND
Dana Point Harbor	White Surfperch	Predator - Invertebrates	WSP-DP-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.184 J	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Kelp Bass	Predator - Mesocarnivore	KB-OS-ER-C	Calc Whole Fish	ND	ND	ND	ND	1.03	1.47	ND	0.838	ND	0.680	1.13	ND	ND	1.00	ND	ND	ND	5.76
Oceanside Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-OS-C2-ER	Whole Fish	ND	1.05	ND	ND	ND	ND	ND	9.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	1.49 J	1.51 J	ND	1.45 J	0.020 J	0.743 J	ND	ND	ND	0.974	ND	4.62	ND	2.95 J
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C2-ER-C	Calc Whole Fish	ND	ND	ND	ND	0.198 J	0.182 J	ND	0.880	ND	0.073 J	ND	ND	ND	ND	ND	ND	ND	ND
Oceanside Harbor	Topsmelt	Forage - Planktivore	TS-OS-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.36	ND	ND	ND	ND
Oceanside Harbor	White Surfperch	Predator - Invertebrates	WSP-OS-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	ND	4.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-MB-ER	Whole Fish	ND	ND	ND	ND	0.703	0.821	ND	ND	ND	ND	0.523	ND	ND	0.673	ND	ND	ND	ND
Mission Bay	Kelp Bass	Predator - Mesocarnivore	KB-MB-ER	Whole Fish	ND	ND	ND	ND	0.485 J	0.528	ND	ND	ND	0.298 J	0.390 J	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Shiner Surfperch	Predator - Invertebrates	SSP-MB-ER	Whole Fish	ND	ND	ND	ND	0.301 J	ND	ND	0.138 J	ND	0.095 J	2.26	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	3.36	2.37	ND	5.89	ND	2.47	1.76 J	ND	ND	2.13	ND	30.9	18.5	6.83
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C2-ER-C	Calc Whole Fish	ND	ND	ND	ND	0.328	ND	ND	0.563 J	ND	0.327	0.594 J	ND	ND	ND	ND	ND	ND	ND
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C3-ER-C	Calc Whole Fish	ND	ND	ND	ND	0.600	0.457	ND	0.799 J	ND	0.540 J	0.507	ND	ND	0.307 J	ND	ND	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C2-ER	Whole Fish	ND	ND	ND	ND	0.588	0.884	ND	ND	ND	0.486 J	0.673	ND	ND	0.762	ND	ND	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C4-ER	Whole Fish	ND	ND	ND	ND	0.718	0.739	ND	ND	0.385 J	0.303 J	ND	ND	ND	1.11	ND	ND	ND	0.464 J
Mission Bay	White Surfperch	Predator - Invertebrates	WSP-MB-ER-C	Calc Whole Fish	ND	0.156 J	ND	ND	1.35	1.20	ND	ND	ND	0.787	0.914	ND	ND	0.686	ND	ND	ND	ND
North SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-NSDB-ER	Whole Fish	ND	ND	ND	ND	3.14	3.14	0.934	4.01	0.491 J	1.31	0.702	ND	ND	2.96	ND	14.1	13.2	3.41
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C1-ER-C	Calc Whole Fish	ND	ND	ND	0.380 J	0.720 J	1.21	ND	1.15	0.481 J	0.360 J	0.325 J	ND	ND	1.05	ND	0.763	1.05	0.856
North SD Bay	Pacific Chub Mackerel	Forage – Mesocarnivore	PCM-NSDB-ER-C	Calc Whole Fish	ND	ND	ND	ND	0.496	1.08	ND	ND	0.581 J	0.616 J	0.871	ND	ND	0.693	ND	ND	ND	ND
North SD Bay	Queenfish	Predator - Mesocarnivore	QF-NSDB-ER	Whole Fish	ND	ND	ND	0.532	2.31	2.52	0.721	2.81	1.01	1.04	0.876	ND	ND	2.90	ND	8.08	13.2	2.53
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	0.480	0.397	ND	0.622 J	0.020 J	0.236 J	0.031 J	ND	ND	ND	ND	1.44	ND	0.371 J
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C2-ER-C	Calc Whole Fish	ND	ND	ND	ND	2.53	2.18 J	ND	3.30	0.366	1.13 J	0.612 J	ND	ND	1.40 J	ND	11.6	8.15	2.70
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C3-ER-C	Calc Whole Fish	ND	ND	ND	ND	1.53 J	1.61	0.265 J	1.97	0.208 J	0.986 J	0.520 J	ND	ND	0.940 J	ND	8.16	5.76	2.93
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C1-ER-C	Calc Whole Fish	0.395	ND	ND	0.654 J	2.15	2.41	0.774 J	3.18	1.33	1.17	0.482 J	ND	ND	2.36	ND	7.14	7.41	3.41
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C2-ER	Whole Fish	0.493 J	ND	ND	0.979	2.80	3.57	1.48	3.73	1.73	1.54	1.12	ND	ND	3.61	ND	11.3	12.5	3.30
South SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-SSDB-C1-ER	Whole Fish	0.618	ND	ND	ND	5.44	2.97	ND	0.693	4.40	0.936	ND	ND	ND	3.41	1.65	18.4	10.4	7.02
South SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-SSDB-C2-ER	Whole Fish	ND	ND	ND	ND	5.09	5.44	ND	0.404 J	4.23	1.32	ND	ND	1.48	4.19	2.77	18.7	15.1	7.01
South SD Bay	Black Croaker	Predator - Mesocarnivore	BC-SSDB-C1-ER	Whole Fish	ND	ND	ND	0.931	3.94	3.24	1.01	4.33	0.862	1.33	1.27	ND	ND	3.33	ND	17.7	15.2	3.79
South SD Bay	Shiner Surfperch	Predator - Invertebrates	SSP-SSDB-C1-ER	Whole Fish	ND	ND	ND	0.627	3.05	3.40	0.436 J	3.37	1.65	1.36	1.15	ND	ND	2.38	ND	15.9	14.9	3.33
South SD Bay	Shiner Surfperch	Predator - Invertebrates	SSP-SSDB-C2-ER	Whole Fish	ND	ND	ND	ND	3.54	3.02	0.413 J	4.45	0.459 J	1.68	0.968	ND	ND	1.89	ND	19.3	14.8	4.55
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C2-ER	Whole Fish	ND	ND	ND	ND	8.11	8.85	ND	1.36	6.33	ND	ND	ND	ND	12.0	4.81	23.3	30.6	5.34
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C4-ER	Whole Fish	ND	ND	ND	ND	10.7	9.60	ND	ND	3.82	ND	ND	ND	ND	10.8	7.86	13.9	18.6	8.15
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C1-ER-C	Calc Whole Fish	ND	ND	ND	ND	5.23	4.44	ND	ND	5.00	1.67 J	0.727	ND	2.43	2.09 J	ND	29.4	19.8	6.85
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C2-ER	Whole Fish	ND	ND	ND	0.782	5.26	4.65	ND	1.71	5.23	1.51	ND	ND	2.12	4.52	ND	18.2	17.3	5.12
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C3-ER-C	Calc Whole Fish	ND	ND	ND	ND	4.75	2.77 J	ND	ND	4.24	1.68 J	ND	ND	1.54	1.20	ND	19.9	11.8	4.42
South SD Bay	Topsmelt	Forage - Planktivore	TS-SSDB-ER	Whole Fish	ND	ND	ND	ND	2.03	3.56	ND	0.893	1.85	1.28	ND	ND	ND	3.05	ND	5.97	10.5	7.51
South SD Bay	Yellowfin Croaker	Predator - Mesocarnivore	YFC-SSDB-ER	Whole Fish	ND	ND	ND	ND	0.737	0.627	ND	1.02	0.104 J	0.293 J	0.697	ND	ND	0.549	ND	3.56	2.50	0.830

Notes:

µg/g ww = microgram(s) per gram wet weight

% = percent

MDL = method detection limit

NA = not applicable

ND = not detected (<MDL)

ng/g ww = nanogram(s) per gram wet weight

RL = reporting limit

Sample type "Calc Whole Fish" indicates that tissue concentrations were calculated from skin-off filets and carcass + offal sample results.

J-flag = analyte was detected at a concentration below the RL and above the MDL, reported value is estimated

Note that for results that were calculated from skin-off filets and carcass + offal samples (Sample Type: Calc Whole Fish), J-flags were retained from original sample results.

Table D-2.
2023 RHMP Tissue Chemistry Summary Table – Ecological Risk

Harbor	Species	Feeding Guild	Composite ID	Sample Type	PCB 110	PCB 114	PCB 118	PCB 119	PCB 123	PCB 126	PCB 128	PCB 132/168	PCB 137	PCB 138	PCB 141	PCB 149	PCB 151	PCB 153	PCB 156	PCB 157	PCB 158	PCB 167
				MDL	*0.074*	*0.072*	*0.069*	*0.071*	*0.018*	*0.086*	*0.081*	*0.094*	*0.250*	*0.057*	*0.250*	*0.092*	*0.073*	*0.065*	*0.089*	*0.103*	*0.074*	*0.049*
				RL	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*
				Units	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*
Dana Point Harbor	Barred Sand Bass	Predator - Mesocarnivore	BSB-DP-ER-C	Calc Whole Fish	1.36	0.139 J	1.02	ND	0.660	ND	ND	ND	ND	7.49	ND	ND	0.068 J	9.40	0.247 J	ND	ND	0.117 J
Dana Point Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-DP-ER	Whole Fish	0.659	ND	0.585	ND	0.186 J	ND	ND	ND	ND	3.27	ND	0.130 J	ND	3.39	0.273 J	ND	ND	ND
Dana Point Harbor	Topsmelt	Forage - Planktivore	TS-DP-C2-ER	Whole Fish	0.531	0.789	0.842	ND	ND	ND	0.476 J	ND	ND	2.07	ND	0.490 J	0.123 J	3.91	ND	ND	ND	1.31
Dana Point Harbor	White Surfperch	Predator - Invertebrates	WSP-DP-C2-ER	Whole Fish	ND	0.319 J	0.368 J	ND	ND	ND	0.292 J	ND	ND	0.124 J	ND	ND	ND	1.64	ND	ND	ND	ND
Oceanside Harbor	Kelp Bass	Predator - Mesocarnivore	KB-OS-ER-C	Calc Whole Fish	1.08	ND	7.47	ND	ND	0.741	0.567	ND	ND	6.41	ND	1.38	ND	7.13	0.681	ND	0.510	0.300 J
Oceanside Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-OS-C2-ER	Whole Fish	ND	ND	4.30	ND	ND	ND	ND	ND	ND	2.09	ND	0.475 J	ND	4.02	ND	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C1-ER-C	Calc Whole Fish	2.07 J	ND	5.66	ND	ND	ND	1.56 J	ND	ND	14.3	ND	0.556 J	0.173 J	17.6	0.876	ND	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C2-ER-C	Calc Whole Fish	1.38	ND	2.49	ND	ND	ND	ND	ND	ND	2.62	ND	ND	0.087 J	1.63	0.266 J	ND	ND	ND
Oceanside Harbor	Topsmelt	Forage - Planktivore	TS-OS-C2-ER	Whole Fish	ND	ND	ND	ND	ND	ND	2.08	ND	ND	3.77	ND	ND	ND	13.7	ND	ND	ND	ND
Oceanside Harbor	White Surfperch	Predator - Invertebrates	WSP-OS-C2-ER	Whole Fish	12.4	ND	8.16	ND	ND	ND	ND	ND	ND	3.43	ND	ND	ND	2.88	ND	ND	ND	ND
Mission Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-MB-ER	Whole Fish	0.612	ND	ND	ND	ND	ND	0.367 J	ND	ND	1.50	ND	0.795	ND	2.38	0.290 J	ND	0.677	0.153 J
Mission Bay	Kelp Bass	Predator - Mesocarnivore	KB-MB-ER	Whole Fish	0.461 J	ND	ND	ND	ND	ND	ND	ND	ND	1.26	ND	0.573	ND	1.80	ND	ND	0.868	ND
Mission Bay	Shiner Surfperch	Predator - Invertebrates	SSP-MB-ER	Whole Fish	0.300 J	ND	ND	ND	ND	1.00	0.266 J	ND	ND	1.30	ND	0.276 J	0.356 J	1.82	ND	ND	0.616	0.092 J
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C1-ER-C	Calc Whole Fish	5.52	ND	42.7	ND	ND	ND	13.4	ND	ND	102	ND	11.9	3.54	180	5.65	1.58	ND	2.54
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C2-ER-C	Calc Whole Fish	0.573	ND	ND	ND	ND	ND	0.559	ND	ND	2.93	ND	0.397 J	0.156 J	4.61	0.286 J	ND	ND	0.067 J
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C3-ER-C	Calc Whole Fish	0.622 J	ND	ND	ND	ND	ND	0.386	ND	ND	3.11	ND	0.788	ND	5.05	ND	ND	ND	0.173 J
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C2-ER	Whole Fish	1.83	ND	3.17	ND	ND	ND	1.28	ND	ND	4.98	ND	2.57	0.864	7.97	ND	ND	ND	ND
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C4-ER	Whole Fish	1.75	ND	2.85	ND	ND	ND	0.934	ND	ND	5.73	ND	2.51	1.21	7.64	0.231 J	0.120 J	ND	ND
Mission Bay	White Surfperch	Predator - Invertebrates	WSP-MB-ER-C	Calc Whole Fish	0.861	ND	0.392	ND	ND	0.948	0.669	ND	ND	5.25	ND	0.970	0.812	8.96	ND	ND	ND	0.174 J
North SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-NSDB-ER	Whole Fish	3.80	ND	10.1	ND	ND	ND	6.86	ND	ND	39.2	ND	7.79	2.68	61.3	1.88	0.484 J	ND	0.869
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C1-ER-C	Calc Whole Fish	1.50	ND	1.49	ND	ND	ND	1.13	ND	ND	8.23	ND	1.69	0.643 J	9.68	0.429 J	ND	ND	ND
North SD Bay	Pacific Chub Mackerel	Forage – Mesocarnivore	PCM-NSDB-ER-C	Calc Whole Fish	1.37 J	ND	2.35	ND	ND	ND	0.485	ND	ND	3.92	ND	1.33	0.795 J	4.90	ND	ND	0.220 J	0.260 J
North SD Bay	Queenfish	Predator - Mesocarnivore	QF-NSDB-ER	Whole Fish	4.66	ND	7.28	ND	ND	ND	4.14	ND	ND	28.2	ND	7.15	2.12	37.2	1.60	0.229 J	ND	0.663
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C1-ER-C	Calc Whole Fish	0.272 J	ND	1.16 J	ND	ND	ND	0.637 J	ND	ND	3.59	ND	0.521 J	0.182 J	7.55	0.088 J	ND	ND	ND
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C2-ER-C	Calc Whole Fish	1.85	ND	9.50	ND	ND	ND	5.25	ND	ND	29.9	ND	4.83	1.18 J	54.5	1.29 J	0.373	ND	0.898 J
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C3-ER-C	Calc Whole Fish	1.82	ND	8.63	ND	ND	ND	4.69	ND	ND	30.5	ND	3.06	1.28	46.9	2.23	0.401	ND	1.02 J
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C1-ER-C	Calc Whole Fish	3.08	ND	8.23	ND	ND	ND	5.09	ND	ND	31.2	ND	4.73	1.63	45.7	1.91	0.260	ND	1.42
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C2-ER	Whole Fish	4.98	ND	11.0	ND	ND	ND	5.36	ND	ND	33.1	ND	8.04	3.09	45.1	1.34	ND	ND	1.12
South SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-SSDB-C1-ER	Whole Fish	3.06	ND	8.68	ND	1.17	ND	3.32	ND	ND	45.3	ND	8.04	1.82	107	ND	ND	1.79	ND
South SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-SSDB-C2-ER	Whole Fish	3.48	ND	7.55	ND	1.16	ND	4.38	ND	ND	51.4	ND	8.75	2.22	84.1	ND	ND	2.30	ND
South SD Bay	Black Croaker	Predator - Mesocarnivore	BC-SSDB-C1-ER	Whole Fish	4.33	ND	13.0	ND	ND	ND	8.56	ND	ND	53.4	ND	9.96	2.77	86.5	2.69	0.842	ND	4.08
South SD Bay	Shiner Surfperch	Predator - Invertebrates	SSP-SSDB-C1-ER	Whole Fish	3.19	ND	12.0	ND	ND	ND	7.03	ND	ND	45.0	ND	5.97	2.67	67.7	2.03	0.501	ND	1.67
South SD Bay	Shiner Surfperch	Predator - Invertebrates	SSP-SSDB-C2-ER	Whole Fish	2.80	ND	15.8	ND	ND	ND	9.78	ND	ND	55.1	ND	7.36	2.39	94.1	3.15	0.933	ND	1.89
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C2-ER	Whole Fish	11.3	ND	12.9	ND	ND	ND	ND	ND	ND	69.7	ND	16.9	5.62	112	ND	ND	4.92	ND
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C4-ER	Whole Fish	7.95	ND	5.76	ND	ND	ND	ND	ND	ND	54.4	ND	7.70	ND	57.1	ND	ND	ND	ND
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C1-ER-C	Calc Whole Fish	2.78	ND	20.7	ND	ND	ND	11.9	1.53	ND	86.5	ND	7.78	1.63 J	176	3.74 J	ND	3.41	2.55 J
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C2-ER	Whole Fish	3.71	ND	11.0	ND	ND	ND	5.10	2.41	ND	44.9	ND	5.79	2.89	71.1	1.41	ND	2.43	0.690
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C3-ER-C	Calc Whole Fish	2.19 J	ND	13.5	ND	ND	ND	5.96	ND	ND	55.5	ND	4.28 J	0.653	133	0.133 J	ND	1.00 J	1.87
South SD Bay	Topsmelt	Forage - Planktivore	TS-SSDB-ER	Whole Fish	3.94	ND	ND	ND	ND	ND	ND	ND	ND	13.2	ND	ND	ND	21.2	ND	ND	ND	ND
South SD Bay	Yellowfin Croaker	Predator - Mesocarnivore	YFC-SSDB-ER	Whole Fish	1.15	ND	2.82	ND	ND	ND	2.00	ND	ND	9.20	ND	1.62	0.629	15.0	0.401 J	0.103 J	ND	0.197 J

Notes:

µg/g ww = microgram(s) per gram wet weight
% = percent
MDL = method detection limit
NA = not applicable
ND = not detected (<MDL)
ng/g ww = nanogram(s) per gram wet weight
RL = reporting limit

Sample type "Calc Whole Fish" indicates that tissue concentrations were calculated from skin-off filets and carcass + offal sample results.
J-flag = analyte was detected at a concentration below the RL and above the MDL, reported value is estimated
Note that for results that were calculated from skin-off filets and carcass + offal samples (Sample Type: Calc Whole Fish), J-flags were retained from original sample results.

Table D-2.
2023 RHMP Tissue Chemistry Summary Table – Ecological Risk

Harbor	Species	Feeding Guild	Composite ID	Sample Type	PCB 169	PCB 170	PCB 174	PCB 177	PCB 180	PCB 183	PCB 187	PCB 189	PCB 194	PCB 195	PCB 199	PCB 201	PCB 203	PCB 206	PCB 209	Total PCBs[4]	PFOS	PFOA
				MDL	*0.116*	*0.118*	*0.250*	*0.085*	*0.154*	*0.056*	*0.168*	*0.109*	*0.164*	*0.093*	*0.250*	*0.104*	*0.250*	*0.155*	*0.250*	*NA*	*0.145*	*0.105*
				RL	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*0.500*	*NA*	*0.500*	*0.500*
				Units	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*	*ng/g ww*
Dana Point Harbor	Barred Sand Bass	Predator - Mesocarnivore	BSB-DP-ER-C	Calc Whole Fish	ND	ND	ND	ND	1.80	1.24 J	3.12	ND	ND	ND	ND	ND	ND	ND	ND	30.4	0.748 J	ND
Dana Point Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-DP-ER	Whole Fish	ND	ND	ND	0.168 J	0.371 J	0.354 J	0.848	ND	ND	ND	ND	ND	ND	ND	ND	12.1	ND	ND
Dana Point Harbor	Topsmelt	Forage - Planktivore	TS-DP-C2-ER	Whole Fish	ND	ND	ND	0.105 J	0.285 J	ND	0.233 J	ND	ND	ND	ND	ND	ND	ND	ND	13.7	ND	ND
Dana Point Harbor	White Surfperch	Predator - Invertebrates	WSP-DP-C2-ER	Whole Fish	ND	ND	ND	ND	0.264 J	ND	0.862	0.423 J	ND	ND	ND	ND	ND	ND	ND	4.48	ND	ND
Oceanside Harbor	Kelp Bass	Predator - Mesocarnivore	KB-OS-ER-C	Calc Whole Fish	ND	ND	ND	0.831	2.95	0.693	1.64	ND	ND	0.573	ND	ND	ND	ND	ND	64.3	2.03	0.457 J
Oceanside Harbor	Shiner Surfperch	Predator - Invertebrates	SSP-OS-C2-ER	Whole Fish	ND	ND	ND	1.37	1.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.6	ND	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C1-ER-C	Calc Whole Fish	ND	ND	ND	0.206 J	6.60	0.989	2.31	ND	ND	ND	2.67	ND	ND	ND	ND	70.4	0.120 J	ND
Oceanside Harbor	Spotted Sand Bass	Predator - Mesocarnivore	SSB-OS-C2-ER-C	Calc Whole Fish	ND	ND	0.352	0.158 J	0.704	0.417	0.497	ND	1.04	ND	ND	ND	ND	ND	0.853	13.8	0.345 J	ND
Oceanside Harbor	Topsmelt	Forage - Planktivore	TS-OS-C2-ER	Whole Fish	ND	ND	ND	ND	5.44	ND	8.59	ND	ND	ND	ND	ND	ND	ND	ND	41.9	0.173 J	ND
Oceanside Harbor	White Surfperch	Predator - Invertebrates	WSP-OS-C2-ER	Whole Fish	ND	ND	ND	2.21	ND	ND	ND	ND	1.79	ND	ND	ND	ND	ND	ND	35.0	ND	ND
Mission Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-MB-ER	Whole Fish	ND	ND	ND	0.346 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.532	ND	13.3	8.82	0.785
Mission Bay	Kelp Bass	Predator - Mesocarnivore	KB-MB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	0.639	ND	ND	ND	ND	ND	ND	0.435 J	ND	14.7	2.48	0.791
Mission Bay	Shiner Surfperch	Predator - Invertebrates	SSP-MB-ER	Whole Fish	ND	ND	ND	0.268 J	0.657	ND	0.474 J	ND	0.184 J	ND	ND	ND	ND	ND	ND	11.8	1.84	0.776
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C1-ER-C	Calc Whole Fish	ND	15.9	1.62	3.16	37.9	14.3	40.2	1.05	8.15	2.97	ND	1.70	8.02	2.57	1.55	604	5.68	0.630 J
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C2-ER-C	Calc Whole Fish	ND	ND	0.257 J	0.285 J	1.25	0.584	1.09	ND	0.365 J	ND	ND	ND	ND	ND	ND	33.3	7.90	0.458 J
Mission Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-MB-C3-ER-C	Calc Whole Fish	ND	ND	ND	ND	1.05	0.604	1.18	ND	0.563	0.310 J	ND	ND	ND	ND	ND	19.8	17.5	1.06
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C2-ER	Whole Fish	ND	ND	ND	0.931	1.80	1.10	2.56	ND	0.778	ND	ND	ND	ND	ND	ND	33.2	10.5	0.314 J
Mission Bay	Topsmelt	Forage - Planktivore	TS-MB-C4-ER	Whole Fish	ND	ND	0.576	1.16	1.05	0.912	2.28	ND	0.879	0.558	ND	ND	ND	0.607	ND	35.0	11.6	0.347 J
Mission Bay	White Surfperch	Predator - Invertebrates	WSP-MB-ER-C	Calc Whole Fish	ND	ND	0.312 J	0.379 J	1.22	1.00	1.62	ND	ND	ND	ND	ND	ND	0.398 J	ND	35.7	4.92	0.700
North SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-NSDB-ER	Whole Fish	ND	4.29	1.85	3.35	10.2	3.84	16.7	0.343 J	1.45	0.611	ND	0.475 J	ND	3.66	0.475 J	231	2.89	0.262 J
North SD Bay	Jacksmelt	Forage - Planktivore	JS-NSDB-C1-ER-C	Calc Whole Fish	ND	0.256	0.497 J	0.534 J	1.85	0.766	2.45	ND	0.389 J	ND	ND	0.152 J	ND	3.01	0.156 J	43.4	1.27	0.095 J
North SD Bay	Pacific Chub Mackerel	Forage – Mesocarnivore	PCM-NSDB-ER-C	Calc Whole Fish	ND	ND	0.518 J	0.229	1.03	0.693 J	1.22	ND	ND	0.396 J	ND	ND	ND	0.439	ND	27.0	2.21	0.297 J
North SD Bay	Queenfish	Predator - Mesocarnivore	QF-NSDB-ER	Whole Fish	ND	1.62	1.77	2.35	5.55	2.33	10.2	ND	0.627	0.650	ND	0.130 J	ND	3.46	0.251 J	161	5.38	0.180 J
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C1-ER-C	Calc Whole Fish	ND	ND	ND	0.277 J	1.22 J	0.475	2.37 J	ND	0.191 J	0.184 J	ND	0.135 J	ND	1.79	ND	24.5	3.04	0.141 J
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C2-ER-C	Calc Whole Fish	ND	3.03	0.732	1.79 J	8.39	3.36	14.2	ND	1.91	0.483	ND	0.529 J	ND	3.21	0.613	182	1.99	0.103 J
North SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-NSDB-C3-ER-C	Calc Whole Fish	ND	4.11 J	0.643	2.27	10.6	3.51	13.0	ND	1.83 J	0.480 J	ND	0.287	ND	1.29	0.401 J	164	2.67	0.167 J
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C1-ER-C	Calc Whole Fish	ND	3.98	1.30	3.40	9.94	3.32	13.5	ND	1.42	0.595 J	1.35	0.333 J	ND	2.29	0.291	179	1.66	0.307 J
North SD Bay	Topsmelt	Forage - Planktivore	TS-NSDB-C2-ER	Whole Fish	ND	2.11	1.87	3.32	7.50	3.22	12.5	0.278 J	0.421 J	0.636	ND	0.265 J	ND	2.71	0.270 J	198	1.65	0.252 J
South SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-SSDB-C1-ER	Whole Fish	ND	ND	ND	4.34	5.20	4.14	9.34	ND	ND	ND	ND	ND	ND	ND	ND	261	4.18	0.173 J
South SD Bay	Barred Sand Bass	Predator - Mesocarnivore	BSB-SSDB-C2-ER	Whole Fish	ND	ND	ND	4.84	6.11	4.03	14.3	ND	ND	ND	ND	ND	ND	ND	ND	262	6.46	0.361 J
South SD Bay	Black Croaker	Predator - Mesocarnivore	BC-SSDB-C1-ER	Whole Fish	ND	5.52	2.09	4.44	13.6	5.49	26.8	0.203 J	3.05	0.897	4.01	0.956	ND	5.11	0.560	317	4.57	0.151 J
South SD Bay	Shiner Surfperch	Predator - Invertebrates	SSP-SSDB-C1-ER	Whole Fish	ND	3.88	0.463 J	5.73	11.2	4.57	18.8	0.311 J	1.13	0.431 J	ND	0.541	ND	2.61	0.424 J	250	9.32	0.852
South SD Bay	Shiner Surfperch	Predator - Invertebrates	SSP-SSDB-C2-ER	Whole Fish	ND	6.45	1.21	3.47	15.0	6.31	25.7	0.326 J	3.03	1.11	3.62	1.06	ND	2.79	0.495 J	320	6.55	0.274 J
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C2-ER	Whole Fish	ND	ND	ND	4.93	3.19	ND	26.1	ND	ND	ND	ND	ND	ND	ND	ND	368	13.9	0.201 J
South SD Bay	Slough Anchovy	Forage - Planktivore	SA-SSDB-C4-ER	Whole Fish	ND	ND	ND	9.51	ND	ND	15.0	ND	ND	ND	ND	ND	ND	ND	ND	241	9.99	0.141 J
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C1-ER-C	Calc Whole Fish	ND	10.0	ND	2.47	19.1	11.1	41.3	ND	5.04 J	ND	3.19	1.40	ND	ND	ND	490	7.97	0.823 J
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C2-ER	Whole Fish	ND	2.85	ND	4.20	6.06	3.92	17.3	ND	ND	ND	ND	ND	ND	ND	ND	253	10.4	0.698
South SD Bay	Spotted Sand Bass	Predator - Mesocarnivore	SSB-SSDB-C3-ER-C	Calc Whole Fish	ND	6.39	ND	ND	9.11	7.00	22.0	ND	2.63 J	ND	ND	ND	ND	ND	ND	319	14.9	0.559 J
South SD Bay	Topsmelt	Forage - Planktivore	TS-SSDB-ER	Whole Fish	ND	ND	ND	ND	ND	ND	4.97	ND	ND	ND	ND	ND	ND	ND	ND	80.0	4.28	0.237 J
South SD Bay	Yellowfin Croaker	Predator - Mesocarnivore	YFC-SSDB-ER	Whole Fish	ND	0.923	0.328 J	0.699	1.84	1.20	3.54	ND	ND	0.218 J	ND	ND	ND	3.55	ND	56.3	2.34	0.139 J

Notes:

µg/g ww = microgram(s) per gram wet weight

% = percent

MDL = method detection limit

NA = not applicable

ND = not detected (<MDL)

ng/g ww = nanogram(s) per gram wet weight

RL = reporting limit

Sample type "Calc Whole Fish" indicates that tissue concentrations were calculated from skin-off filets and carcass + offal sample results.

J-flag = analyte was detected at a concentration below the RL and above the MDL, reported value is estimated

Note that for results that were calculated from skin-off filets and carcass + offal samples (Sample Type: Calc Whole Fish), J-flags were retained from original sample results.

J-flag = analyte was detected at a concentration below the RL and above the MDL, reported value is estimated

4 = Total PCBs includes the sum of congeners: PCB-3, 5, 8, 15, 18, 27, 28, 29, 31, 33, 37, 44, 49, 52, 56/60, 66, 70, 74, 77, 81, 87, 95, 97, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 132/168, 137, 138, 141, 149, 151, 153, 156, 157, 158, 167, 169, 170, 174, 177, 180, 183, 187, 189, 194, 195, 199, 201, 203, 206, and 209.

APPENDIX E

SUPPLEMENTAL GRAPHICAL ANALYSES

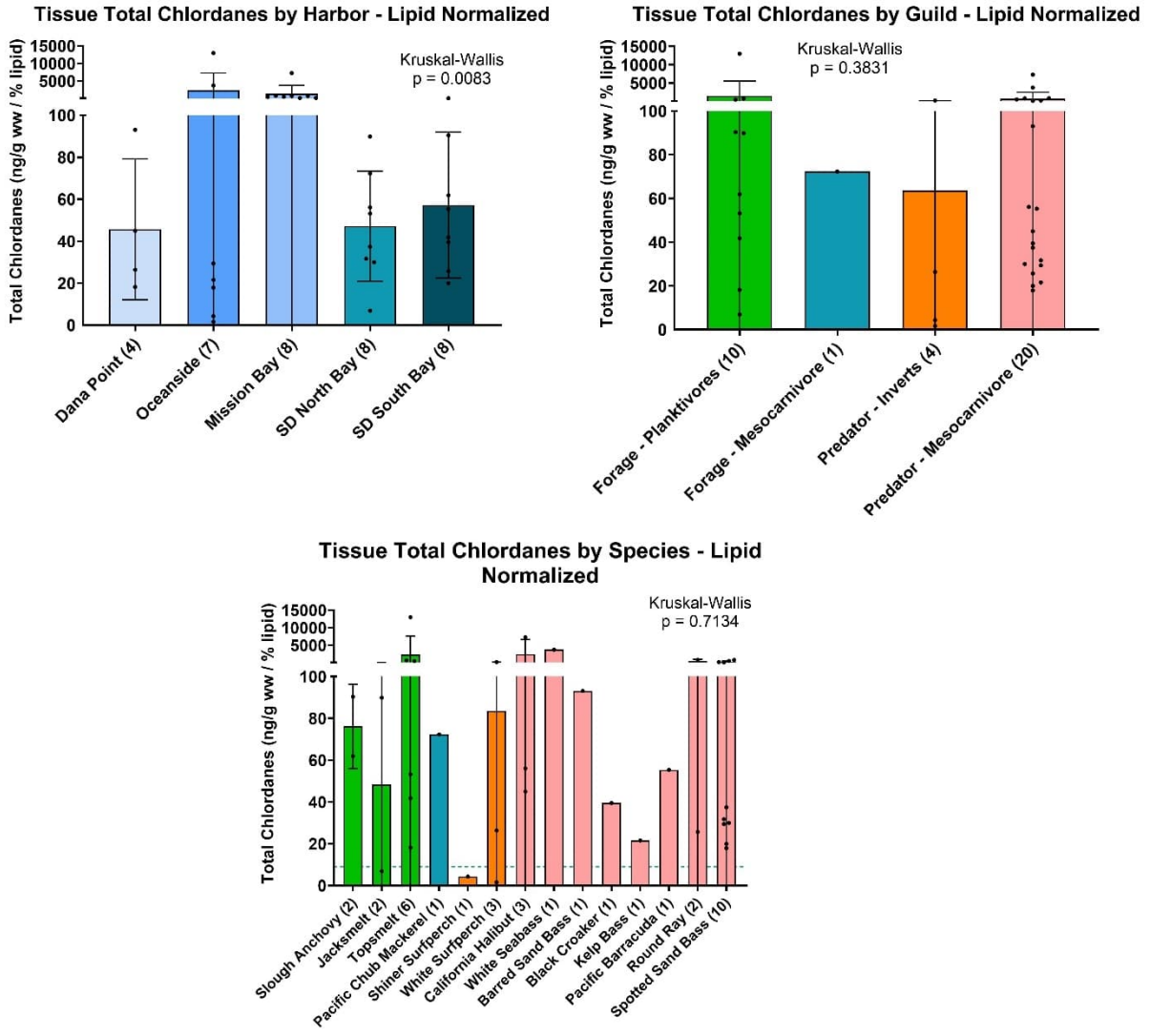


Figure E-1a. Human Health Risk Lipid-Normalized Tissue Concentration of Chlordanes Across Harbors, Feeding Guilds, and Species

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. Statistical significance between groups ($p \leq 0.05$) was determined using a Kruskal-Wallis ANOVA test. Tissue concentrations were transformed using a log(y+1) transformation prior to statistical analyses. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. ATL values are not available for lipid normalized data.

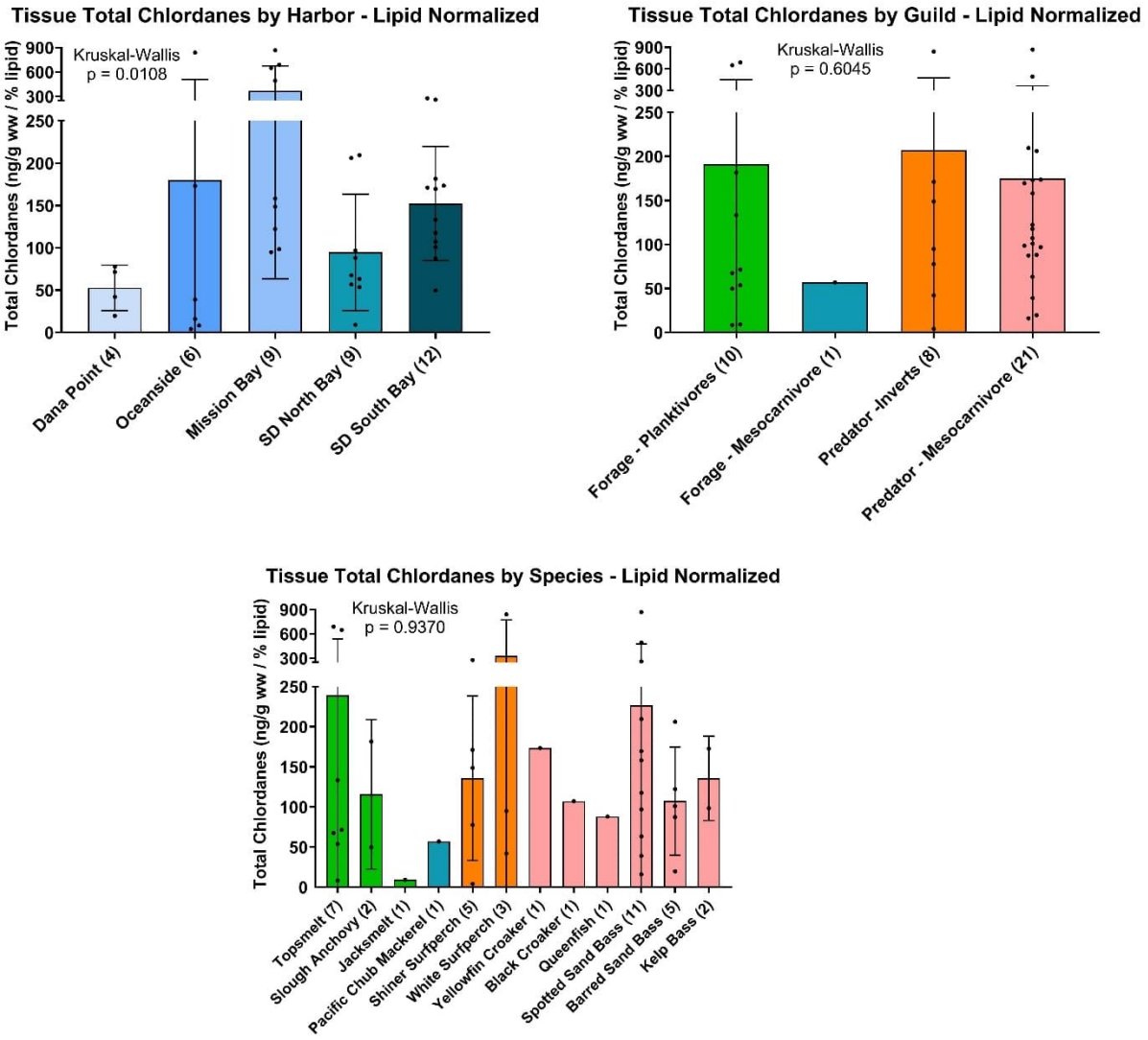


Figure E-1b. Ecological Risk Lipid-Normalized Tissue Concentration of Chlordanes Across Harbors, Feeding Guilds, and Species

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. Statistical significance between groups ($p \leq 0.05$) was determined using a Kruskal-Wallis ANOVA test. Tissue concentrations were transformed using a log(y+1) transformation prior to statistical analyses. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. ATL values are not available for lipid normalized data.

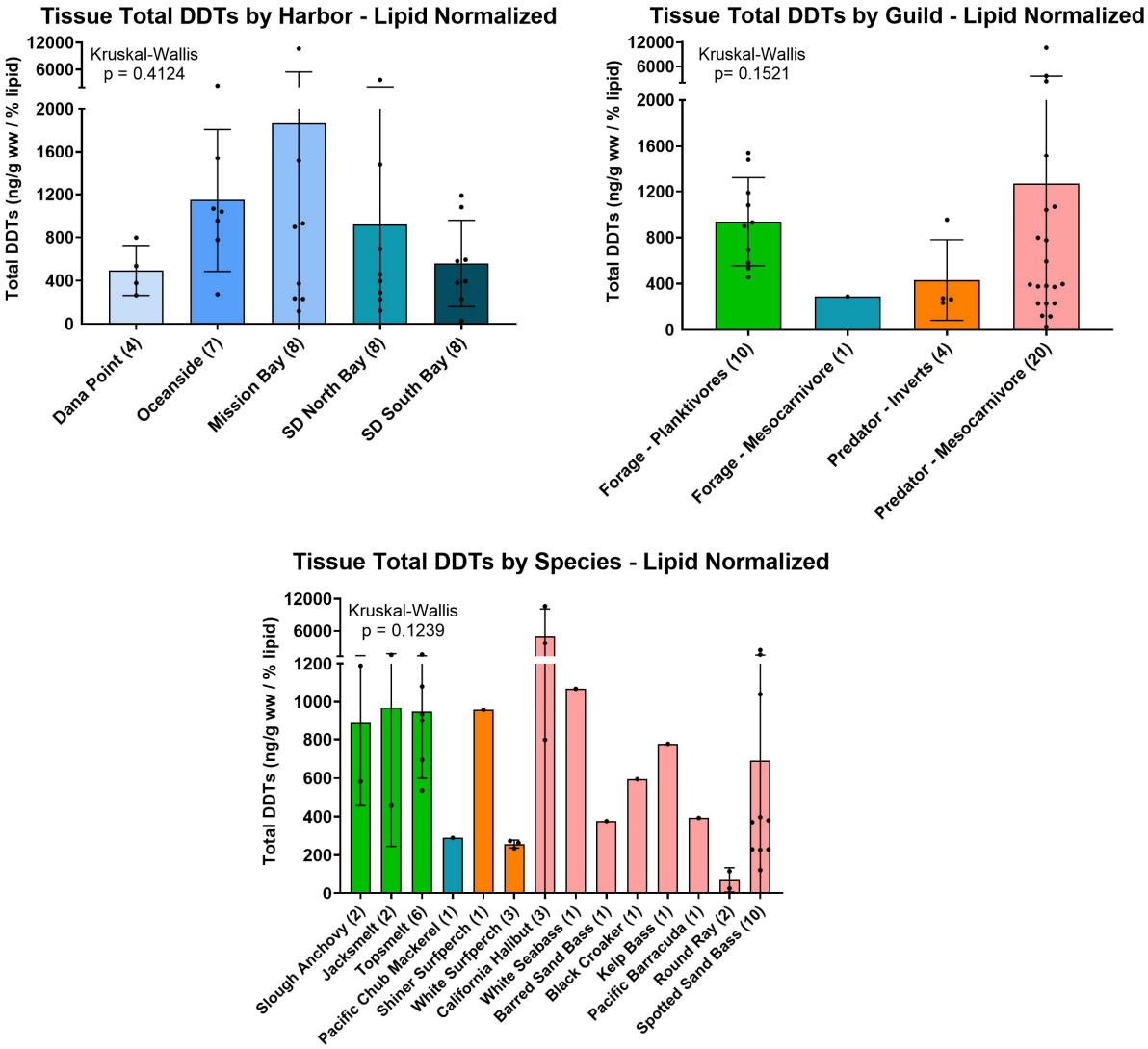


Figure E-2a. Human Health Lipid-Normalized Tissue Concentration of Total DDTs Across Harbors, Feeding Guilds, and Species

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. Statistical significance between groups ($p \leq 0.05$) was determined using a Kruskal-Wallis ANOVA test. Tissue concentrations were transformed using a log(y+1) transformation prior to statistical analyses. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. ATL values are not available for lipid normalized data

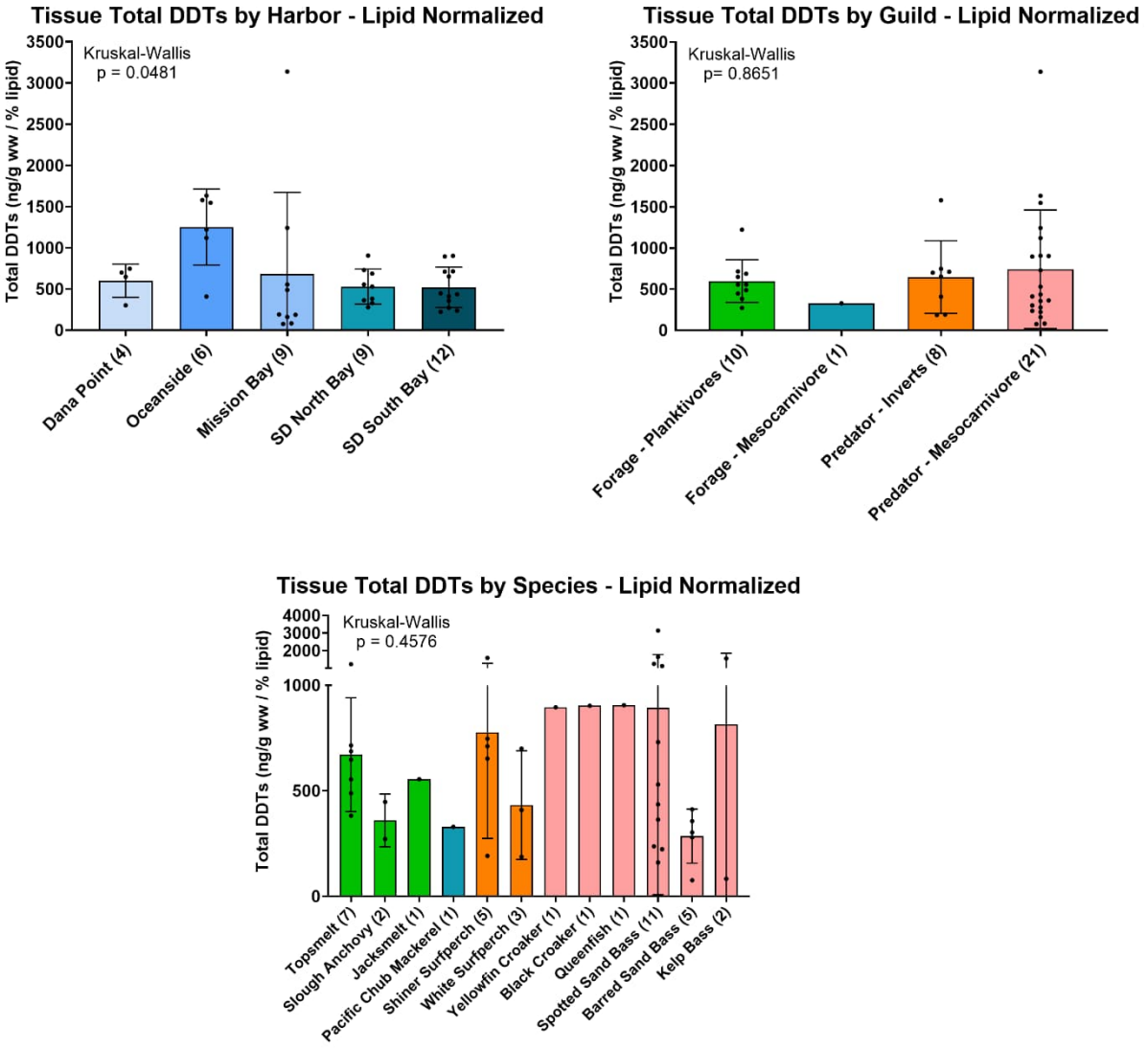


Figure E-2b. Ecological Risk Lipid-Normalized Tissue Concentration of Total DDTs Across Harbors, Feeding Guilds, and Species

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. Statistical significance between groups ($p \leq 0.05$) was determined using a Kruskal-Wallis ANOVA test. Tissue concentrations were transformed using a log(y+1) transformation prior to statistical analyses. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. ATL values are not available for lipid normalized data

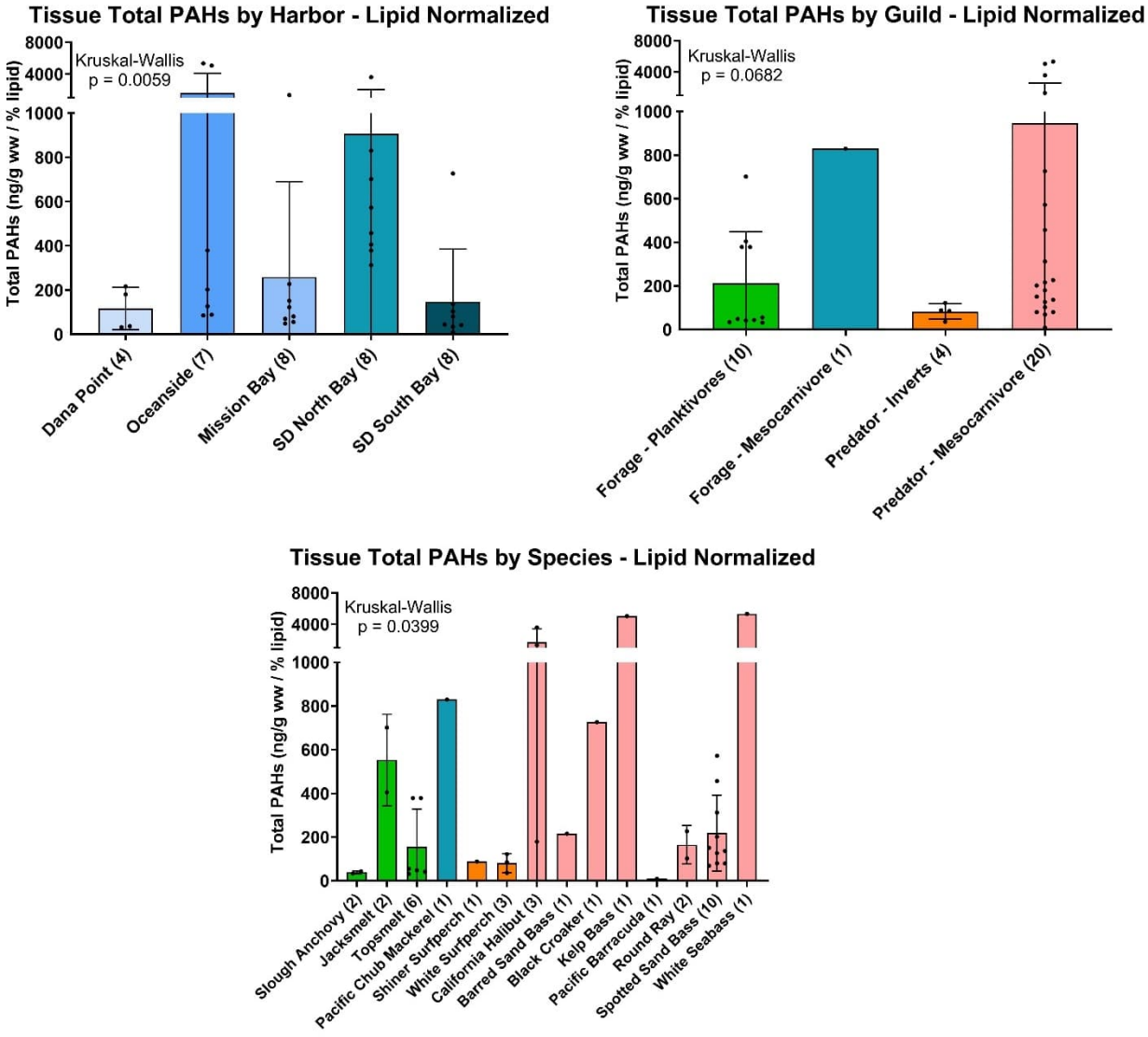


Figure E-3a. Human Health Lipid-Normalized Tissue Concentration of Total PAHs Across Harbors, Feeding Guilds, and Species

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. Statistical significance between groups ($p \leq 0.05$) was determined using a Kruskal-Wallis ANOVA test. Tissue concentrations were transformed using a log(y+1) transformation prior to statistical analyses. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. ATL values are not available for lipid normalized data

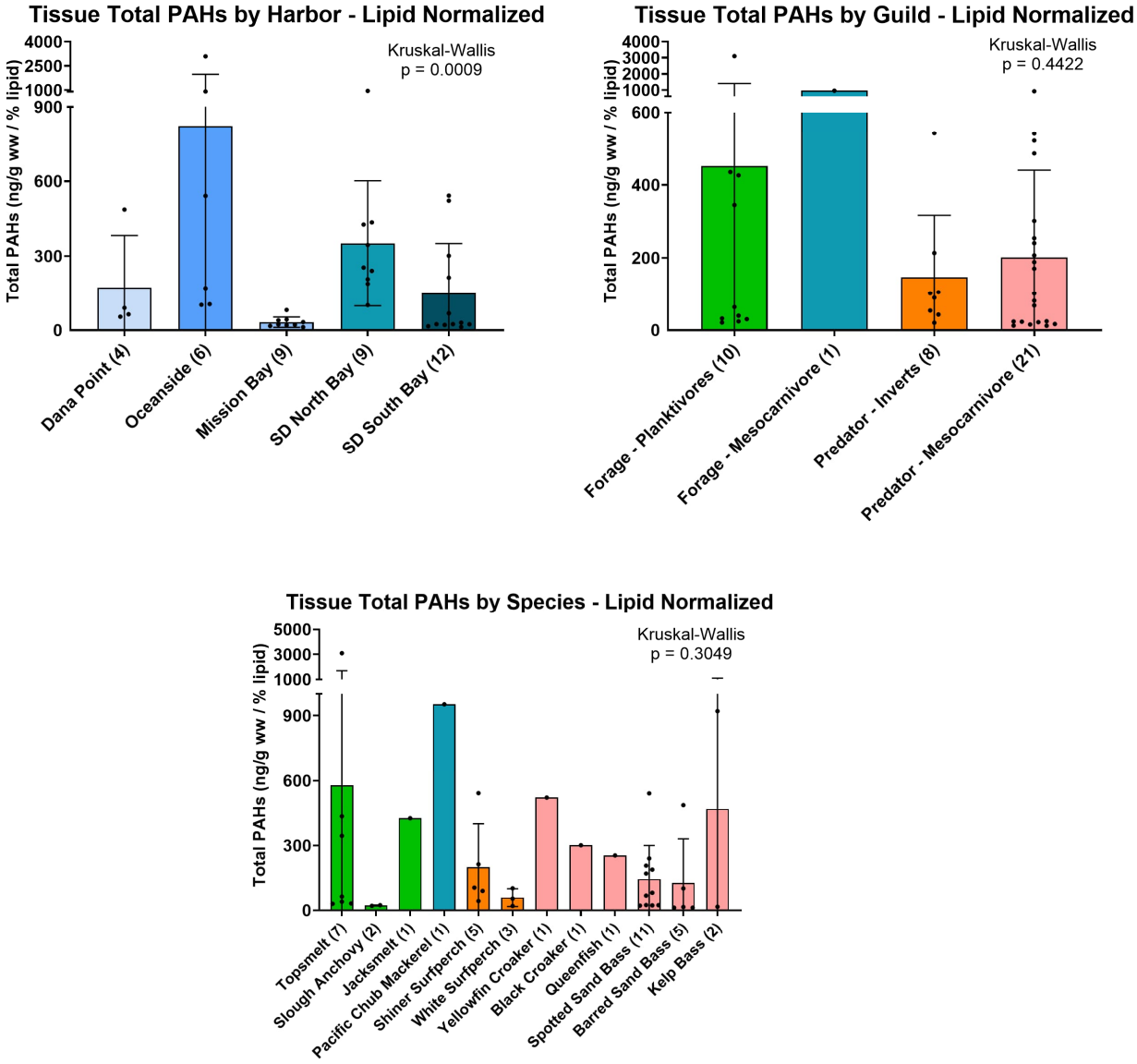


Figure E-3b. Ecological Risk Lipid-Normalized Tissue Concentration of Total PAHs Across Harbors, Feeding Guilds, and Species

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. Statistical significance between groups ($p \leq 0.05$) was determined using a Kruskal-Wallis ANOVA test. Tissue concentrations were transformed using a log(y+1) transformation prior to statistical analyses. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. ATL values are not available for lipid normalized data

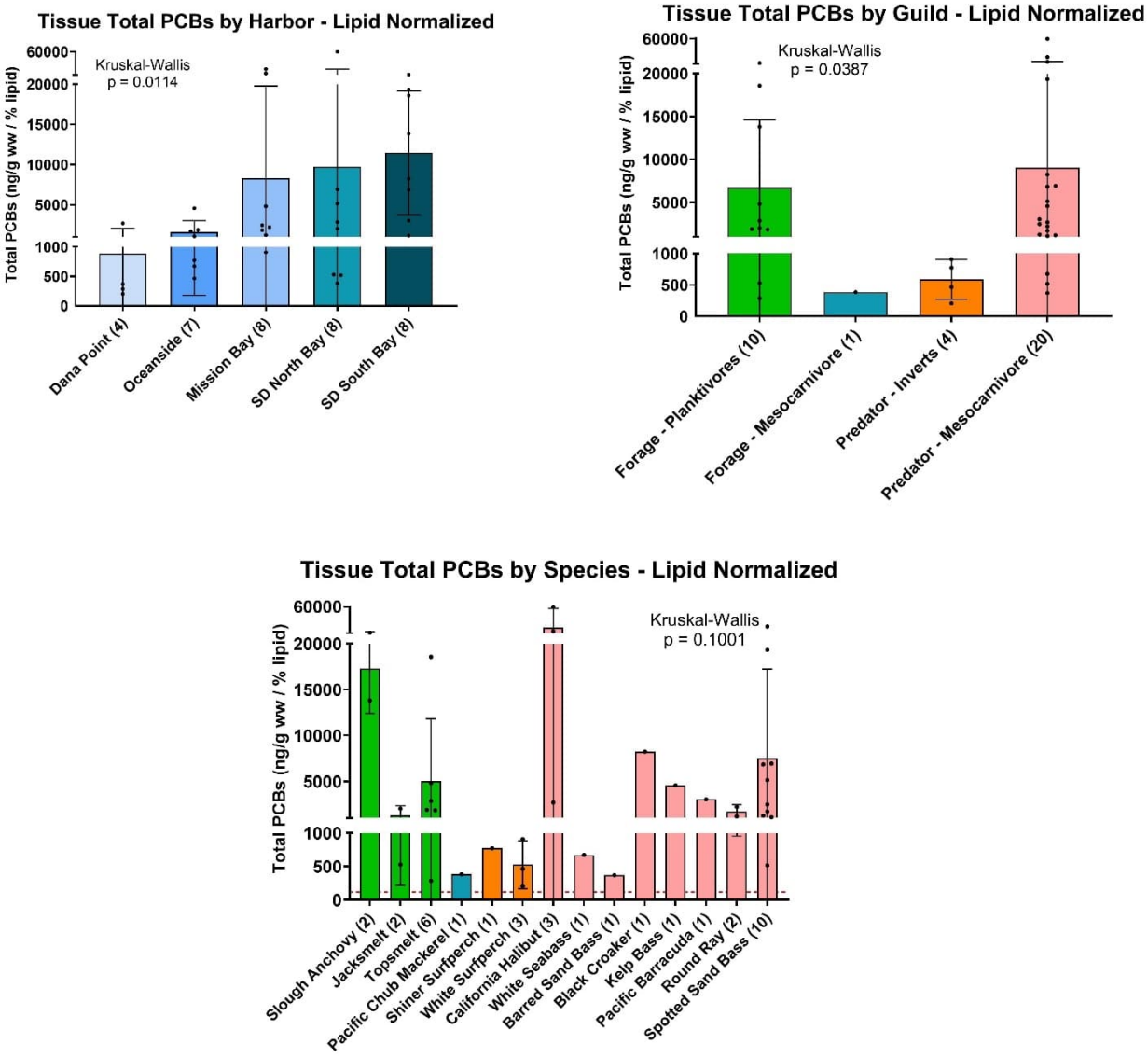


Figure E-4a. Human Heath Lipid-Normalized Tissue Concentration of Total PCBs Across Harbors, Feeding Guilds, and Species

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. Statistical significance between groups ($p \leq 0.05$) was determined using a Kruskal-Wallis ANOVA test. Tissue concentrations were transformed using a log(y+1) transformation prior to statistical analyses. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. ATL values are not available for lipid normalized data.

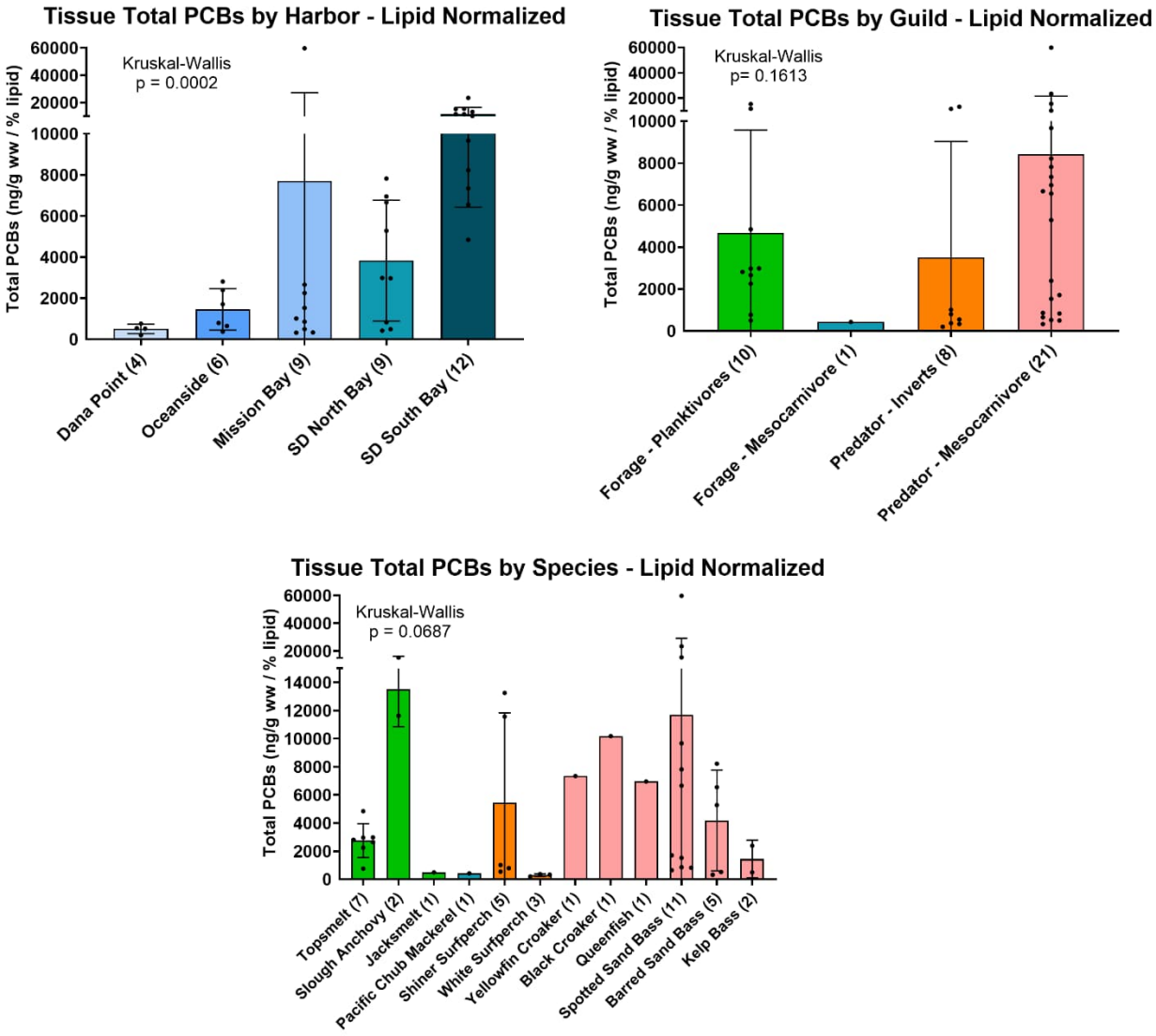


Figure E-4b. Ecological Risk Lipid-Normalized Tissue Concentration of Total PCBs Across Harbors, Feeding Guilds, and Species

Note: Bars represent averages, dots represent individual values, whiskers represent ±1 standard deviation. Statistical significance between groups ($p \leq 0.05$) was determined using a Kruskal-Wallis ANOVA test. Tissue concentrations were transformed using a log(y+1) transformation prior to statistical analyses. The number of samples represented by each bar is indicated in the parentheses after each site name on the x-axis. ATL values are not available for lipid normalized data.

APPENDIX F

TISSUE CHEMISTRY DATA VALIDATION REPORT (LDC)

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

WSP USA
9177 Sky Park Ct
San Diego, CA 92123
Attn: Ms. Kimbrie Gobbi
kimbrie.gobbi@wsp.com

July 7, 2025

SUBJECT: 2023 Regional Harbor Monitoring Program - Data Validation

Dear Ms. Gobbi,

Enclosed are the final validation reports for the fraction listed below. This SDG was received on April 10, 2025. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #60849:

SDG #	**Fraction**
2307008-026	Polynuclear Aromatic Hydrocarbons, Polychlorinated Biphenyls as Congeners, Chlorinated Pesticides, Metals, Wet Chemistry

The data validation was performed under Level II & IV guidelines. The analysis was validated using the following documents, as applicable to each method:

- Final Quality Assurance Project Plan for 2023 Regional Harbor Monitoring Program (July 2023)
- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for High Resolution Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

LDC #60849 (WSP/Wood Environment & Infrastructure Solutions, Inc. - San Diego, CA / San Diego Bay)

LDC	SDG#	Received Date	(21) Due Date	Validation Level	PAHs (8270E)	Pesticides (8270E)	PCB Congeners (8270E)	As & Se (6020)	Mercury (245.7)	Percent Lipids (Gravimetry)
Matrix Type:					Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
A	2307008-026	4/10/25	5/1/25	Level II	67	67	67	67	67	0
A	2307008-026	4/10/25	5/1/25	Level IV	8	8	8	8	8	8
Total			PM: PG		**75**	**75**	**75**	**75**	**75**	**8**

LDC	SDG#	Received Date	(21) Due Date	Validation Level	Percent Solids (2540B)
Matrix Type:					Tissue
A	2307008-026	4/10/25	5/1/25	Level II	0
A	2307008-026	4/10/25	5/1/25	Level IV	8
Total			PM: PG		**8**

These sample counts do not include MS/MSD, and DUPs.
EDD: EDD

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: 2023 Regional Harbor Monitoring Program

LDC Report Date: May 9, 2025

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level II & IV

Laboratory: Physis Environmental Laboratories, Inc., Anaheim, CA

Sample Delivery Group (SDG): 2307008-026

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date	Level
TS-DP-C1-HH	119153	Tissue	09/06/23	IV
TS-DP-C2-ER	119154	Tissue	09/06/23	IV
SSP-DP-ER	119155	Tissue	08/17/23	IV
WSP-DP-C1-HH	119156	Tissue	08/17/23	IV
WSP-DP-C2-ER	119157	Tissue	08/17/23	IV
CA-DP-HH	119158	Tissue	09/06/23	IV
BSB-DP-HH	119159	Tissue	09/06/23	IV
BSB-DP-ER	119160	Tissue	09/06/23	IV
SSB-OS-C1-HH	119161	Tissue	09/07/23	II
SSB-OS-C1-ER	119162	Tissue	09/07/23	II
SSB-OS-C2-HH	119163	Tissue	09/07/23	II
SSB-OS-C2-ER	119164	Tissue	09/07/23	II
TS-OS-C1-HH	119165	Tissue	09/07/23	II
TS-OS-C2-ER	119166	Tissue	09/07/23	II
SSP-OS-C1-HH	119167	Tissue	08/18/23	II
SSP-OS-C2-ER	119168	Tissue	08/18/23	II
WSP-OS-C1-HH	119169	Tissue	08/18/23	II
WSP-OS-C2-ER	119170	Tissue	08/18/23	II
WSB-OS-HH	119171	Tissue	09/07/23	II
KB-OS-HH	119172	Tissue	09/07/23	II
KB-OS-ER	119173	Tissue	09/07/23	II
SSB-MB-C1-HH	119174	Tissue	08/23/23	II
SSB-MB-C1-ER	119175	Tissue	08/23/23	II
SSB-MB-C2-HH	119176	Tissue	02/12/24	II
SSB-MB-C2-ER	119177	Tissue	02/12/24	II

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date	Level
SSB-MB-C3-HH	119178	Tissue	02/23/24	II
SSB-MB-C3-ER	119179	Tissue	02/23/24	II
SSP-MB-ER	119180	Tissue	08/23/23	II
WSP-MB-HH	119181	Tissue	08/23/23	II
WSP-MB-ER	119182	Tissue	08/23/23	II
CAH-MB-ER	119183	Tissue	08/23/23	II
BSB-MB-ER	119184	Tissue	08/23/23	II
KB-MB-ER	119185	Tissue	08/23/23	II
RR-MB-HH	119186	Tissue	08/23/23	II
TS-MB-C1-HH	119187	Tissue	02/12/24	II
TS-MB-C2-ER	119188	Tissue	02/12/24	II
TS-MB-C3-HH	119189	Tissue	02/23/24	II
TS-MB-C4-ER	119190	Tissue	02/23/24	II
PCM-NSDB-HH	119191	Tissue	09/15/23	II
PCM-NSDB-ER	119192	Tissue	09/15/23	II
SSB-NSDB-C1-HH	119193	Tissue	08/24/23	II
SSB-NSDB-C1-ER	119194	Tissue	08/24/23	II
SSB-NSDB-C2-HH	119195	Tissue	08/24/23	II
SSB-NSDB-C2-ER	119196	Tissue	08/24/23	II
SSB-NSDB-C3-HH	119197	Tissue	01/31/24	II
SSB-NSDB-C3-ER	119198	Tissue	01/31/24	II
JS-NSDB-C1-HH	119199	Tissue	09/15/23	II
JS-NSDB-C1-ER	119200	Tissue	09/15/23	II
JS-NSDB-C2-HH	119201	Tissue	01/31/24	II
TS-NSDB-C1-HH	119202	Tissue	09/15/23	II
TS-NSDB-C1-ER	119203	Tissue	09/15/23	II
TS-NSDB-C2-ER	119204	Tissue	09/15/23	II
CAH-NSDB-HH	119205	Tissue	08/24/23	II
QF-NSDB-ER	119206	Tissue	08/24/23	II
BSB-NSDB-ER	119207	Tissue	08/24/23	II
SSP-SSDB-C1-ER	119208	Tissue	08/25/23	II
SSP-SSDB-C2-ER	119209	Tissue	08/25/23	II
YFC-SSDB-ER	119210	Tissue	08/25/23	II
BC-SSDB-C1-HH	119211	Tissue	08/25/23	II
BC-SSDB-C1-ER	119212	Tissue	08/25/23	II
SSB-SSDB-C1-HH	119213	Tissue	08/24/23	II
SSB-SSDB-C1-ER	119214	Tissue	08/24/23	II
SSB-SSDB-C2-ER	119215	Tissue	08/24/23	II
SSB-SSDB-C3-HH	119216	Tissue	01/29/24	II
SSB-SSDB-C3-ER	119217	Tissue	01/29/24	II
BSB-SSDB-C1-ER	119218	Tissue	08/24/23	II
BSB-SSDB-C2-ER	119219	Tissue	08/25/23	II

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date	Level
PB-SSDB-HH	119220	Tissue	01/29/24	II
TS-SSDB-HH	119221	Tissue	01/29/24	II
TS-SSDB-ER	119222	Tissue	01/29/24	II
RR-SSDB-HH	119223	Tissue	08/24/23	II
SA-SSDB-C1-HH	119224	Tissue	08/25/23	II
SA-SSDB-C2-ER	119225	Tissue	08/25/23	II
SA-SSDB-C3-HH	119226	Tissue	08/25/23	II
SA-SSDB-C4-ER	119227	Tissue	08/25/23	II
SSB-OS-C1-HHMS	119161MS	Tissue	09/07/23	II
SSB-OS-C1-HHMSD	119161MSD	Tissue	09/07/23	II
SSB-OS-C1-HHDUP	119161DUP	Tissue	09/07/23	II
WSP-MB-HHMS	119181MS	Tissue	08/23/23	II
WSP-MB-HHMSD	119181MSD	Tissue	08/23/23	II
WSP-MB-HHDUP	119181DUP	Tissue	08/23/23	II
JS-NSDB-C1-HHMS	119199MS	Tissue	09/15/23	II
JS-NSDB-C1-HHMSD	119199MSD	Tissue	09/15/23	II
JS-NSDB-C1-HHDUP	119199DUP	Tissue	09/15/23	II
SSB-SSDB-C3-HHMS	119216MS	Tissue	01/29/24	II
SSB-SSDB-C3-HHMSD	119216MSD	Tissue	01/29/24	II
SSB-SSDB-C3-HHDUP	119216DUP	Tissue	01/29/24	II

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Final Quality Assurance Project Plan for 2023 Regional Harbor Monitoring Program (July 2023) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polynuclear Aromatic Hydrocarbons (PAHs) by Environmental Protection Agency (EPA) SW 846 Method 8270E

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary reports. For samples that were subjected to Level IV data validation, QA/QC summary reports and raw data were evaluated to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The reported result was an estimated quantity value.

U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

NJ (Tentatively identified): The analyte has been "tentatively identified" or "presumptively identified" as present, and the associated numerical value was the estimated concentration in the sample.

R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met with the following exceptions:

Sample	Analyte	Total Days From Sample Collection Until Extraction	Required Holding Time (in Days) From Sample Collection Until Extraction	Flag	A or P
TS-DP-C1-HH TS-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER	All analytes	491	365	J (all detects) UJ (all non-detects)	P
SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER	All analytes	511	365	J (all detects) UJ (all non-detects)	P
SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER WSB-OS-HH KB-OS-HH	All analytes	490	365	J (all detects) UJ (all non-detects)	P
SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER	All analytes	510	365	J (all detects) UJ (all non-detects)	P
KB-OS-ER	All analytes	493	365	J (all detects) UJ (all non-detects)	P
SSB-MB-C1-HH SSB-MB-C1-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER BSB-SSDB-C2-ER SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	All analytes	508	365	J (all detects) UJ (all non-detects)	P

PCM-NSDB-HH PCM-NSDB-ER	All analytes	485	365	J (all detects) UJ (all non-detects)	P
JS-NSDB-C1-HH JS-NSDB-C1-ER TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER	All analytes	486	365	J (all detects) UJ (all non-detects)	P
SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER	All analytes	507	365	J (all detects) UJ (all non-detects)	P
SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER BSB-SSDB-C1-ER RR-SSDB-HH	All analytes	509	365	J (all detects) UJ (all non-detects)	P

II. GC/MS Instrument Performance Check

Instrument performance check was performed at the required frequency.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r^2) was greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Flag	A or P
01/13/25	Benzo[k]fluoranthene Benzo[e]pyrene Benzo[a]pyrene Perylene	38 35 50 33	All samples in SDG 2307008-026	J (all detects) UJ (all non-detects)	A

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Flag	A or P
01/14/25	Benz[a]anthracene	41	TS-DP-C2-ER	UJ (all non-detects)	A
	Chrysene	121	SSP-DP-ER	UJ (all non-detects)	
	Benzo[b]fluoranthene	44	WSP-DP-C1-HH	UJ (all non-detects)	
	Indeno[1,2,3-cd]pyrene	51	WSP-DP-C2-ER	UJ (all non-detects)	
	Benzo[g,h,i]perylene	24	CA-DP-HH	UJ (all non-detects)	
			BSB-DP-HH		
			BSB-DP-ER		

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

No field blanks were identified in this SDG.

VII. Surrogates

Surrogates were added to all samples as required by the method. Surrogate recoveries (%R) were not within QC limits for sample BSB-SSDB-C2-ER. Using professional judgment, no data were qualified when one surrogate %R was outside the QC limits and the %R was greater than or equal to 10%.

VIII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Analyte	MS %R (50-150)	MSD %R (50-150)	Flag	A or P
SSB-OS-C1-HHMS/MSD (SSB-OS-C1-HH)	Naphthalene	49	-	UJ (all non-detects)	A
JS-NSDB-C1-HHMS/MSD (JS-NSDB-C1-HH)	Chrysene	174	204	NA	-

Relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Analyte	RPD (≤25)	Flag	A or P
JS-NSDB-C1-HHMS/MSD (JS-NSDB-C1-HH)	Benzo[a]pyrene	47	NA	-

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were less than 5X the reporting limit (RL).

IX. Laboratory Control Samples/Certified Reference Materials

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Analyte	LCS %R (70-130)	LCSD %R (70-130)	Flag	A or P
119141-BS1/-BS2 (TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER WSB-OS-HH KB-OS-HH)	1-Methylnaphthalene 2-Methylnaphthalene Acenaphthylene Naphthalene	62 61 63 52	69 67 - 53	J (all detects) UJ (all non-detects)	P
119142-BS1/-BS2 (KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER)	1-Methylnaphthalene 2-Methylnaphthalene Dibenz[a,h]anthracene Dibenzothiophene Indeno[1,2,3-cd]pyrene Naphthalene	66 64 57 69 67 55	- 69 62 - 69 63	J (all detects) UJ (all non-detects)	P

LCS ID (Associated Samples)	Analyte	LCS %R (70-130)	LCSD %R (70-130)	Flag	A or P
119143-BS1/-BS2 (SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER)	Benz[a]anthracene Indeno[1,2,3-cd]pyrene Dibenz[a,h]anthracene	135 136 -	131 139 131	NA	-
119143-BS1/-BS2 (TS-NSDB-C1-ER)	Benzo[b]fluoranthene	139	136	J (all detects)	P
119143-BS1/-BS2 (SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER)	Benzo[b]fluoranthene	139	136	NA	-

LCS ID (Associated Samples)	Analyte	LCS %R (70-130)	LCSD %R (70-130)	Flag	A or P
119143-BS1/-BS2 (SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER)	Perylene	65	-	UJ (all non-detects)	P
119144-BS1/-BS2 (SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER)	Naphthalene	46	52	UJ (all non-detects)	P

Relative percent differences (RPD) were within QC limits.

Certified reference materials (CRM) were analyzed as required by the method. The results were within QC limits with the following exceptions:

CRM ID	Analyte	%R (75-125)	Associated Samples	Flag	A or P
119145-CRM1	1-Methylnaphthalene Acenaphthene Anthracene Benzo[g,h,i]perylene Biphenyl Chrysene Dibenz[a,h]anthracene Dibenzothiophene Naphthalene Phenanthrene	67 54 65 66 68 74 0 62 58 70	TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER WSB-OS-HH KB-OS-HH	J (all detects) UJ (all non-detects)	A
119145-CRM1	Fluoranthene	128	TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER WSB-OS-HH KB-OS-HH	NA	-
119146-CRM1	1-Methylnaphthalene Acenaphthene Biphenyl Dibenz[a,h]anthracene Dibenzothiophene Naphthalene	73 73 71 0 52 64	KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER	J (all detects) UJ (all non-detects)	A

CRM ID	Analyte	%R (75-125)	Associated Samples	Flag	A or P
119146-CRM1	1-Methylphenanthrene	133	KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER	NA	-
119146-CRM1	Anthracene	140	KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER	NA	-
119146-CRM1	Anthracene	140	SSB-MB-C1-ER	J (all detects)	A
119147-CRM1	1-Methylnaphthalene 2-Methylnaphthalene Acenaphthene Anthracene Benzo[k]fluoranthene Dibenz[a,h]anthracene Dibenzothiophene Fluorene Naphthalene	61 67 60 71 71 0 57 63 61	SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER	J (all detects) UJ (all non-detects)	A

CRM ID	Analyte	%R (75-125)	Associated Samples	Flag	A or P
119147-CRM1	Benzo[g,h,i]perylene Perylene	133 146	SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER	NA	-
119148-CRM1	1-Methylphenanthrene	137	SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	NA	-
119148-CRM1	Biphenyl Dibenz[a,h]anthracene Naphthalene	67 0 67	SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A

X. Field Duplicates

No field duplicates were identified in this SDG.

XI. Internal Standards

All internal standard percent recoveries (%R) were within QC limits with the following exceptions:

Sample	Internal Standards	%R (50-200)	Affected Analyte	Flag	A or P
TS-DP-C1-HH	Benzo[a]pyrene-d12	23	Chrysene,Benzo[b]fluoranthene Benzo[k]fluoranthene Benzo[e]pyrene Benzo[a]pyrene Perylene,Indeno[1,2,3-cd]pyrene Dibenz[a,h]anthracene Benzo[g,h,i]perylene	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P
TS-DP-C2-ER	Benzo[a]pyrene-d12	27	Chrysene,Benzo[b]fluoranthene Benzo[k]fluoranthene Benzo[e]pyrene Benzo[a]pyrene Perylene,Indeno[1,2,3-cd]pyrene Dibenz[a,h]anthracene Benzo[g,h,i]perylene	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P
SSP-DP-ER	Benzo[a]pyrene-d12	22	Chrysene,Benzo[b]fluoranthene Benzo[k]fluoranthene Benzo[e]pyrene Benzo[a]pyrene Perylene,Indeno[1,2,3-cd]pyrene Dibenz[a,h]anthracene Benzo[g,h,i]perylene	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P
WSP-DP-C1-HH	Benzo[a]pyrene-d12	18	Chrysene,Benzo[b]fluoranthene Benzo[k]fluoranthene Benzo[e]pyrene Benzo[a]pyrene Perylene,Indeno[1,2,3-cd]pyrene Dibenz[a,h]anthracene Benzo[g,h,i]perylene	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P
WSP-DP-C2-ER	Benzo[a]pyrene-d12	19	Chrysene,Benzo[b]fluoranthene Benzo[k]fluoranthene Benzo[e]pyrene Benzo[a]pyrene Perylene,Indeno[1,2,3-cd]pyrene Dibenz[a,h]anthracene Benzo[g,h,i]perylene	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P
CA-DP-HH	Benzo[a]pyrene-d12	17	Chrysene,Benzo[b]fluoranthene Benzo[k]fluoranthene Benzo[e]pyrene Benzo[a]pyrene Perylene,Indeno[1,2,3-cd]pyrene Dibenz[a,h]anthracene Benzo[g,h,i]perylene	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P
BSB-DP-HH	Benzo[a]pyrene-d12 Anthracene-d10	17 47	All analytes	J (all detects) UJ (all non-detects)	P
BSB-DP-ER	Benzo[a]pyrene-d12 Anthracene-d10	34 16	All analytes	J (all detects) UJ (all non-detects)	P

XII. Target Analyte Quantitation

All target analyte quantitations met validation criteria for samples which underwent Level IV validation. Raw data were not reviewed for Level II validation.

XIII. Target Analyte Identification

All target analyte identifications met validation criteria for samples which underwent Level IV validation. Raw data were not reviewed for Level II validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method.

The laboratory indicated that the raw data could not be regenerated for several samples and some of the surrogates were not verified.

Data qualified due to technical holding time, ICV %D, continuing calibration %D, MS/MSD %R, LCS/LCSD %R, CRM %R, and internal standard %R are summarized and presented in the Data Qualification Summary.

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Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 2307008-026

Sample	Analyte	Flag	A or P	Reason
TS-DP-C1-HH TS-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER WSB-OS-HH KB-OS-HH SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER BSB-SSDB-C2-ER SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER PCM-NSDB-HH PCM-NSDB-ER JS-NSDB-C1-HH JS-NSDB-C1-ER TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER BSB-SSDB-C1-ER RR-SSDB-HH	All analytes	J (all detects) UJ (all non-detects)	P	Technical holding times

Sample	Analyte	Flag	A or P	Reason
TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER WSB-OS-HH KB-OS-HH KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH	Benzo[k]fluoranthene Benzo[e]pyrene Benzo[a]pyrene Perylene	J (all detects) UJ (all non-detects)	A	Initial calibration verification (%D)

Sample	Analyte	Flag	A or P	Reason
SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	Benzo[k]fluoranthene Benzo[e]pyrene Benzo[a]pyrene Perylene	J (all detects) UJ (all non-detects)	A	Initial calibration verification (%D)
TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER	Benz[a]anthracene Chrysene Benzo[b]fluoranthene Indeno[1,2,3-cd]pyrene Benzo[g,h,i]perylene	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Continuing calibration (%D)
SSB-OS-C1-HH	Naphthalene	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER WSB-OS-HH KB-OS-HH	1-Methylnaphthalene 2-Methylnaphthalene Acenaphthylene Naphthalene	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER	1-Methylnaphthalene 2-Methylnaphthalene Dibenz[a,h]anthracene Dibenzothiophene Indeno[1,2,3-cd]pyrene Naphthalene	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
TS-NSDB-C1-ER	Benzo[b]fluoranthene	J (all detects)	P	Laboratory control samples (%R)

Sample	Analyte	Flag	A or P	Reason
SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER	Perylene	UJ (all non-detects)	P	Laboratory control samples (%R)
SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	Naphthalene	UJ (all non-detects)	P	Laboratory control samples (%R)
TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER WSB-OS-HH KB-OS-HH	1-Methylnaphthalene Acenaphthene Anthracene Benzo[g,h,i]perylene Biphenyl Chrysene Dibenz[a,h]anthracene Dibenzothiophene Naphthalene Phenanthrene	J (all detects) UJ (all non-detects)	A	Certified reference materials (%R)

Sample	Analyte	Flag	A or P	Reason
KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER	1-Methylnaphthalene Acenaphthene Biphenyl Dibenz[a,h]anthracene Dibenzothiophene Naphthalene	J (all detects) UJ (all non-detects)	A	Certified reference materials (%R)
SSB-MB-C1-ER	Anthracene	J (all detects)	A	Certified reference materials (%R)
SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER	1-Methylnaphthalene 2-Methylnaphthalene Acenaphthene Anthracene Benzo[k]fluoranthene Dibenz[a,h]anthracene Dibenzothiophene Fluorene Naphthalene	J (all detects) UJ (all non-detects)	A	Certified reference materials (%R)
SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	Biphenyl Dibenz[a,h]anthracene Naphthalene	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Certified reference materials (%R)

Sample	Analyte	Flag	A or P	Reason
TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH	Chrysene,Benzo[b]fluoranthene Benzo[k]fluoranthene Benzo[e]pyrene Benzo[a]pyrene Perylene,Indeno[1,2,3-cd]pyrene Dibenz[a,h]anthracene Benzo[g,h,i]perylene	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Internal standards (%R)
BSB-DP-HH BSB-DP-ER	All analytes	J (all detects) UJ (all non-detects)	P	Internal standards (%R)

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No Sample Data Qualified in this SDG

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Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 2307008-026

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60849A
SDG #: 2307008-026
Laboratory: Physis Environmental Laboratories, Anaheim, CA

Method: PAHs (EPA 8270E)

Date: 4/10/2025
Page: 1
Reviewer: CW
2nd Reviewer: KM

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample Receipt/Technical Holding Time	A/SW	
II	GC/MS Instrument Performance Check	A	
III	Initial Calibration/ ICV	A/SW	r > 1|q|≤30%D
IV	Continuing Calibration	SW	%D ≤ 20%
V	Laboratory Blanks	A	
VI	Field Blank	N	
VII	Surrogate Spikes	SW	
VIII	Matrix Spike/Matrix Spike Duplicate /DMP	SW	1 SXR
IX	Laboratory Control Sample /CRM	SW	LCS/D
X	Field Duplicate	N	
XI	Internal standards	SW	
XII	Target Analyte Quantitation	A	
XIII	Target Analyte Identification	A	
XIV	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = Not detected; NQ = Not qualified; FD = Field duplicate; FT = Field triplicate; TB = Trip blank; FB = Field blank; AB= Ambient blank; SB = Source blank; EB = Equipment blank; R = Rinsate

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	TS-DP-C1-HH	119153		Tissue	09/06/2023	Level IV
2	TS-DP-C2-ER	119154		Tissue	09/06/2023	Level IV
3	SSP-DP-ER	119155		Tissue	08/17/2023	Level IV
4	WSP-DP-C1-HH	119156		Tissue	08/17/2023	Level IV
5	WSP-DP-C2-ER	119157		Tissue	08/17/2023	Level IV
6	CA-DP-HH	119158		Tissue	09/06/2023	Level IV
7	BSB-DP-HH	119159		Tissue	09/06/2023	Level IV
8	BSB-DP-ER	119160		Tissue	09/06/2023	Level IV
9	SSB-OS-C1-HH	119161		Tissue	09/07/2023	Level II
10	SSB-OS-C1-ER	119162		Tissue	09/07/2023	Level II
11	SSB-OS-C2-HH	119163		Tissue	09/07/2023	Level II
12	SSB-OS-C2-ER	119164		Tissue	09/07/2023	Level II
13	TS-OS-C1-HH	119165		Tissue	09/07/2023	Level II
14	TS-OS-C2-ER	119166		Tissue	09/07/2023	Level II
15	SSP-OS-C1-HH	119167		Tissue	08/18/2023	Level II
16	SSP-OS-C2-ER	119168		Tissue	08/18/2023	Level II
17	WSP-OS-C1-HH	119169		Tissue	08/18/2023	Level II
18	WSP-OS-C2-ER	119170		Tissue	08/18/2023	Level II
19	WSB-OS-HH	119171		Tissue	09/07/2023	Level II
20	KB-OS-HH	119172		Tissue	09/07/2023	Level II
21	KB-OS-ER	119173		Tissue	09/07/2023	Level II

VALIDATION COMPLETENESS WORKSHEET

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22	SSB-MB-C1-HH	119174		Tissue	08/23/2023	Level II
23	SSB-MB-C1-ER	119175		Tissue	08/23/2023	Level II
24	SSB-MB-C2-HH	119176		Tissue	02/12/2024	Level II
25	SSB-MB-C2-ER	119177		Tissue	02/12/2024	Level II
26	SSB-MB-C3-HH	119178		Tissue	02/23/2024	Level II
27	SSB-MB-C3-ER	119179		Tissue	02/23/2024	Level II
28	SSP-MB-ER	119180		Tissue	08/23/2023	Level II
29	WSP-MB-HH	119181		Tissue	08/23/2023	Level II
30	WSP-MB-ER	119182		Tissue	08/23/2023	Level II
31	CAH-MB-ER	119183		Tissue	08/23/2023	Level II
32	BSB-MB-ER	119184		Tissue	08/23/2023	Level II
33	KB-MB-ER	119185		Tissue	08/23/2023	Level II
34	RR-MB-HH	119186		Tissue	08/23/2023	Level II
35	TS-MB-C1-HH	119187		Tissue	02/12/2024	Level II
36	TS-MB-C2-ER	119188		Tissue	02/12/2024	Level II
37	TS-MB-C3-HH	119189		Tissue	02/23/2024	Level II
38	TS-MB-C4-ER	119190		Tissue	02/23/2024	Level II
39	PCM-NSDB-HH	119191		Tissue	09/15/2023	Level II
40	PCM-NSDB-ER	119192		Tissue	09/15/2023	Level II
41	SSB-NSDB-C1-HH	119193		Tissue	08/24/2023	Level II
42	SSB-NSDB-C1-ER	119194		Tissue	08/24/2023	Level II
43	SSB-NSDB-C2-HH	119195		Tissue	08/24/2023	Level II
44	SSB-NSDB-C2-ER	119196		Tissue	08/24/2023	Level II
45	SSB-NSDB-C3-HH	119197		Tissue	01/31/2024	Level II
46	SSB-NSDB-C3-ER	119198		Tissue	01/31/2024	Level II
47	JS-NSDB-C1-HH	119199		Tissue	09/15/2023	Level II
48	JS-NSDB-C1-ER	119200		Tissue	09/15/2023	Level II
49	JS-NSDB-C2-HH	119201		Tissue	01/31/2024	Level II
50	TS-NSDB-C1-HH	119202		Tissue	09/15/2023	Level II
51	TS-NSDB-C1-ER	119203		Tissue	09/15/2023	Level II
52	TS-NSDB-C2-ER	119204		Tissue	09/15/2023	Level II
53	CAH-NSDB-HH	119205		Tissue	08/24/2023	Level II
54	QF-NSDB-ER	119206		Tissue	08/24/2023	Level II
55	BSB-NSDB-ER	119207		Tissue	08/24/2023	Level II
56	SSP-SSDB-C1-ER	119208		Tissue	08/25/2023	Level II
57	SSP-SSDB-C2-ER	119209		Tissue	08/25/2023	Level II
58	YFC-SSDB-ER	119210		Tissue	08/25/2023	Level II
59	BC-SSDB-C1-HH	119211		Tissue	08/25/2023	Level II
60	BC-SSDB-C1-ER	119212		Tissue	08/25/2023	Level II
61	SSB-SSDB-C1-HH	119213		Tissue	08/24/2023	Level II
62	SSB-SSDB-C1-ER	119214		Tissue	08/24/2023	Level II
63	SSB-SSDB-C2-ER	119215		Tissue	08/24/2023	Level II
64	SSB-SSDB-C3-HH	119216		Tissue	01/29/2024	Level II
65	SSB-SSDB-C3-ER	119217		Tissue	01/29/2024	Level II
66	BSB-SSDB-C1-ER	119218		Tissue	08/24/2023	Level II
67	BSB-SSDB-C2-ER	119219		Tissue	08/25/2023	Level II
68	PB-SSDB-HH	119220		Tissue	01/29/2024	Level II
69	TS-SSDB-HH	119221		Tissue	01/29/2024	Level II
70	TS-SSDB-ER	119222		Tissue	01/29/2024	Level II
71	RR-SSDB-HH	119223		Tissue	08/24/2023	Level II
72	SA-SSDB-C1-HH	119224		Tissue	08/25/2023	Level II
73	SA-SSDB-C2-ER	119225		Tissue	08/25/2023	Level II
74	SA-SSDB-C3-HH	119226		Tissue	08/25/2023	Level II

VALIDATION COMPLETENESS WORKSHEET

75	SA-SSDB-C4-ER	119227		Tissue	08/25/2023	Level II
76	SSB-OS-C1-HHMS	119161MS	MS	Tissue	09/07/2023	Level II
77	SSB-OS-C1-HHMSD	119161MSD	MSD	Tissue	09/07/2023	Level II
78	SSB-OS-C1-HHDUP	119161DUP	DUP	Tissue	09/07/2023	Level II
79	WSP-MB-HHMS	119181MS	MS	Tissue	08/23/2023	Level II
80	WSP-MB-HHMSD	119181MSD	MSD	Tissue	08/23/2023	Level II
81	WSP-MB-HHDUP	119181DUP	DUP	Tissue	08/23/2023	Level II
82	JS-NSDB-C1-HHMS	119199MS	MS	Tissue	09/15/2023	Level II
83	JS-NSDB-C1-HHMSD	119199MSD	MSD	Tissue	09/15/2023	Level II
84	JS-NSDB-C1-HHDUP	119199DUP	DUP	Tissue	09/15/2023	Level II
85	SSB-SSDB-C3-HHMS	119216MS	MS	Tissue	01/29/2024	Level II
86	SSB-SSDB-C3-HHMSD	119216MSD	MSD	Tissue	01/29/2024	Level II
87	SSB-SSDB-C3-HHDUP	119216DUP	DUP	Tissue	01/29/2024	Level II

Notes:

LDC #: 60834SA

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: CV

Method: Semivolatiles (EPA SW 846 Method 8270)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?		✓		
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?			✓	
Were all samples analyzed within the 12 hour clock criteria?			✓	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?			✓	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?		✓		
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?		✓		
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	✓			

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?		✓		
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET ANALYTE LIST

METHOD: GC/MS SVOC

A. Phenol	GG. Acenaphthene	MMM. Bis(2-Chloroisopropyl)ether	SSSS. 2/3-Dimethyldibenzothiophene	Y1. 3,3'-Dimethylbenzidine
B. Bis (2-chloroethyl) ether	HH. 2,4-Dinitrophenol	NNN. Aniline	TTTT. 1-Methyldibenzothiophene	Z1. o-Toluidine
C. 2-Chlorophenol	II. 4-Nitrophenol	OOO. N-Nitrosodimethylamine	UUUU.. 2,3,4,6-Tetrachlorophenol	A2. Benzo(j)fluoranthene
D. 1,3-Dichlorobenzene	JJ. Dibenzofuran	PPP. Benzoic Acid	VVVV. 1,2,4,5-Tetrachlorobenzene	B2. Benzofluoranthenes, total
E. 1,4-Dichlorobenzene	KK. 2,4-Dinitrotoluene	QQQ. Benzyl alcohol	WWWW.. 2-Picoline	C2. trans-Decalin
F. 1,2-Dichlorobenzene	LL. Diethylphthalate	RRR. Pyridine	XXXX. 3-Methylcholanthrene	D2. cis-Decalin
G. 2-Methylphenol	MM. 4-Chlorophenyl-phenyl ether	SSS. Benzidine	YYYY. a,a-Dimethylphenethylamine	E2. Dibenzo(a)anthracenes
H. 2,2'-Oxybis(1-chloropropane)	NN. Fluorene	TTT. 1-Methylnaphthalene	ZZZZ. Hexachloropropene	F2. Benzo(j)+(k)fluoranthene
I. 4-Methylphenol	OO. 4-Nitroaniline	UUU.Benzo(b)thiophene	A1. N-Nitrosodiethylamine	G2.
J. N-Nitroso-di-n-propylamine	PP. 4,6-Dinitro-2-methylphenol	VVV.Benzonaphthothiophene	B1. N-Nitrosodi-n-butylamine	H2.
K. Hexachloroethane	QQ. N-Nitrosodiphenylamine	WWW.Benzo(e)pyrene	C1. N-Nitrosomethylethylamine	I2.
L. Nitrobenzene	RR. 4-Bromophenyl-phenylether	XXX. 2,6-Dimethylnaphthalene	D1. N-Nitrosomorpholine	J2.
M. Isophorone	SS. Hexachlorobenzene	YYY. 2,3,5-Trimethylnaphthalene	E1. N-Nitrosopyrrolidine	K2.
N. 2-Nitrophenol	TT. Pentachlorophenol	ZZZ. Perylene	F1. Phenacetin	L2.
O. 2,4-Dimethylphenol	UU. Phenanthrene	AAAA. Dibenzothiophene	G1. 2-Acetylaminofluorene	M2.
P. Bis(2-chloroethoxy)methane	VV. Anthracene	BBBB. Benzo(a)fluoranthene	H1. Pronamide	N2.
Q. 2,4-Dichlorophenol	WW. Carbazole	CCCC. Benzo(b)fluorene	I1. Methyl methanesulfonate	O2.
R. 1,2,4-Trichlorobenzene	XX. Di-n-butylphthalate	DDDD. cis/trans-Decalin	J1. Ethyl methanesulfonate	P2.
S. Naphthalene	YY. Fluoranthene	EEEE. Biphenyl	K1. o,o',o''-Triethylphosphorothioate	Q2.
T. 4-Chloroaniline	ZZ. Pyrene	FFFF. Retene	L1. n-Phenylene diamine	R2.
U. Hexachlorobutadiene	AAA. Butylbenzylphthalate	GGGG. C30-Hopane	M1. 1,4-Naphthoquinone	S2.
V. 4-Chloro-3-methylphenol	BBB. 3,3'-Dichlorobenzidine	HHHH. 1-Methylphenanthrene	N1. N-Nitro-o-toluidine	T2.
W. 2-Methylnaphthalene	CCC. Benzo(a)anthracene	IIII. 1,4-Dioxane	O1. 1,3,5-Trinitrobenzene	U2.
X. Hexachlorocyclopentadiene	DDD. Chrysene	JJJJ. Acetophenone	P1. Pentachlorobenzene	V2..
Y. 2,4,6-Trichlorophenol	EEE. Bis(2-ethylhexyl)phthalate	KKKK. Atrazine	Q1. 4-Aminobiphenyl	W2
Z. 2,4,5-Trichlorophenol	FFF. Di-n-octylphthalate	LLLL. Benzaldehyde	R1. 2-Naphthylamine	X2..
AA. 2-Chloronaphthalene	GGG. Benzo(b)fluoranthene	MMMM. Caprolactam	S1. Triphenylene	Y2.
BB. 2-Nitroaniline	HHH. Benzo(k)fluoranthene	NNNN. 2,6-Dichlorophenol	T1. Octachlorostyrene	Z2.
CC. Dimethylphthalate	III. Benzo(a)pyrene	OOOO. 1,2-Diphenylhydrazine	U1. Famphur	
DD. Acenaphthylene	JJJ. Indeno(1,2,3-cd)pyrene	PPPP. 3-Methylphenol	V1. 1,4-phenylenediamine	
EE. 2,6-Dinitrotoluene	KKK. Dibenz(a,h)anthracene	QQQQ. 3&4-Methylphenol	W1. Methapyrilene	
FF. 3-Nitroaniline	LLL. Benzo(g,h,i)perylene	RRRR. 4-Dimethyldibenzothiophene	X1. Pentachloroethane	

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Technical Holding Times

Reviewer: PG

Samples identified below have exceeded the cooler temperature validation criteria of 0-6 deg C or the technical holding time criteria.

METHOD: GC/MS BNA (EPA SW 846 Method 8270E)

Sample ID	Matrix	Preserved	Samplind date	Extraction date	Analysis date	HT = 1 year Total # of days	Qualifier
1-2,6-8	Tissue		9-6-23	1-9-25		491	J/UJ/P
3-5	↓		8-17-23	1-9-25		511	↓
9-14, 19-20			9-7-23	1-9-25		490	
15-18			8-18-23	1-9-25		510	
21			9-7-23	1-12-25		493	
22-22, 28-34			8-23/23	1-12-25		508	
39-40			9-15-23	1-12-25		485	
41-44, 53-55			8-24-23	1-13-25		508	
47-48, 50-52			9-15-23	1-13-25		486	
56-60			8-25/23	1-13-25		507	
61-63, 66, 71			8-24-23	1-14-25		509	
67, 72-75	↓		8-25-23	1-14-25		508	↓
+MS/MSD/DUP							
(dot + N(D))							

TECHNICAL HOLDING TIME CRITERIA:

EXTRACTABLES: Water: Extracted within 7 days, analyzed within 40 days
Soils: Extracted within 14 days, analyzed within 40 days

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Reviewer: PG

METHOD: GC/MS BNA (EPA SW 846 Method 8270E)
A second source verification standard was analyzed after each ICAL for each instrument.
All analytes met the second source verification standards validation criteria with the exceptions identified below.

#	Date	Standard ID	Analyte	%D (Limit ≤30%)	Associated samples	Qualifications
	1/13/2025	ICV	Benzo[k]fluoranthene	38	All (dets+NDs)	J/UJ/A
			Benzo[e]pyrene	35		
			Benzo[a]pyrene	50		
			Perylene	33		

	DOD	NFG
%D	20%	30%

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: PG

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Continuing calibration standards were analyzed at the required frequencies.

The retention times for all calibrated compounds were within their respective acceptance windows.

All analytes met the continuing calibration standards validation criteria with the exceptions identified below.

#	Date	Standard ID	Compound	%D (Limit ≤ 20 %)	RRF (Limits)	Associated samples	Qualifications
	1/14/2025	PAH250_p1291_CCV	Benz[a]anthracene	41		2-8 CWD	J/UJ/A
			Chrysene	121			
			Benzo[b]fluoranthene	44			
			Indeno[1,2,3-cd]pyrene	51			
			Benzo[g,h,i]perylene	24			

DOD
%D 20%/50%

NFG
Method criteria

RRF: 0.05

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Surrogate Recovery

Reviewer: PG

METHOD: GC/MS BNA (EPA SW 846 Method 8270)
Surrogates were added to all samples as required by the method.
All surrogate recoveries (%R) were within QC limits with the exceptions identified below.

#	Sample ID	Surrogate Compound	%R	Limits	Qualifications
	67 (dets+ND)	d8-Naphthalene	126	25-125	NQ - one out

(NBZ) = Nitrobenzene-d5
(FBP) = 2-Fluorobiphenyl
(TPH) = Terphenyl-d14
(PHL) = Phenol-d5
(2FP)= 2-Fluorophenol
(TBP) = 2,4,6-Tribromophenol
(2MN) = 2-Methylnaphthalene-d10
(FLN) = Fluoranthene-d10
(MNP) = 1-Methylnaphthalene-d10
(2CP) = 2-Chlorophenol-d4
(DCB) = 1,2-Dichlorobenzene-d4

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: PG

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample.

Percent recoveries (%R) and %RPD were within QC limits with the exceptions identified below.

MS/MSD ID	Analyte	MS %R	MSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
76/77	Naphthalene	49		50-150			9 (ND)	J/UJ/A
82/83	Chrysene	174	204	50-150			47 (ND)	Jdets/A
	Benzo[a]pyrene				47	25		↓
78, 87					RPD out			NQ < 5XRL

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

METHOD: GC/MS BNA (EPA SW 846 Method 8270E)

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method.
Percent recoveries (%R) and Relative percent differences (RPD) were within QC limits with the exceptions identified below.

LCS/LCSD	Analyte	LCS %R	LCSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
119141-BS1/-BS2	1-Methylnaphthalene	62	69	70-130			1-20 (dets+ND)	J/UJ/P
	2-Methylnaphthalene	61	67	70-130				
	Acenaphthylene	63		70-130				
	Naphthalene	52	53	70-130				
119142-BS1/-BS2	1-Methylnaphthalene	66		70-130			21-40 (dets+ND)	J/UJ/P
	2-Methylnaphthalene	64	69	70-130				
	Dibenz[a,h]anthracene	57	62	70-130				
	Dibenzothiophene	69		70-130				
	Indeno[1,2,3-cd]pyrene	67	69	70-130				
	Naphthalene	55	63	70-130				
119143-BS1/-BS2	Benz[a]anthracene	135	131	70-130			41-60 (ND)	Jdets/P
	Benzo[b]fluoranthene	139	136	70-130			dets= 51	
	Indeno[1,2,3-cd]pyrene	136	139	70-130			(ND)	
	Perylene	65		70-130			(ND)	J/UJ/P
	Dibenz[a,h]anthracene		131	70-130			(ND)	Jdets/P
119144-BS1/-BS2	Naphthalene	46	52	70-130			61-75 (ND)	J/UJ/P
119145-CRM1	1-Methylnaphthalene	67		75-125			1-20 (dets+ND)	J/UJ/A
	Acenaphthene	54						
	Anthracene	65						
	Benzo[g,h,i]perylene	66						

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: PG

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method.
Percent recoveries (%R) and Relative percent differences (RPD) were within QC limits with the exceptions identified below.

LCS/LCSD	Analyte	LCS %R	LCSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
119145-CRM1	Biphenyl	68		75-125			1-20 (dets+ND)	J/UJ/A
	Chrysene	74		75-125				
	Dibenz[a,h]anthracene	0		75-125				
	Dibenzothiophene	62		75-125				
	Naphthalene	58		75-125				
	Phenanthrene	70		75-125				
	Fluoranthene	128		75-125			(ND)	~~dets~~/A
119146-CRM1	1-Methylnaphthalene	73		75-125			21-40 (dets+ND)	J/UJ/A
	Acenaphthene	73						
	Biphenyl	71						
	Dibenz[a,h]anthracene	0						
	Dibenzothiophene	52						
	Naphthalene	64						
	1-Methylphenanthrene	133					(ND)	Jdets/A
	Anthracene	140					~~dets~~	
119147-CRM1	1-Methylnaphthalene	61		75-125			41-60 (dets+ND)	J/UJ/A
	2-Methylnaphthalene	67						
	Acenaphthene	60						
	Anthracene	71						
	Benzo[k]fluoranthene	71						
	Dibenz[a,h]anthracene	0						
	Dibenzothiophene	57						
	Fluorene	63						
	Naphthalene	61						
	Benzo[g,h,i]perylene	133					(ND)	Jdets/A
	Perylene	146						
119148-CRM1	1-Methylphenanthrene	137		75-125			61-75 (ND)	~~J/UJ/A~~ ~~dets~~/A
	Biphenyl	67						
	Dibenz[a,h]anthracene	0						

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

METHOD: GC/MS BNA (EPA SW 846 Method 8270E)

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method.

Percent recoveries (%R) and Relative percent differences (RPD) were within QC limits with the exceptions identified below.

LCS/LCSD	Analyte	LCS %R	LCSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
119148-CRM1	Naphthalene	67					61-75 (ND)	J/UJ/A

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Internal Standards

Reviewer: PG

METHOD: GC/MS BNA (EPA SW 846 Method 8270)
All internal standard area counts were within -50 to +100% of the associated calibration standard.
The retention times of the internal standards were within +/- 30 seconds of the retention times of the associated calibration standard.
All analytes met validation criteria with the exceptions identified below.

#	Sample ID	Internal Standard	%R	(Limits)	RT (Limits)	Qualifications
	1 (ND)	Benzo[a]pyrene-d12	23	50-200		J/UJ/P (See below)
	2	Benzo[a]pyrene-d12	27			J/UJ/P ↓
	3	Benzo[a]pyrene-d12	22			J/UJ/P ↓
	4	Benzo[a]pyrene-d12	18			J/UJ/P ↓
	5	Benzo[a]pyrene-d12	19			J/UJ/P ↓
	6 ↓	Benzo[a]pyrene-d12	17			J/UJ/P ↓
	7 (~~DET~~ ND)	Benzo[a]pyrene-d12	17			J/UJ/P (All)
		Anthracene-d10	47			↓
	↓					
	8 ↓	Anthracene-d10	34			J/UJ/P (All)
		Benzo[a]pyrene-d12	16			↓

Benzo[a]pyrene-d12= Chrysene,Benzo[b]fluoranthene,Benzo[k]fluoranthene,Benzo[e]pyrene,Benzo[a]pyrene,Perylene,Indeno[1,2,3-cd]pyrene,Dibenz[a,h]anthracene, Benzo[g,h,i]perylene

LDC #: 60849A PAH

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

All available information pertaining to the data were reviewed for data quality, uncertainty and bias using professional judment to compliment the overall assessment made below.

#	Sample ID	Analyte	Findings	Qualifications
	~~All~~ 1-8	Lab indicated that the raw data could not be regenerated and some of surrogates were		Text
		not be verified.		

Comments:

Method: SVOCs

Calibration Date	Analyte	Standard	(X) Concentration	(Y) Area
1/13/2025	Acenaphthene	1	0.0050	0.0072281
		2	0.0125	0.0176969
		3	0.0250	0.0370071
		4	0.0500	0.0738450
		5	0.1250	0.1880173
		6	0.2500	0.3815188
		7	0.5000	0.7828225

Linear through the origin

	calculated	***Reported***
Constant	*0.000000*	0.0000
X Coefficient(s)	*1.55437332*	1.538127
Correlation Coefficient	*0.999911*	
Coefficient of Determination (r^2)	*0.999821*	0.999466

Method: SVOCs

Calibration Date	Analyte	Standard	(X) Concentration	(Y) Area
1/13/2025	Perylene	1	0.0050	0.0113394
		2	0.0125	0.0221003
		3	0.0250	0.0427571
		4	0.0500	0.0835150
		5	0.1250	0.2522756
		6	0.2500	0.5442868
		7	0.5000	1.1262979

Linear through the origin

	calculated	***Reported***
Constant	*0.000000*	0.0000
X Coefficient(s)	*2.22167562*	2.152528
Correlation Coefficient	*0.999400*	
Coefficient of Determination (r^2)	*0.998800*	0.993482

DC #~~6084PA~~

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: 9

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = $(A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	~~PAH-250ng/ml~~ CCV		~~Phenol~~ (1st internal standard)	250	225.1976	225.1975	9.9	9.9
			~~Naphthalene~~ (2nd internal standard)	V	229.1566	229.155	8.3	8.3
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					
2			Phenol (1st internal standard)					
			Naphthalene (2nd internal standard)					
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					
3			Phenol (1st internal standard)					
			Naphthalene (2nd internal standard)					
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 60834A

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: A

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
~~Nitrobenzene-d5~~ d10-EE	1000	1104.5746	110	110	
2-Fluorobiphenyl d10-UU	✓	957.0882	96	96	
Terphenyl-d14 d12-DDD	2000	2123.7808	105	106	
Phenol-d5 d12-ZZZ	✓	1654.3452	85	83	
2-Fluorophenol d8-S	1000	827.4840	83	83	
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
~~1,2-Dichlorobenzene-d4~~					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

DC #: 60384A

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: 9

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentation

RPD = | MSC - MSC | * 2/(MSC + MSDC) MSC = Matrix spike concentration; MSDC = Matrix spike duplicate concentration

MS/MSD samples: 76/77

Compound	Spike Added (ug/g)		Sample Concentration (ug/g)	Spiked Sample Concentration (ug/g)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol											
N-Nitroso-di-n-propylamine											
4-Chloro-3-methylphenol											
Acenaphthene	500	500	1.02	382	405	76	76	81	81	6	6
Pentachlorophenol											
Pyrene	500	500	ND	509	510	102	102	102	102	0	0

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

DC #608192A

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: [illegible]

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA) Where: SSC = Spike concentration
SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: 119441-BS1/BS2

Compound	Spike Added (ug/g)		Spike Concentration (ug/g)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol										
N-Nitroso-di-n-propylamine										
4-Chloro-3-methylphenol										
Acenaphthene	500	500	352	396	70	70	79	79	12	12
Pentachlorophenol										
Pyrene	500	500	584	598	117	117	120	120	3	3

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 60784A

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: 9

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 2 , 4F :

Conc. = $\frac{(1372)(2000)(0.195)(\quad)(\quad)}{(592614)(1.5381)(DT)(\quad)}$

= 1.14 ng/g

#	Sample ID	Compound	Reported Concentration (ng/g)	Calculated Concentration (ng/g)	Qualification
	2	4F	1.14	1.14	
	3		2	2.0	
	4		1.1	1.1	
	5		1.2	1.2	
	6 7		3.46	3.46	
	8		22.5	22.5	

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: 2023 Regional Harbor Monitoring Program

LDC Report Date: May 11, 2025

Parameters: Chlorinated Pesticides

Validation Level: Level II & IV

Laboratory: Physis Environmental Laboratories, Inc., Anaheim, CA

Sample Delivery Group (SDG): 2307008-026

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date	Level
TS-DP-C1-HH	119153	Tissue	09/06/23	IV
TS-DP-C2-ER	119154	Tissue	09/06/23	IV
SSP-DP-ER	119155	Tissue	08/17/23	IV
WSP-DP-C1-HH	119156	Tissue	08/17/23	IV
WSP-DP-C2-ER	119157	Tissue	08/17/23	IV
CA-DP-HH	119158	Tissue	09/06/23	IV
BSB-DP-HH	119159	Tissue	09/06/23	IV
BSB-DP-ER	119160	Tissue	09/06/23	IV
SSB-OS-C1-HH	119161	Tissue	09/07/23	II
SSB-OS-C1-ER	119162	Tissue	09/07/23	II
SSB-OS-C2-HH	119163	Tissue	09/07/23	II
SSB-OS-C2-ER	119164	Tissue	09/07/23	II
TS-OS-C1-HH	119165	Tissue	09/07/23	II
TS-OS-C2-ER	119166	Tissue	09/07/23	II
SSP-OS-C1-HH	119167	Tissue	08/18/23	II
SSP-OS-C2-ER	119168	Tissue	08/18/23	II
WSP-OS-C1-HH	119169	Tissue	08/18/23	II
WSP-OS-C2-ER	119170	Tissue	08/18/23	II
WSB-OS-HH	119171	Tissue	09/07/23	II
KB-OS-HH	119172	Tissue	09/07/23	II
KB-OS-ER	119173	Tissue	09/07/23	II
SSB-MB-C1-HH	119174	Tissue	08/23/23	II
SSB-MB-C1-ER	119175	Tissue	08/23/23	II
SSB-MB-C2-HH	119176	Tissue	02/12/24	II
SSB-MB-C2-ER	119177	Tissue	02/12/24	II

SSB-MB-C3-HH	119178	Tissue	02/23/24	II
SSB-MB-C3-ER	119179	Tissue	02/23/24	II
SSP-MB-ER	119180	Tissue	08/23/23	II
WSP-MB-HH	119181	Tissue	08/23/23	II
WSP-MB-ER	119182	Tissue	08/23/23	II
CAH-MB-ER	119183	Tissue	08/23/23	II
BSB-MB-ER	119184	Tissue	08/23/23	II
KB-MB-ER	119185	Tissue	08/23/23	II
RR-MB-HH	119186	Tissue	08/23/23	II
TS-MB-C1-HH	119187	Tissue	02/12/24	II
TS-MB-C2-ER	119188	Tissue	02/12/24	II
TS-MB-C3-HH	119189	Tissue	02/23/24	II
TS-MB-C4-ER	119190	Tissue	02/23/24	II
PCM-NSDB-HH	119191	Tissue	09/15/23	II
PCM-NSDB-ER	119192	Tissue	09/15/23	II
SSB-NSDB-C1-HH	119193	Tissue	08/24/23	II
SSB-NSDB-C1-ER	119194	Tissue	08/24/23	II
SSB-NSDB-C2-HH	119195	Tissue	08/24/23	II
SSB-NSDB-C2-ER	119196	Tissue	08/24/23	II
SSB-NSDB-C3-HH	119197	Tissue	01/31/24	II
SSB-NSDB-C3-ER	119198	Tissue	01/31/24	II
JS-NSDB-C1-HH	119199	Tissue	09/15/23	II
JS-NSDB-C1-ER	119200	Tissue	09/15/23	II
JS-NSDB-C2-HH	119201	Tissue	01/31/24	II
TS-NSDB-C1-HH	119202	Tissue	09/15/23	II
TS-NSDB-C1-ER	119203	Tissue	09/15/23	II
TS-NSDB-C2-ER	119204	Tissue	09/15/23	II
CAH-NSDB-HH	119205	Tissue	08/24/23	II
QF-NSDB-ER	119206	Tissue	08/24/23	II
BSB-NSDB-ER	119207	Tissue	08/24/23	II
SSP-SSDB-C1-ER	119208	Tissue	08/25/23	II
SSP-SSDB-C2-ER	119209	Tissue	08/25/23	II
YFC-SSDB-ER	119210	Tissue	08/25/23	II
BC-SSDB-C1-HH	119211	Tissue	08/25/23	II
BC-SSDB-C1-ER	119212	Tissue	08/25/23	II
SSB-SSDB-C1-HH	119213	Tissue	08/24/23	II
SSB-SSDB-C1-ER	119214	Tissue	08/24/23	II
SSB-SSDB-C2-ER	119215	Tissue	08/24/23	II
SSB-SSDB-C3-HH	119216	Tissue	01/29/24	II
SSB-SSDB-C3-ER	119217	Tissue	01/29/24	II
BSB-SSDB-C1-ER	119218	Tissue	08/24/23	II
BSB-SSDB-C2-ER	119219	Tissue	08/25/23	II
PB-SSDB-HH	119220	Tissue	01/29/24	II
TS-SSDB-HH	119221	Tissue	01/29/24	II

TS-SSDB-ER	119222	Tissue	01/29/24	II
RR-SSDB-HH	119223	Tissue	08/24/23	II
SA-SSDB-C1-HH	119224	Tissue	08/25/23	II
SA-SSDB-C2-ER	119225	Tissue	08/25/23	II
SA-SSDB-C3-HH	119226	Tissue	08/25/23	II
SA-SSDB-C4-ER	119227	Tissue	08/25/23	II
SSB-OS-C1-HHMS	119161MS	Tissue	09/07/23	II
SSB-OS-C1-HHMSD	119161MSD	Tissue	09/07/23	II
SSB-OS-C1-HHDUP	119161DUP	Tissue	09/07/23	II
WSP-MB-HHMS	119181MS	Tissue	08/23/23	II
WSP-MB-HHMSD	119181MSD	Tissue	08/23/23	II
WSP-MB-HHDUP	119181DUP	Tissue	08/23/23	II
JS-NSDB-C1-HHMS	119199MS	Tissue	09/15/23	II
JS-NSDB-C1-HHMSD	119199MSD	Tissue	09/15/23	II
JS-NSDB-C1-HHDUP	119199DUP	Tissue	09/15/23	II
SSB-SSDB-C3-HHMS	119216MS	Tissue	01/29/24	II
SSB-SSDB-C3-HHMSD	119216MSD	Tissue	01/29/24	II
SSB-SSDB-C3-HHDUP	119216DUP	Tissue	01/29/24	II

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Final Quality Assurance Project Plan for 2023 Regional Harbor Monitoring Program (July 2023) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Chlorinated Pesticides by Environmental Protection Agency (EPA) SW 846 Method 8270E

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary reports. For samples that were subjected to Level IV data validation, QA/QC summary reports and raw data were evaluated to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The reported result was an estimated quantity value.

U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

NJ (Tentatively identified): The analyte has been "tentatively identified" or "presumptively identified" as present, and the associated numerical value was the estimated concentration in the sample.

R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met with the following exceptions:

Sample	Analyte	Total Days From Sample Collection Until Extraction	Required Holding Time (in Days) From Sample Collection Until Extraction	Flag	A or P
TS-DP-C1-HH TS-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER KB-OS-ER	All analytes	491	365	J (all detects) UJ (all non-detects)	P
SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER	All analytes	511	365	J (all detects) UJ (all non-detects)	P
SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER WSB-OS-HH KB-OS-HH	All analytes	490	365	J (all detects) UJ (all non-detects)	P
SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER	All analytes	510	365	J (all detects) UJ (all non-detects)	P
SSB-MB-C1-HH SSB-MB-C1-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER BSB-SSDB-C2-ER SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	All analytes	506	365	J (all detects) UJ (all non-detects)	P
PCM-NSDB-HH PCM-NSDB-ER	All analytes	483	365	J (all detects) UJ (all non-detects)	P

SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER BSB-SSDB-C2-ER SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	All analytes	508	365	J (all detects) UJ (all non-detects)	P
JS-NSDB-C1-HH JS-NSDB-C1-ER TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER	All analytes	486	365	J (all detects) UJ (all non-detects)	P
SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER	All analytes	507	365	J (all detects) UJ (all non-detects)	P
SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER BSB-SSDB-C1-ER RR-SSDB-HH	All analytes	509	365	J (all detects) UJ (all non-detects)	P

II. GC/MS Instrument Performance Check

A perfluorotributylamine (PFTBA) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r^2) was greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Flag	A or P
01/13/25	BHC-alpha	42	TS-DP-C1-HH	J (all detects)	A
	BHC-delta	31	TS-DP-C2-ER	UJ (all non-detects)	
	Dacthal	34	SSP-DP-ER		
	Chlordane-gamma	45	WSP-DP-C1-HH		
	2,4'-DDE	54	WSP-DP-C2-ER		
	Endosulfan-I	43	CA-DP-HH		
	Dieldrin	45	BSB-DP-HH		
	2,4'-DDD	47	BSB-DP-ER		
	Endrin	71			
	Perthane	65			
	Endosulfan-II	35			
	4,4'-DDD	58			
	cis-Nonachlor	49			
	Endrin aldehyde	75			
	Endosulfan sulfate	58			
	Endrin ketone	38			
	Mirex	49			

IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes with the following exceptions:

Date	Standard	Analyte	%D	Associated Samples	Flag	A or P
01/14/25	OCP250_PCB75_P1289	BHC-alpha	44	TS-DP-C2-ER	J (all detects)	A
		BHC-delta	58	SSP-DP-ER	UJ (all non-detects)	
		BHC-gamma	34	WSP-DP-C1-HH		
		Heptachlor	30	WSP-DP-C2-ER		
		Aldrin	22	CA-DP-HH		
		Chlordane-gamma	107	BSB-DP-HH		
		2,4'-DDE	123	BSB-DP-ER		
		Endosulfan-I	98			
		Dieldrin	88			
		2,4'-DDD	56			
		Endrin	81			
		Perthane	57			
		Endosulfan-II	27			
		4,4'-DDD	31			
		Endrin Aldehyde	40			
		4,4'-DDT	59			
		Methoxychlor	68			
		Mirex	33			

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

No field blanks were identified in this SDG.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (Limits)	Affected Analyte	Flag	A or P
JS-NSDB-C1-HH	PCB 112	137 (49-133)	All analytes	J (all detects)	A
SSB-SSDB-C3-ER	PCB 030	129 (52-124)	All analytes	J (all detects)	P
BSB-SSDB-C2-ER	PCB 030	128 (52-124)	All analytes	J (all detects)	P
SA-SSDB-C1-HH	PCB 030	126 (52-124)	All analytes	J (all detects)	P
BC-SSDB-C1-ER	PCB 112	134 (49-133)	All analytes	J (all detects)	P

VIII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Analyte	MS %R (50-150)	MSD %R (50-150)	Flag	A or P
SSB-OS-C1-HHMS/MSD (SSB-OS-C1-HH)	Endosulfan-II Endrin aldehyde	35 11	38 7	UJ (all non-detects) UJ (all non-detects)	A
WSP-MB-HHMS/MSD (WSP-MB-HH)	Endosulfan-I Endosulfan-II Endrin aldehyde	9 35 6	12 30 5	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
JS-NSDB-C1-HHMS/MSD (JS-NSDB-C1-HH)	Endrin aldehyde	5	4	UJ (all non-detects)	A
JS-NSDB-C1-HHMS/MSD (JS-NSDB-C1-HH)	Methoxychlor Perthane Endrin	210 187 166	169 174 167	NA	-
SSB-SSDB-C3-HHMS/MSD (SSB-SSDB-C3-HH)	Endosulfan-I Endrin aldehyde	28 18	23 15	UJ (all non-detects) UJ (all non-detects)	A

Relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Analyte	RPD (≤25)	Flag	A or P
SSB-OS-C1-HHMS/MSD (SSB-OS-C1-HH)	Endrin aldehyde	44	NA	-
WSP-MB-HHMS/MSD (WSP-MB-HH)	Endosulfan-I	29	NA	-
JS-NSDB-C1-HHMS/MSD (JS-NSDB-C1-HH)	Endosulfan-I	39	NA	-

Laboratory duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits with the following exceptions:

DUP ID (Associated Samples)	Analyte	RPD (≤25)	Flag	A or P
JS-NSDB-C1-HHDUP (JS-NSDB-C1-HH)	4,4'-DDT	35	J (all detects)	A
JS-NSDB-C1-HHDUP (JS-NSDB-C1-HH)	Chlordane-alpha	69	NQ	-
SSB-SSDB-C3-HHDUP (SSB-SSDB-C3-HH)	2,4'-DDD BHC-gamma	22 174	NQ	-

NQ = One or both results were < 5X the reporting limit, therefore no data were qualified.

IX. Laboratory Control Samples/Certified Reference Materials

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Analyte	LCS %R (70-130)	LCSD %R (70-130)	Flag	A or P
119141-BS1/-BS2 (TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER WSB-OS-HH KB-OS-HH)	Dicofol Endosulfan-I Endosulfan-II trans-Nonachlor Endrin aldehyde 4,4'-DDD Heptachlor	50 52 54 69 9 - -	64 41 50 - 14 67 65	J (all detects) UJ (all non-detects)	P
119142-BS1/-BS2 (KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER)	Dicofol Endosulfan-II Endrin aldehyde	68 29 12	- 32 11	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P
119142-BS1/-BS2 (KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER)	Endosulfan-I	3	9	R (all non-detects)	P

LCS ID (Associated Samples)	Analyte	LCS %R (70-130)	LCSD %R (70-130)	Flag	A or P
119143-BS1/-BS3 (CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER)	2,4'-DDD	132	135	J (all detects)	P
119143-BS1/-BS3 (PCM-NSDB-ER SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER SSP-SSDB-C2-ER)	2,4'-DDD	132	135	NA	-
119143-BS1/-BS3 (SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER)	Aldrin BHC-alpha BHC-gamma Endosulfan-II Oxychlordane	68 62 66 42 67	69 60 64 - -	J (all detects) UJ (all non-detects)	P

LCS ID (Associated Samples)	Analyte	LCS %R (70-130)	LCSD %R (70-130)	Flag	A or P
119143-BS1/-BS3 (SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER)	Endrin aldehyde	5	4	R (all non-detects)	P
119144-BS1/-BS2 (SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER)	2,4'-DDE 4,4'-DDMU BHC-beta Dicofol Endosulfan-I Endosulfan-II Endrin Heptachlor Mirex Endrin aldehyde Aldrin BHC-alpha Oxychlordane	62 69 69 65 26 48 62 58 69 7 - - -	60 - 64 67 31 57 59 - - 15 61 64 69	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P

Relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Analyte	RPD (≤30)	Flag	A or P
119141-BS1/-BS2 (TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER WSB-OS-HH KB-OS-HH)	Endrin aldehyde	43	NA	-
119143-BS1/-BS3 (SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER)	Endosulfan-II	50	NA	-
119144-BS1/-BS2 (SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER)	Endrin aldehyde	73	NA	-

Certified reference materials (CRM) were analyzed as required by the method. The results were within QC limits with the following exceptions:

CRM ID (Associated Samples)	Analyte	%R (75-125)	Flag	A or P
119145-CRM1 (TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER WSB-OS-HH KB-OS-HH)	trans-Nonachlor	73	J (all detects) UJ (all non-detects)	A
119146-CRM1 (KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER)	Chlordane-alpha	67	J (all detects) UJ (all non-detects)	A
119146-CRM1 (KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER)	Heptachlor	0	R (all non-detects)	P

CRM ID (Associated Samples)	Analyte	%R (75-125)	Flag	A or P
119147-CRM1 (SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER)	Chlordane-alpha Chlordane-gamma	60 71	J (all detects) UJ (all non-detects)	A
119147-CRM1 (SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER)	Heptachlor Mirex	0 0	R (all non-detects) R (all non-detects)	P
119148-CRM1 (PB-SSDB-HH TS-SSDB-HH)	4,4'-DDD	128	J (all detects)	A
119148-CRM1 (SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER)	4,4'-DDD	128	NA	-

CRM ID (Associated Samples)	Analyte	%R (75-125)	Flag	A or P
119148-CRM1 (SSB-SSDB-C1-HH SSB-SSDB-C1-ER SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER)	4,4'-DDE	146	J (all detects)	A
119148-CRM1 (SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH)	4,4'-DDE	146	NA	-
119148-CRM1 (PB-SSDB-HH TS-SSDB-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER)	Chlordane-alpha	137	J (all detects)	A
119148-CRM1 (SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH)	Chlordane-alpha	137	NA	-
119148-CRM1 (SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER)	cis-Nonachlor	68	J (all detects) UJ (all non-detects)	A

CRM ID (Associated Samples)	Analyte	%R (75-125)	Flag	A or P
119148-CRM1 (SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER)	Heptachlor	0	R (all non-detects)	A

X. Field Duplicates

No field duplicates were identified in this SDG.

XI. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	%R (50-200)	Affected Analyte	Flag	A or P
CA-DP-HH	2,2',5,5'-Tetrabromobiphenyl	45	Endosulfan I Dieldrin Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate Endrin ketone Endrin aldehyde Chlordane-gamma 2,4'-DDD 2,4'-DDE 2,4'-DDT cis-Nonachlor Mirex Perthane	J (all detects) UJ (all non-detects)	P

Sample	Internal Standards	%R (50-200)	Affected Analyte	Flag	A or P
BSB-DP-HH	2,2',5,5'-Tetrabromobiphenyl	34	Endosulfan I Dieldrin Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate Endrin ketone Endrin aldehyde Chlordane-gamma 2,4'-DDD 2,4'-DDE 2,4'-DDT cis-Nonachlor Mirex Perthane	J (all detects) UJ (all non-detects)	P
BSB-DP-ER	4,4'-Dibromobiphenyl 2,2',5,5'-Tetrabromobiphenyl	36 27	All analytes	J (all detects) UJ (all non-detects)	P

XII. Target Analyte Quantitation

All target analyte quantitations met validation criteria for samples which underwent Level IV validation. Raw data were not reviewed for Level II validation.

XIII. Target Analyte Identification

All target analyte identifications met validation criteria for samples which underwent Level IV validation. Raw data were not reviewed for Level II validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method.

The laboratory indicated that the raw data could not be regenerated for several samples and some of the surrogates were not verified.

Data rejected for exclusion due to LCS/LCSD %R, and CRM %R are summarized and presented in the Data Qualification Summary.

Data qualified due to technical holding time, continuing calibration %D, ICV %D, surrogate %R, MS/MSD %R, DUP RPD, LCS/LCSD %R, CRM %R, and internal standards %R are summarized and presented in the Data Qualification Summary.

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Chlorinated Pesticides - Data Qualification Summary - SDG 2307008-026

Sample	Analyte	Flag	A or P	Reason
TS-DP-C1-HH TS-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER KB-OS-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER WSB-OS-HH KB-OS-HH SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER SSB-MB-C1-HH SSB-MB-C1-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER BSB-SSDB-C2-ER SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER PCM-NSDB-HH PCM-NSDB-ER SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER BSB-SSDB-C2-ER SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER JS-NSDB-C1-HH JS-NSDB-C1-ER TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER BSB-SSDB-C1-ER RR-SSDB-HH	All analytes	J (all detects) UJ (all non-detects)	P	Technical holding times

Sample	Analyte	Flag	A or P	Reason
TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER	BHC-alpha BHC-delta Dacthal Chlordane-gamma 2,4'-DDE Endosulfan-I Dieldrin 2,4'-DDD Endrin Perthane Endosulfan-II 4,4'-DDD cis-Nonachlor Endrin aldehyde Endosulfan sulfate Endrin ketone Mirex	J (all detects) UJ (all non-detects)	A	Initial calibration verification (%D)
TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER	BHC-alpha BHC-delta BHC-gamma Heptachlor Aldrin Chlordane-gamma 2,4'-DDE Endosulfan-I Dieldrin 2,4'-DDD Endrin Perthane Endosulfan-II 4,4'-DDD Endrin aldehyde 4,4'-DDT Methoxychlor Mirex	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
JS-NSDB-C1-HH	All analytes	J (all detects)	A	Surrogates (%R)
SSB-SSDB-C3-ER BSB-SSDB-C2-ER SA-SSDB-C1-HH BC-SSDB-C1-ER	All analytes	J (all detects)	P	Surrogates (%R)
SSB-OS-C1-HH SSB-SSDB-C3-HH	Endosulfan-II Endrin aldehyde	UJ (all non-detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
WSP-MB-HH	Endosulfan-I Endosulfan-II Endrin aldehyde	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
JS-NSDB-C1-HH	Endrin aldehyde	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
JS-NSDB-C1-HH	4,4'-DDT	J (all detects)	A	Laboratory duplicates (RPD)

Sample	Analyte	Flag	A or P	Reason
TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER WSB-OS-HH KB-OS-HH	Dicofol Endosulfan-I Endosulfan-II trans-Nonachlor Endrin aldehyde 4,4'-DDD Heptachlor	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER	Dicofol Endosulfan-II Endrin aldehyde	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Laboratory control samples (%R)
KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER	Endosulfan-I	R (all non-detects)	P	Laboratory control samples (%R)

Sample	Analyte	Flag	A or P	Reason
CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER	2,4'-DDD	J (all detects)	P	Laboratory control samples (%R)
SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER	Endrin aldehyde	R (all non-detects)	P	Laboratory control samples (%R)
SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	2,4'-DDE 4,4'-DDMU BHC-beta Dicofol Endosulfan-I Endosulfan-II Endrin Heptachlor Mirex Endrin aldehyde Aldrin BHC-alpha Oxychlordane	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Laboratory control samples (%R)
TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER WSB-OS-HH KB-OS-HH	trans-Nonachlor	J (all detects) UJ (all non-detects)	A	Certified reference material (%R)

Sample	Analyte	Flag	A or P	Reason
KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER	Chlordane-alpha	J (all detects) UJ (all non-detects)	A	Certified reference material (%R)
SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	Heptachlor	R (all non-detects)	P	Certified reference material (%R)
SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER	Chlordane-alpha Chlordane-gamma	J (all detects) UJ (all non-detects)	A	Certified reference material (%R)

Sample	Analyte	Flag	A or P	Reason
SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER	Heptachlor Mirex	R (all non-detects) R (all non-detects)	P	Certified reference material (%R)
PB-SSDB-HH TS-SSDB-HH	4,4'-DDD	J (all detects)	A	Certified reference material (%R)
SSB-SSDB-C1-HH SSB-SSDB-C1-ER SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	4,4'-DDE	J (all detects)	A	Certified reference material (%R)
PB-SSDB-HH TS-SSDB-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	Chlordane-alpha	J (all detects)	A	Certified reference material (%R)
SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	cis-Nonachlor	J (all detects) UJ (all non-detects)	A	Certified reference material (%R)

Sample	Analyte	Flag	A or P	Reason
CA-DP-HH BSB-DP-HH	Endosulfan I Dieldrin Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate Endrin ketone Endrin aldehyde Chlordane-gamma 2,4'-DDD 2,4'-DDE 2,4'-DDT cis-Nonachlor Mirex Perthane	J (all detects) UJ (all non-detects)	P	Internal standards (%R)
BSB-DP-ER	All analytes	J (all detects) UJ (all non-detects)	P	Internal standards (%R)

2023 Regional Harbor Monitoring Program
Chlorinated Pesticides - Laboratory Blank Data Qualification Summary - SDG 2307008-026

No Sample Data Qualified in this SDG

2023 Regional Harbor Monitoring Program
Chlorinated Pesticides - Field Blank Data Qualification Summary - SDG 2307008-026

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60849A
SDG #: 2307008-026
Laboratory: Physis Environmental Laboratories, Anaheim, CA

Date: 4/10/2025
Page:
Reviewer:
2nd Reviewer:

Method: Pesticides (EPA 8270E)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample Receipt/Technical Holding Time	A/SW	
II	GC/MS Instrument Performance Check	A	
III	Initial Calibration/ ICV	A/SW	r ≥ 0.99 ≤ 30%
IV	Continuing Calibration	SW	≤ 20%
V	Laboratory Blanks	A	
VI	Field Blank	N	
VII	Surrogate Spikes	SW	
VIII	Matrix Spike/Matrix Spike Duplicate /DUP	SW/SW	
IX	Laboratory Control Sample /CRM	SW/SW	LCS/D
X	Field Duplicate	N	
XI	Internal standards	SW	
XII	Target Analyte Quantitation	A	
XIII	Target Analyte Identification	A	
XIV	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = Not detected; NQ = Not qualified; FD = Field duplicate; FT = Field triplicate; TB = Trip blank; FB = Field blank; AB= Ambient blank; SB = Source blank; EB = Equipment blank; R = Rinsate

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	TS-DP-C1-HH	119153		Tissue	09/06/2023	Level IV
2	TS-DP-C2-ER	119154		Tissue	09/06/2023	Level IV
3	SSP-DP-ER	119155		Tissue	08/17/2023	Level IV
4	WSP-DP-C1-HH	119156		Tissue	08/17/2023	Level IV
5	WSP-DP-C2-ER	119157		Tissue	08/17/2023	Level IV
6	CA-DP-HH	119158		Tissue	09/06/2023	Level IV
7	BSB-DP-HH	119159		Tissue	09/06/2023	Level IV
8	BSB-DP-ER	119160		Tissue	09/06/2023	Level IV
9	SSB-OS-C1-HH	119161		Tissue	09/07/2023	Level II
10	SSB-OS-C1-ER	119162		Tissue	09/07/2023	Level II
11	SSB-OS-C2-HH	119163		Tissue	09/07/2023	Level II
12	SSB-OS-C2-ER	119164		Tissue	09/07/2023	Level II
13	TS-OS-C1-HH	119165		Tissue	09/07/2023	Level II
14	TS-OS-C2-ER	119166		Tissue	09/07/2023	Level II
15	SSP-OS-C1-HH	119167		Tissue	08/18/2023	Level II
16	SSP-OS-C2-ER	119168		Tissue	08/18/2023	Level II
17	WSP-OS-C1-HH	119169		Tissue	08/18/2023	Level II
18	WSP-OS-C2-ER	119170		Tissue	08/18/2023	Level II
19	WSB-OS-HH	119171		Tissue	09/07/2023	Level II
20	KB-OS-HH	119172		Tissue	09/07/2023	Level II
21	KB-OS-ER	119173		Tissue	09/07/2023	Level II

VALIDATION COMPLETENESS WORKSHEET

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SDG#: 2307008-026

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22	SSB-MB-C1-HH	119174		Tissue	08/23/2023	Level II
23	SSB-MB-C1-ER	119175		Tissue	08/23/2023	Level II
24	SSB-MB-C2-HH	119176		Tissue	02/12/2024	Level II
25	SSB-MB-C2-ER	119177		Tissue	02/12/2024	Level II
26	SSB-MB-C3-HH	119178		Tissue	02/23/2024	Level II
27	SSB-MB-C3-ER	119179		Tissue	02/23/2024	Level II
28	SSP-MB-ER	119180		Tissue	08/23/2023	Level II
29	WSP-MB-HH	119181		Tissue	08/23/2023	Level II
30	WSP-MB-ER	119182		Tissue	08/23/2023	Level II
31	CAH-MB-ER	119183		Tissue	08/23/2023	Level II
32	BSB-MB-ER	119184		Tissue	08/23/2023	Level II
33	KB-MB-ER	119185		Tissue	08/23/2023	Level II
34	RR-MB-HH	119186		Tissue	08/23/2023	Level II
35	TS-MB-C1-HH	119187		Tissue	02/12/2024	Level II
36	TS-MB-C2-ER	119188		Tissue	02/12/2024	Level II
37	TS-MB-C3-HH	119189		Tissue	02/23/2024	Level II
38	TS-MB-C4-ER	119190		Tissue	02/23/2024	Level II
39	PCM-NSDB-HH	119191		Tissue	09/15/2023	Level II
40	PCM-NSDB-ER	119192		Tissue	09/15/2023	Level II
41	SSB-NSDB-C1-HH	119193		Tissue	08/24/2023	Level II
42	SSB-NSDB-C1-ER	119194		Tissue	08/24/2023	Level II
43	SSB-NSDB-C2-HH	119195		Tissue	08/24/2023	Level II
44	SSB-NSDB-C2-ER	119196		Tissue	08/24/2023	Level II
45	SSB-NSDB-C3-HH	119197		Tissue	01/31/2024	Level II
46	SSB-NSDB-C3-ER	119198		Tissue	01/31/2024	Level II
47	JS-NSDB-C1-HH	119199		Tissue	09/15/2023	Level II
48	JS-NSDB-C1-ER	119200		Tissue	09/15/2023	Level II
49	JS-NSDB-C2-HH	119201		Tissue	01/31/2024	Level II
50	TS-NSDB-C1-HH	119202		Tissue	09/15/2023	Level II
51	TS-NSDB-C1-ER	119203		Tissue	09/15/2023	Level II
52	TS-NSDB-C2-ER	119204		Tissue	09/15/2023	Level II
53	CAH-NSDB-HH	119205		Tissue	08/24/2023	Level II
54	QF-NSDB-ER	119206		Tissue	08/24/2023	Level II
55	BSB-NSDB-ER	119207		Tissue	08/24/2023	Level II
56	SSP-SSDB-C1-ER	119208		Tissue	08/25/2023	Level II
57	SSP-SSDB-C2-ER	119209		Tissue	08/25/2023	Level II
58	YFC-SSDB-ER	119210		Tissue	08/25/2023	Level II
59	BC-SSDB-C1-HH	119211		Tissue	08/25/2023	Level II
60	BC-SSDB-C1-ER	119212		Tissue	08/25/2023	Level II
61	SSB-SSDB-C1-HH	119213		Tissue	08/24/2023	Level II
62	SSB-SSDB-C1-ER	119214		Tissue	08/24/2023	Level II
63	SSB-SSDB-C2-ER	119215		Tissue	08/24/2023	Level II
64	SSB-SSDB-C3-HH	119216		Tissue	01/29/2024	Level II
65	SSB-SSDB-C3-ER	119217		Tissue	01/29/2024	Level II
66	BSB-SSDB-C1-ER	119218		Tissue	08/24/2023	Level II
67	BSB-SSDB-C2-ER	119219		Tissue	08/25/2023	Level II
68	PB-SSDB-HH	119220		Tissue	01/29/2024	Level II
69	TS-SSDB-HH	119221		Tissue	01/29/2024	Level II
70	TS-SSDB-ER	119222		Tissue	01/29/2024	Level II
71	RR-SSDB-HH	119223		Tissue	08/24/2023	Level II
72	SA-SSDB-C1-HH	119224		Tissue	08/25/2023	Level II
73	SA-SSDB-C2-ER	119225		Tissue	08/25/2023	Level II
74	SA-SSDB-C3-HH	119226		Tissue	08/25/2023	Level II

VALIDATION COMPLETENESS WORKSHEET

75	SA-SSDB-C4-ER	119227		Tissue	08/25/2023	Level II
76	SSB-OS-C1-HHMS	119161MS	MS	Tissue	09/07/2023	Level II
77	SSB-OS-C1-HHMSD	119161MSD	MSD	Tissue	09/07/2023	Level II
78	SSB-OS-C1-HHDUP	119161DUP	DUP	Tissue	09/07/2023	Level II
79	WSP-MB-HHMS	119181MS	MS	Tissue	08/23/2023	Level II
80	WSP-MB-HHMSD	119181MSD	MSD	Tissue	08/23/2023	Level II
81	WSP-MB-HHDUP	119181DUP	DUP	Tissue	08/23/2023	Level II
82	JS-NSDB-C1-HHMS	119199MS	MS	Tissue	09/15/2023	Level II
83	JS-NSDB-C1-HHMSD	119199MSD	MSD	Tissue	09/15/2023	Level II
84	JS-NSDB-C1-HHDUP	119199DUP	DUP	Tissue	09/15/2023	Level II
85	SSB-SSDB-C3-HHMS	119216MS	MS	Tissue	01/29/2024	Level II
86	SSB-SSDB-C3-HHMSD	119216MSD	MSD	Tissue	01/29/2024	Level II
87	SSB-SSDB-C3-HHDUP	119216DUP	DUP	Tissue	01/29/2024	Level II

Notes:

0-49056 1-20	0-49062 61-75	
0-49058 21-40		
0-49060 41-60		

LDC #: 60849A

VALIDATION FINDINGS CHECKLIST

Reviewer: 9

Method: Semivolatiles (EPA SW 846 Method 8270)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?			✓	
Were all samples analyzed within the 12 hour clock criteria?	✓		✓	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?			✓	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?		✓		
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?		✓		
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	✓			

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?		✓		
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs ~~(EPASW-846 Method 8081/8082)~~

A. alpha-BHC	K. Endrin	U. Toxaphene	EE. 2,4'-DDT	OO. trans–Heptachlor epoxide
B. beta-BHC	L. Endosulfan II	V. Aroclor-1016	FF. Hexachlorobenzene	PP. Mirex
C. delta-BHC	M. 4,4'-DDD	W. Aroclor-1221	GG. Chlordane	QQ. cis-Chlordane
D. gamma-BHC	N. Endosulfan sulfate	X. Aroclor-1232	HH. Chlordane (Technical)	RR. trans-Chlordane
E. Heptachlor	O. 4,4'-DDT	Y. Aroclor-1242	II. Aroclor 1262	SS. Hexachlorobutadiene
F. Aldrin	P. Methoxychlor	Z. Aroclor-1248	JJ. Aroclor 1268	TT. Kepone
G. Heptachlor epoxide	Q. Endrin ketone	AA. Aroclor-1254	KK. Oxychlordane	UU. Chlorpyrifos
H. Endosulfan I	R. Endrin aldehyde	BB. Aroclor-1260	LL. trans-Nonachlor	VV. Perthane
I. Dieldrin	S. alpha-Chlordane	CC. 2,4'-DDD	MM. cis-Nonachlor	WW.
J. 4,4'-DDE	T. gamma-Chlordane	DD. 2,4'-DDE	NN. cis–Heptachlor epoxide	XX.

Notes: _____

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Technical Holding Times

Reviewer: PG

Samples identified below have exceeded the cooler temperature validation criteria of 0-6 deg C or the technical holding time criteria.

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Sample ID	Matrix	Preserved	Samplind date	Extraction date	Analysis date	Total # of days (HT = 1 yr)	Qualifier
1-2,6-8	Tissue		9-6-23	1-9-25		491	J/UJ/P
3-5			8-17-23	1-9-25		511	
9-14, 19-20			9-7-23	1-9-25		490	
15-18			8-18-23	1-9-25		510	
21			9-7-23	1-10-25		491	
22-22, 28-34			8-23/23	1-10-25		506	
39-40			9-15-23	1-10-25		483	
41-44, 53-55			8-24-23	1-13-25		508	
47-48, 50-52			9-15-23	1-13-25		486	
56-60			8-25/23	1-13-25		507	
61-63, 66, 71			8-24-23	1-14-25		509	
67, 72-75			8-25-23	1-14-25		508	
+MS/MSD/DUP							

TECHNICAL HOLDING TIME CRITERIA:

EXTRACTABLES: Water: Extracted within 7 days, analyzed within 40 days
Soils: Extracted within 14 days, analyzed within 40 days

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Reviewer: PG

METHOD: GC/MS BNA (EPA SW 846 Method 8270)
A second source verification standard was analyzed after each ICAL for each instrument.
All analytes met the second source verification standards validation criteria with the exceptions identified below.

#	Date	Standard ID	Analyte	%D (Limit ≤30%)	Associated samples	Qualifications
	1/13/2025	ICV	BHC-alpha	42	1-8 (dets+ND)	J/UJ/A
			BHC-delta	31		
			Dacthal	34		
			Chlordane-gamma	45		
			2,4'-DDE	54		
			Endosulfan-I	43		
			Dieldrin	45		
			2,4'-DDD	47		
			Endrin	71		
			Perthane	65		
			Endosulfan-II	35		
			4,4'-DDD	58		
			cis-Nonachlor	49		
			Endrin aldehyde	75		
			Endosulfan sulfate	58		
			Endrin ketone	38		
			Mirex	49		

	DOD	NFG
%D	20%	30%

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: PG

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Continuing calibration standards were analyzed at the required frequencies.

The retention times for all calibrated compounds were within their respective acceptance windows.

All analytes met the continuing calibration standards validation criteria with the exceptions identified below.

#	Date	Standard ID	Compound	%D (Limit ≤_____%)	RRF (Limits)	Associated samples	Qualifications
	1/14/2025	OCP250_PCB75_P1289	BHC-alpha	44		2-8 (dets+ND)	J/UJ/A
			BHC-delta	58			
			BHC-gamma	34			
			Heptachlor	30			
			Aldrin	22			
			Chlordane-gamma	107			
			2,4'-DDE	123			
			Endosulfan-I	98			
			Dieldrin	88			
			2,4'-DDD	56			
			Endrin	81			
			Perthane	57			
			Endosulfan-II	27			
			4,4'-DDD	31			
			Endrin Aldehyde	40			
			4,4'-DDT	59			
			Methoxychlor	68			
			Mirex	33			

	DOD	NFG	
%D	20%/50%	Method criteria	RRF: 0.05

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Surrogate Recovery

Reviewer: PG

METHOD: GC/MS BNA (EPA SW 846 Method 8270)
Surrogates were added to all samples as required by the method.
All surrogate recoveries (%R) were within QC limits with the exceptions identified below.

#	Sample ID	Surrogate Compound	%R	Limits	Qualifications
	47 (dets+ND)	PCB 112	137	49-133	Jdets/A
	65 (dets+ND)	PCB 030	129	52-124	Jdets/P
	67 (dets+ND)	PCB 030	128	52-124	Jdets/P
	72 (dets+ND)	PCB 030	126	52-124	Jdets/P
	60 (dets+ND)	PCB 112	134	49-133	Jdets/P

(NBZ) = Nitrobenzene-d5
(FBP) = 2-Fluorobiphenyl
(TPH) = Terphenyl-d14
(PHL) = Phenol-d5
(2FP)= 2-Fluorophenol
(TBP) = 2,4,6-Tribromophenol
(2MN) = 2-Methylnaphthalene-d10
(FLN) = Fluoranthene-d10
(MNP) = 1-Methylnaphthalene-d10
(2CP) = 2-Chlorophenol-d4
(DCB) = 1,2-Dichlorobenzene-d4

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: PG

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample.

Percent recoveries (%R) and %RPD were within QC limits with the exceptions identified below.

MS/MSD ID	Analyte	MS %R	MSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
76/77	Endosulfan-II	35	38	50-150			9 (ND)	J/UJ/A
	Endrin Aldehyde	11	7					↓
	Endrin Aldehyde				44	25		Jdets/A
79/80	Endosulfan-I	9	12	50-150			29 (ND)	J/UJ/A
	Endosulfan-II	35	30					↓
	Endrin Aldehyde	6	5					↓
	Endosulfan-I				29	25		Jdets/A
82/83	Endrin Aldehyde	5	4	50-150			47 (ND)	J/UJ/A
	Methoxychlor	210	169					Jdets/A
	Perthane	187	174					↓
	Endrin	166	167					↓
	Endosulfan-I				39	25		Jdets/A
84	4,4'-DDT				35	25	47 (dets)	Jdets/A
	Chlordane-alpha				69			NQ < 5XRL
85/86	Endosulfan-I	28	23	50-150			64 (ND)	J/UJ/A
	Endrin Aldehyde	18	15					↓
87	2,4'-DDD				22	25	64	NQ < 5XRL
	BHC-gamma				174			↓

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: PG

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method.
Percent recoveries (%R) and Relative percent differences (RPD) were within QC limits with the exceptions identified below.

LCS/LCSD	Analyte	LCS %R	LCSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
119141-BS1/-BS2	Dicofol	50	64	70-130			1-20 (dets+ND)	J/UJ/P
	Endosulfan-I	52	41	70-130				
	Endosulfan-II	54	50	70-130				
	trans-Nonachlor	69		70-130				
	Endrin Aldehyde	9	14	70-130				
	4,4'-DDD		67	70-130				
	Heptachlor		65	70-130				
	Endrin Aldehyde				43	30	(ND)	Jdets/P
119142-BS1/-BS2	Dicofol	68		70-130			21-40 (ND)	J/UJ/P
	Endosulfan-II	29	32	70-130				
	Endrin Aldehyde	12	11	70-130				
	Endosulfan-I	3	9	70-130				J/R/P
119143-BS1/-BS3	2,4'-DDD	132	135	70-130			41-60 (dets=53-56,58-60)	Jdets/P
	Aldrin	68	69	70-130			(dets+NS)	J/UJ/P
	BHC-alpha	62	60	70-130				
	BHC-gamma	66	64	70-130				
	Endosulfan-II	42		70-130				
	Oxychlordane	67		70-130				
	Endrin Aldehyde	5	4	70-130			(ND)	J/R/P
	Endosulfan-II				50	30	(ND)	Jdets/P

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: PG

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method.
Percent recoveries (%R) and Relative percent differences (RPD) were within QC limits with the exceptions identified below.

LCS/LCSD	Analyte	LCS %R	LCSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
119144-BS1/-BS2	2,4'-DDE	62	60	70-130			61-75 (ND)	J/UJ/P
	4,4'-DDMU	69		70-130				
	BHC-beta	69	64	70-130				
	Dicofol	65	67	70-130				
	Endosulfan-I	26	31	70-130				
	Endosulfan-II	48	57	70-130				
	Endrin	62	59	70-130				
	Heptachlor	58		70-130				
	Mirex	69		70-130				
	Endrin Aldehyde	7	15	70-130				J/UJ/P
	Aldrin		61	70-130				J/UJ/P
	BHC-alpha		64	70-130				
	Oxychlordane		69	70-130				
	Endrin Aldehyde				73	30	(ND)	Jdets/P
119145-CRM1	trans-Nonachlor	73		75-125			1-20 (dets+ND)	J/UJ/A
119146-CRM1	Chlordane-alpha	67		75-125			21-40 (dets+ND)	J/UJ/A
	Heptachlor	0		75-125				J/R/A
119147-CRM1	Chlordane-alpha	60					41-60 (dets+ND)	J/UJ/A
	Chlordane-gamma	71						
	Heptachlor	0						J/R/A
	Mirex	0						
119148-CRM1	4,4'-DDD	128		75-125			61-75 (dets=68-69)	Jdets/A
	4,4'-DDE	146		75-125			(dets=61-82,72-75)	
	Chlordane-alpha	137		75-125			(dets=68-69,73.75))	
	cis-Nonachlor	68		75-125			(dets+ND)	J/UJ/A
	Heptachlor	0		75-125			(ND)	J/R/A

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Internal Standards

Reviewer: PG

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

All internal standard area counts were within -50 to +100% of the associated calibration standard.

The retention times of the internal standards were within +/- 30 seconds of the retention times of the associated calibration standard.

All analytes met validation criteria with the exceptions identified below.

#	Sample ID	Internal Standard	%R	(Limits)	RT (Limits)	Qualifications
	6	2,2',5,5'-Tetrabromobiphenyl	45	50-200		J/UJ/P
	7	2,2',5,5'-Tetrabromobiphenyl	34			J/UJ/P
	8	4,4'-Dibromobiphenyl	36			J/UJ/P (all)
		2,2',5,5'-Tetrabromobiphenyl	27			
	(dob+N8)					
	2,2',5,5'-Tetrabromobiphenyl	Endosulfan I, Dieldrin, Endrin, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, Chlordane-gamma, 2,4'-DDD, 2,4'-DDE, 2,4'-DDT, cis-Nonachlor, Mirex, Perthane				

LDC #: 60849A Pest

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Page: 1 of 1
Reviewer: V

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

All available information pertaining to the data were reviewed for data quality, uncertainty and bias using professional judment to compliment the overall assessment made below.

#	Sample ID	Analyte	Findings	Qualifications
	1-8 ~~AR~~	Lab indicated that the raw data could not be regenerated and some of surrogates were		Text
		not be verified.		

Comments:

Method:Pesticides

Calibration Date	Analyte	Standard	(X) Concentration	(Y) Area
1/13/2025	4,4'-DDE	1	0.0100	0.0058747
		2	0.0250	0.0162712
		3	0.0500	0.0335181
		4	0.1000	0.0762035
		5	0.2500	0.2068388
		6	0.5000	0.4296134
		7	1.0000	0.8946621

Linear through the origin

	calculated	***Reported***
Constant	*0.000000*	0.0000
X Coefficient(s)	*0.88324523*	0.859423
Correlation Coefficient	*0.999627*	
Coefficient of Determination (r^2)	*0.999254*	0.995262

Method:Pesticides

Calibration Date	Analyte	Standard	(X) Concentration	(Y) Area
1/13/2025	Dieldrin	1	0.0100	0.0117214
		2	0.0250	0.0046183
		3	0.0500	0.0090647
		4	0.1000	0.0193900
		5	0.2500	0.0522603
		6	0.5000	0.1057443
		7	1.0000	0.2210060

Linear through the origin

	calculated	***Reported***
Constant	*0.000000*	0.0000
X Coefficient(s)	*0.21842247*	0.213877
Correlation Coefficient	*0.999011*	
Coefficient of Determination (r^2)	*0.998022*	0.997595

Method:Pesticides

Calibration Date	Analyte	Standard	(X) Concentration	(Y) Area
1/15/2025	Toxaphene (Mass 343)	1	6.2500	0.0246588
		2	12.5000	0.0520494
		3	18.7500	0.0748855
		4	25.0000	0.0976789

Linear through the origin

	calculated	***Reported***
Constant	*0.000000*	0.0000
X Coefficient(s)	*0.00396869*	0.003958
Correlation Coefficient	*0.999768*	
Coefficient of Determination (r^2)	*0.999536*	0.996171

LDC #: ~~60854A~~

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: 9

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV	1/15/25	TOXAPHENE ~~Phenol~~ (1st internal standard)	2500	2042.102	2042.102	18.3	18.3
			Naphthalene (2nd internal standard)					
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					
2	CCV	1/17/25	J ~~Phenol~~ (1st internal standard)	2500	197	197.1	61.0	~~21.7~~ 60.1
			L ~~Naphthalene~~ (2nd internal standard)	↓	194	194.1	~~20.4~~ 61	~~22.4~~ 61
			I ~~Fluorene~~ (3rd internal standard)	500	471	470.5	6	5.9
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					
3			Phenol (1st internal standard)					
			Naphthalene (2nd internal standard)					
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: ~~60849A~~

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: 9

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270~~D~~E)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5 ~~PCB030~~	500.0	518.7931	104	104	
2-Fluorobiphenyl ↓ 112		777.2242	94		
Terphenyl-d14 ↓ 198		227.6056	82		
Phenol-d5 TCMX		544.918	86		
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID: 2

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
~~Nitrobenzene-d5~~ ~~PCB030~~	400	432.3052	108	108	
2-Fluorobiphenyl ↓ 112	↓	350.8578	88	88	
Terphenyl-d14 ↓ 198		219.3026	80	55	
Phenol-d5 TCMX		486303	72	122	
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: 9

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentation

RPD = I MSC - MSC I * 2/(MSC + MSDC)

MSC = Matrix spike concentration

MSDC = Matrix spike duplicate concentration

MS/MSD samples: 76/77

Compound	Spike Added (ug/g)		Sample Concentration (ug/g)	Spiked Sample Concentration (ug/g)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
~~Phenol~~											
N-Nitroso-di-n-propylamine											
4-Chloro-3-methylphenol											
Acenaphthene											
Pentachlorophenol											
~~Pyrene~~											
J	500	500	8.11	502	449	99	99	88	88	12	12
LL	↓	↓	0.23J	406	357	81	81	FB	FB	10	10

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: ~~60879A~~

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1
Reviewer: 9

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA) Where: SSC = Spike concentration
SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: 119141-BS1/-BS2

Compound	Spike Added (~~NB/WB~~ WG)		Spike Concentration ( )		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
~~Phenol~~										
N-Nitroso-di-n-propylamine										
4-Chloro-3-methylphenol										
Acenaphthene										
Pentachlorophenol										
~~Pyrene~~										
J	500	500	422	499	84	84	100	100	17	17
LL	↓	↓	344	475	69	69	85	85	21	21

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 60348A

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: 9

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D(SE))

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 1, 4,4'-DDE

Conc. = $\frac{(25526)(1000.0)(0.194)(\quad)(\quad)}{(68628)(0.859453)(\quad)}$

= 8.46 ng/g

#	Sample ID	Compound	Reported Concentration (ng/g)	Calculated Concentration (ng/g)	Qualification
	1	4,4'-DDE	8.46	8.46	
	2	"	11.6	11.6	
	3	"	12.8	12.8	
	4	"	8.07	8.07	
	5	"	8.31	8.31	
	6	"	2.22	2.22	
	7	"	6.03	6.03	
	8	"	22.1	22.1	

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: 2023 Regional Harbor Monitoring Program

LDC Report Date: May 12, 2025

Parameters: Polychlorinated Biphenyls as Congeners

Validation Level: Level II & IV

Laboratory: Physis Environmental Laboratories, Inc., Anaheim, CA

Sample Delivery Group (SDG): 2307008-026

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date	Level
TS-DP-C1-HH	119153	Tissue	09/06/23	IV
TS-DP-C2-ER	119154	Tissue	09/06/23	IV
SSP-DP-ER	119155	Tissue	08/17/23	IV
WSP-DP-C1-HH	119156	Tissue	08/17/23	IV
WSP-DP-C2-ER	119157	Tissue	08/17/23	IV
CA-DP-HH	119158	Tissue	09/06/23	IV
BSB-DP-HH	119159	Tissue	09/06/23	IV
BSB-DP-ER	119160	Tissue	09/06/23	IV
SSB-OS-C1-HH	119161	Tissue	09/07/23	II
SSB-OS-C1-ER	119162	Tissue	09/07/23	II
SSB-OS-C2-HH	119163	Tissue	09/07/23	II
SSB-OS-C2-ER	119164	Tissue	09/07/23	II
TS-OS-C1-HH	119165	Tissue	09/07/23	II
TS-OS-C2-ER	119166	Tissue	09/07/23	II
SSP-OS-C1-HH	119167	Tissue	08/18/23	II
SSP-OS-C2-ER	119168	Tissue	08/18/23	II
WSP-OS-C1-HH	119169	Tissue	08/18/23	II
WSP-OS-C2-ER	119170	Tissue	08/18/23	II
WSB-OS-HH	119171	Tissue	09/07/23	II
KB-OS-HH	119172	Tissue	09/07/23	II
KB-OS-ER	119173	Tissue	09/07/23	II
SSB-MB-C1-HH	119174	Tissue	08/23/23	II
SSB-MB-C1-ER	119175	Tissue	08/23/23	II
SSB-MB-C2-HH	119176	Tissue	02/12/24	II
SSB-MB-C2-ER	119177	Tissue	02/12/24	II

SSB-MB-C3-HH	119178	Tissue	02/23/24	II
SSB-MB-C3-ER	119179	Tissue	02/23/24	II
SSP-MB-ER	119180	Tissue	08/23/23	II
WSP-MB-HH	119181	Tissue	08/23/23	II
WSP-MB-ER	119182	Tissue	08/23/23	II
CAH-MB-ER	119183	Tissue	08/23/23	II
BSB-MB-ER	119184	Tissue	08/23/23	II
KB-MB-ER	119185	Tissue	08/23/23	II
RR-MB-HH	119186	Tissue	08/23/23	II
TS-MB-C1-HH	119187	Tissue	02/12/24	II
TS-MB-C2-ER	119188	Tissue	02/12/24	II
TS-MB-C3-HH	119189	Tissue	02/23/24	II
TS-MB-C4-ER	119190	Tissue	02/23/24	II
PCM-NSDB-HH	119191	Tissue	09/15/23	II
PCM-NSDB-ER	119192	Tissue	09/15/23	II
SSB-NSDB-C1-HH	119193	Tissue	08/24/23	II
SSB-NSDB-C1-ER	119194	Tissue	08/24/23	II
SSB-NSDB-C2-HH	119195	Tissue	08/24/23	II
SSB-NSDB-C2-ER	119196	Tissue	08/24/23	II
SSB-NSDB-C3-HH	119197	Tissue	01/31/24	II
SSB-NSDB-C3-ER	119198	Tissue	01/31/24	II
JS-NSDB-C1-HH	119199	Tissue	09/15/23	II
JS-NSDB-C1-ER	119200	Tissue	09/15/23	II
JS-NSDB-C2-HH	119201	Tissue	01/31/24	II
TS-NSDB-C1-HH	119202	Tissue	09/15/23	II
TS-NSDB-C1-ER	119203	Tissue	09/15/23	II
TS-NSDB-C2-ER	119204	Tissue	09/15/23	II
CAH-NSDB-HH	119205	Tissue	08/24/23	II
QF-NSDB-ER	119206	Tissue	08/24/23	II
BSB-NSDB-ER	119207	Tissue	08/24/23	II
SSP-SSDB-C1-ER	119208	Tissue	08/25/23	II
SSP-SSDB-C2-ER	119209	Tissue	08/25/23	II
YFC-SSDB-ER	119210	Tissue	08/25/23	II
BC-SSDB-C1-HH	119211	Tissue	08/25/23	II
BC-SSDB-C1-ER	119212	Tissue	08/25/23	II
SSB-SSDB-C1-HH	119213	Tissue	08/24/23	II
SSB-SSDB-C1-ER	119214	Tissue	08/24/23	II
SSB-SSDB-C2-ER	119215	Tissue	08/24/23	II
SSB-SSDB-C3-HH	119216	Tissue	01/29/24	II
SSB-SSDB-C3-ER	119217	Tissue	01/29/24	II
BSB-SSDB-C1-ER	119218	Tissue	08/24/23	II
BSB-SSDB-C2-ER	119219	Tissue	08/25/23	II
PB-SSDB-HH	119220	Tissue	01/29/24	II
TS-SSDB-HH	119221	Tissue	01/29/24	II

TS-SSDB-ER	119222	Tissue	01/29/24	II
RR-SSDB-HH	119223	Tissue	08/24/23	II
SA-SSDB-C1-HH	119224	Tissue	08/25/23	II
SA-SSDB-C2-ER	119225	Tissue	08/25/23	II
SA-SSDB-C3-HH	119226	Tissue	08/25/23	II
SA-SSDB-C4-ER	119227	Tissue	08/25/23	II
SSB-OS-C1-HHMS	119161MS	Tissue	09/07/23	II
SSB-OS-C1-HHMSD	119161MSD	Tissue	09/07/23	II
SSB-OS-C1-HHDUP	119161DUP	Tissue	09/07/23	II
WSP-MB-HHMS	119181MS	Tissue	08/23/23	II
WSP-MB-HHMSD	119181MSD	Tissue	08/23/23	II
WSP-MB-HHDUP	119181DUP	Tissue	08/23/23	II
JS-NSDB-C1-HHMS	119199MS	Tissue	09/15/23	II
JS-NSDB-C1-HHMSD	119199MSD	Tissue	09/15/23	II
JS-NSDB-C1-HHDUP	119199DUP	Tissue	09/15/23	II
SSB-SSDB-C3-HHMS	119216MS	Tissue	01/29/24	II
SSB-SSDB-C3-HHMSD	119216MSD	Tissue	01/29/24	II
SSB-SSDB-C3-HHDUP	119216DUP	Tissue	01/29/24	II

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Final Quality Assurance Project Plan for 2023 Regional Harbor Monitoring Program (July 2023) and a modified outline of the USEPA National Functional Guidelines (NFG) for High Resolution Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polychlorinated Biphenyls (PCBs) as Congeners by Environmental Protection Agency (EPA) SW 846 Method 8270E

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary reports. For samples that were subjected to Level IV data validation, QA/QC summary reports and raw data were evaluated to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The reported result was an estimated quantity value.

U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

NJ (Tentatively identified): The analyte has been "tentatively identified" or "presumptively identified" as present, and the associated numerical value was the estimated concentration in the sample.

R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance check was performed at the required frequency.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r^2) was greater than or equal to 0.990 with the following exceptions:

Date	Analyte	r^2	Associated Samples	Flag	A or P
1/13/25	PCB 203	0.974	All samples in SDG 2307008-026	UJ (all non-detects)	A

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Flag	A or P
1/13/25	PCB 008	204	TS-DP-C1-HH	J (all detects)	A
	PCB 005	99	TS-DP-C2-ER	UJ (all non-detects)	
	PCB 018	36	SSP-DP-ER		
	PCB 031	71	WSP-DP-C1-HH		
	PCB 095	43	WSP-DP-C2-ER		
	PCB 081	34	CA-DP-HH		
	PCB 118	31	BSB-DP-HH		
	PCB 114	33	BSB-DP-ER		
	PCB 105	33			
	PCB 141	40			
	PCB 137	32			
	PCB 138	33			
	PCB 158	31			
	PCB 126	47			
	PCB 128	32			
	PCB 167	39			
	PCB 177	38			
	PCB 156	56			
	PCB 157	50			
	PCB 180	35			
	PCB 169	89			
	PCB 170	51			
	PCB 199	49			
	PCB 189	83			
	PCB 195	33			
	PCB 194	57			

IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Flag	A or P
1/14/25	PCB 003	25	TS-DP-C2-ER	J (all detects)	A
	PCB 008	212	SSP-DP-ER	UJ (all non-detects)	
	PCB 005	104	WSP-DP-C1-HH		
	PCB 018	23	WSP-DP-C2-ER		
	PCB 074	22	CA-DP-HH		
	PCB 066	21	BSB-DP-HH		
	PCB 070	21	BSB-DP-ER		
	PCB056/060	51			
	PCB 101	64			
	PCB 099	26			
	PCB 119	32			
	PCB 097	27			
	PCB 087	27			
	PCB 081	35			
	PCB 110	33			
	PCB 077	42			
	PCB 151	39			
	PCB 123	48			
	PCB 149	43			
	PCB 118	44			
	PCB 114	48			
	PCB 126	27			
	PCB 167	26			
	PCB 174	23			
	PCB 156	37			
	PCB 201	34			
	PCB 157	35			
	PCB 180	37			
	PCB 169	51			
	PCB 170	45			
	PCB 199	56			
	PCB 203	69			
	PCB 189	67			
	PCB 195	52			
	PCB 194	59			
	PCB 206	100			
	PCB 209	71			

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

No field blanks were identified in this SDG.

VII. Surrogates

Surrogates were not required by the method.

VIII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Analyte	MS %R (50-150)	MSD %R (50-150)	Flag	A or P
JS-NSDB-C1-HHMS/MSD (JS-NSDB-C1-HH)	PCB 126	165	-	NA	-
JS-NSDB-C1-HHMS/MSD (JS-NSDB-C1-HH)	PCB 138 PCB 153	179 184	- 165	J (all detects) J (all detects)	A
SSB-SSDB-C3-HHMS/MSD (SSB-SSDB-C3-HH)	PCB 138	160	-	J (all detects)	A

Relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Analyte	RPD (≤25)	Flag	A or P
SSB-OS-C1-HHMS/MSD (SSB-OS-C1-HH)	PCB 187	32	J (all detects)	A
JS-NSDB-C1-HHMS/MSD (JS-NSDB-C1-HH)	PCB 149 PCB 183 PCB 194 PCB 206	31 33 57 60	J (all detects) J (all detects) J (all detects) J (all detects)	A
JS-NSDB-C1-HHMS/MSD (JS-NSDB-C1-HH)	PCB 157 PCB 199	28 33	NA	-

Laboratory duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits with the following exceptions:

DUP ID (Associated Samples)	Analyte	RPD (≤25)	Flag	A or P
JS-NSDB-C1-HHDUP (JS-NSDB-C1-HH)	PCB 187	41	J (all detects)	A

IX. Laboratory Control Samples/Certified Reference Materials

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Analyte	LCS %R (70-130)	LCSD %R (70-130)	Flag	A or P
119141-BS1/-BS2 (TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER WSB-OS-HH KB-OS-HH)	PCB 005 PCB 031 PCB 194	68 68 -	64 41 50	J (all detects) UJ (all non-detects)	P
119142-BS1/-BS2 (KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER)	PCB 003 PCB 027 PCB 005 PCB 008	56 57 - -	57 56 65 61	J (all detects) UJ (all non-detects)	P
119143-BS1/-BS2 (SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER)	PCB 008 PCB 027 PCB 119	65 69 65	- - -	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P

LCS ID (Associated Samples)	Analyte	LCS %R (70-130)	LCSD %R (70-130)	Flag	A or P
119143-BS1/-BS2 (SSB-NSDB-C1-HH SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER)	PCB 128	-	153	J (all detects)	P
119143-BS1/-BS2 (SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-ER)	PCB 167	-	132	J (all detects)	P
119143-BS1/-BS2 (SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER)	PCB 177	-	140	J (all detects)	P

LCS ID (Associated Samples)	Analyte	LCS %R (70-130)	LCSD %R (70-130)	Flag	A or P
119144-BS1/-BS2 (SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER)	PCB 003 PCB 018 PCB 029 PCB 005 PCB 027	40 66 67 - -	66 - - 69 67	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P

Relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Analyte	RPD (≤30)	Flag	A or P
119141-BS1/-BS2 (WSP-DP-C2-ER)	PCB 189	37	J (all detects)	P
119144-BS1/-BS2 (SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER)	PCB 003	49	NA	-

Certified reference materials (CRM) were analyzed as required by the method. The results were within QC limits with the following exceptions:

CRM ID (Associated Samples)	Analyte	%R (75-125)	Flag	A or P
119145-CRM1 (TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER WSB-OS-HH KB-OS-HH)	PCB 008 PCB 074 PCB 101 PCB 110 PCB 149 PCB 151 PCB 156 PCB 158 PCB 187 PCB 029 PCB 114 PCB 137 PCB 157	61 58 73 68 74 55 74 72 74 0 0 0 0	J (all detects) UJ (all non-detects)	A
119145-CRM1 (TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER SSP-OS-C1-HH WSP-OS-C1-HH)	PCB 049	131	J (all detects)	A
119145-CRM1 (TS-DP-C2-ER SSP-DP-ER BSB-DP-HH BSB-DP-ER SSB-OS-C1-ER TS-OS-C2-ER WSP-OS-C1-HH)	PCB 095	127	J (all detects)	A
119145-CRM1 (SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH WSP-OS-C1-HH KB-OS-HH)	PCB 105	126	J (all detects)	A
119145-CRM1 (SSP-DP-ER BSB-DP-HH BSB-DP-ER SSB-OS-C1-ER SSB-OS-C2-ER)	PCB 183	136	J (all detects)	A

CRM ID (Associated Samples)	Analyte	%R (75-125)	Flag	A or P
119146-CRM1 (KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER)	PCB 008 PCB 029 PCB 049 PCB 074 PCB 099 PCB 137 PCB 151 PCB 157 PCB 183	0 0 67 74 72 0 68 0 0	J (all detects) UJ (all non-detects)	A
119146-CRM1 (KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER)	PCB 018	131	NA	-
119146-CRM1 (All samples in SDG 2307008-026)	PCB 110	136	J (all detects)	A
119146-CRM1 (SSB-MB-C1-HH SSB-MB-C1-ER)	PCB 170	140	J (all detects)	A

CRM ID (Associated Samples)	Analyte	%R (75-125)	Flag	A or P
119147-CRM1 (SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER)	PCB 018 PCB 029 PCB 101 PCB 114 PCB 137 PCB 149 PCB 151 PCB 156 PCB 157 PCB 177	64 0 67 72 0 71 73 68 73 141	J (all detects) UJ (all non-detects)	A
119147-CRM1 (SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-ER)	PCB 167	135	J (all detects)	A
119148-CRM1 (SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER)	PCB 029 PCB 137 PCB 151	0 0 72	J (all detects) UJ (all non-detects)	A

X. Field Duplicates

No field duplicates were identified in this SDG.

XI. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (50-200)	Affected Analyte	Flag	A or P
CA-DP-HH	2,2',5,5'-Tetrabromobiphenyl	49	PCB 105 PCB 132 PCB 168 PCB 153 PCB 141 PCB 137 PCB 138 PCB 126 PCB 187 PCB 183 PCB 128 PCB 167 PCB 174 PCB 177 PCB 156 PCB 157 PCB 158 PCB 201 PCB 180 PCB 169 PCB 170 PCB 189 PCB 199 PCB 203 PCB 194 PCB 195 PCB 206 PCB 209	J (all detects) UJ (all non-detects)	P
BSB-DP-HH	2,2',5,5'-Tetrabromobiphenyl	34	PCB 105 PCB 132 PCB 168 PCB 153 PCB 141 PCB 137 PCB 138 PCB 126 PCB 187 PCB 183 PCB 128 PCB 167 PCB 174 PCB 177 PCB 156 PCB 157 PCB 158 PCB 201 PCB 180 PCB 169 PCB 170 PCB 189 PCB 199 PCB 203 PCB 194 PCB 195 PCB 206 PCB 209	J (all detects) UJ (all non-detects)	P

Sample	Internal Standards	Area (50-200)	Affected Analyte	Flag	A or P
BSB-DP-ER	4,4'-Dibromobiphenyl 2,2',5,5'-Tetrabromobiphenyl	36 27	All analytes	J (all detects) UJ (all non-detects)	P

XII. Target Analyte Quantitation

All target analyte quantitations met validation criteria for samples which underwent Level IV validation. Raw data were not reviewed for Level II validation.

XIII. Target Analyte Identification

All target analyte identifications met validation criteria for samples which underwent Level IV validation. Raw data were not reviewed for Level II validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method.

The laboratory indicated that the raw data could not be regenerated for several samples and some of PCBs were not verified.

Data rejected for exclusion due to LCS/LCSD %R, and CRM %R are summarized and presented in the Data Qualification Summary.

Data qualified due to initial calibration r^2, ICV %D, continuing calibration %D, MS/MSD %R and RPD, DUP RPD, LCS/LCSD %R and RPD, CRM %R, and internal standard %R are summarized and presented in the Data Qualification Summary.

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Sample	Analyte	Flag	A or P	Reason
TS-DP-C1-HH	PCB 203	UJ (all non-detects)	A	Initial calibration (r^2)
TS-DP-C2-ER				
SSP-DP-ER				
WSP-DP-C1-HH				
WSP-DP-C2-ER				
CA-DP-HH				
BSB-DP-HH				
BSB-DP-ER				
SSB-OS-C1-HH				
SSB-OS-C1-ER				
SSB-OS-C2-HH				
SSB-OS-C2-ER				
TS-OS-C1-HH				
TS-OS-C2-ER				
SSP-OS-C1-HH				
SSP-OS-C2-ER				
WSP-OS-C1-HH				
WSP-OS-C2-ER				
WSB-OS-HH				
KB-OS-HH				
KB-OS-ER				
SSB-MB-C1-HH				
SSB-MB-C1-ER				
SSB-MB-C2-HH				
SSB-MB-C2-ER				
SSB-MB-C3-HH				
SSB-MB-C3-ER				
SSP-MB-ER				
WSP-MB-HH				
WSP-MB-ER				
CAH-MB-ER				
BSB-MB-ER				
KB-MB-ER				
RR-MB-HH				
TS-MB-C1-HH				
TS-MB-C2-ER				
TS-MB-C3-HH				
TS-MB-C4-ER				
PCM-NSDB-HH				
PCM-NSDB-ER				
SSB-NSDB-C1-HH				
SSB-NSDB-C1-ER				
SSB-NSDB-C2-HH				
SSB-NSDB-C2-ER				
SSB-NSDB-C3-HH				
SSB-NSDB-C3-ER				
JS-NSDB-C1-HH				
JS-NSDB-C1-ER				
JS-NSDB-C2-HH				
TS-NSDB-C1-HH				
TS-NSDB-C1-ER				
TS-NSDB-C2-ER				
CAH-NSDB-HH				
QF-NSDB-ER				
BSB-NSDB-ER				
SSP-SSDB-C1-ER				
SSP-SSDB-C2-ER				
YFC-SSDB-ER				
BC-SSDB-C1-HH				
BC-SSDB-C1-ER				
SSB-SSDB-C1-HH				
SSB-SSDB-C1-ER				

Sample	Analyte	Flag	A or P	Reason
SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	PCB 203	UJ (all non-detects)	A	Initial calibration (r^2)
TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER	PCB 008 PCB 005 PCB 018 PCB 031 PCB 095 PCB 081 PCB 118 PCB 114 PCB 105 PCB 141 PCB 137 PCB 138 PCB 158 PCB 126 PCB 128 PCB 167 PCB 177 PCB 156 PCB 157 PCB 180 PCB 169 PCB 170 PCB 199 PCB 189 PCB 195 PCB 194	J (all detects) UJ (all non-detects)	A	Initial calibration verification (%D)

Sample	Analyte	Flag	A or P	Reason
TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER	PCB 003 PCB 008 PCB 005 PCB 018 PCB 074 PCB 066 PCB 070 PCB056/060 PCB 101 PCB 099 PCB 119 PCB 097 PCB 087 PCB 081 PCB 110 PCB 077 PCB 151 PCB 123 PCB 149 PCB 118 PCB 114 PCB 126 PCB 167 PCB 174 PCB 156 PCB 201 PCB 157 PCB 180 PCB 169 PCB 170 PCB 199 PCB 203 PCB 189 PCB 195 PCB 194 PCB 206 PCB 209	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
JS-NSDB-C1-HH	PCB 138 PCB 153	J (all detects) J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)
SSB-SSDB-C3-HH	PCB 138	J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)
SSB-OS-C1-HH	PCB 187	J (all detects)	A	Matrix spike/Matrix spike duplicates (RPD)
JS-NSDB-C1-HH	PCB 149 PCB 183 PCB 194 PCB 206	J (all detects) J (all detects) J (all detects) J (all detects)	A	Matrix spike/Matrix spike duplicates (RPD)
JS-NSDB-C1-HH	PCB 187	J (all detects)	A	Laboratory duplicates (RPD)

Sample	Analyte	Flag	A or P	Reason
TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER WSB-OS-HH KB-OS-HH	PCB 005 PCB 031 PCB 194	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER	PCB 003 PCB 027 PCB 005 PCB 008	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER	PCB 008 PCB 027 PCB 119	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Laboratory control samples (%R)

Sample	Analyte	Flag	A or P	Reason
SSB-NSDB-C1-HH SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER	PCB 128	J (all detects)	P	Laboratory control samples (%R)
SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-ER	PCB 167	J (all detects)	P	Laboratory control samples (%R)
SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER	PCB 177	J (all detects)	P	Laboratory control samples (%R)

Sample	Analyte	Flag	A or P	Reason
SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	PCB 003 PCB 018 PCB 029 PCB 005 PCB 027	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Laboratory control samples (%R)
WSP-DP-C2-ER	PCB 189	J (all detects)	P	Laboratory control samples (RPD)
TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH WSP-DP-C2-ER CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER TS-OS-C1-HH TS-OS-C2-ER SSP-OS-C1-HH SSP-OS-C2-ER WSP-OS-C1-HH WSP-OS-C2-ER WSB-OS-HH KB-OS-HH	PCB 008 PCB 074 PCB 101 PCB 110 PCB 149 PCB 151 PCB 156 PCB 158 PCB 187 PCB 029 PCB 114 PCB 137 PCB 157	J (all detects) UJ (all non-detects)	A	Certified reference material (%R)
TS-DP-C1-HH TS-DP-C2-ER SSP-DP-ER WSP-DP-C1-HH CA-DP-HH BSB-DP-HH BSB-DP-ER SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH SSB-OS-C2-ER SSP-OS-C1-HH WSP-OS-C1-HH	PCB 049	J (all detects)	A	Certified reference material (%R)
TS-DP-C2-ER SSP-DP-ER BSB-DP-HH BSB-DP-ER SSB-OS-C1-ER TS-OS-C2-ER WSP-OS-C1-HH	PCB 095	J (all detects)	A	Certified reference material (%R)

Sample	Analyte	Flag	A or P	Reason
SSB-OS-C1-HH SSB-OS-C1-ER SSB-OS-C2-HH WSP-OS-C1-HH KB-OS-HH	PCB 105	J (all detects)	A	Certified reference material (%R)
SSP-DP-ER BSB-DP-HH BSB-DP-ER SSB-OS-C1-ER SSB-OS-C2-ER	PCB 183	J (all detects)	A	Certified reference material (%R)
KB-OS-ER SSB-MB-C1-HH SSB-MB-C1-ER SSB-MB-C2-HH SSB-MB-C2-ER SSB-MB-C3-HH SSB-MB-C3-ER SSP-MB-ER WSP-MB-HH WSP-MB-ER CAH-MB-ER BSB-MB-ER KB-MB-ER RR-MB-HH TS-MB-C1-HH TS-MB-C2-ER TS-MB-C3-HH TS-MB-C4-ER PCM-NSDB-HH PCM-NSDB-ER	PCB 008 PCB 029 PCB 049 PCB 074 PCB 099 PCB 137 PCB 151 PCB 157 PCB 183	J (all detects) UJ (all non-detects)	A	Certified reference material (%R)
119146-CRM1 (All samples in SDG 2307008-026)	PCB 110	J (all detects)	A	Certified reference material (%R)
SSB-MB-C1-HH SSB-MB-C1-ER	PCB 170	J (all detects)	A	Certified reference material (%R)
SSB-NSDB-C1-HH SSB-NSDB-C1-ER SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C1-HH JS-NSDB-C1-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-HH BC-SSDB-C1-ER	PCB 018 PCB 029 PCB 101 PCB 114 PCB 137 PCB 149 PCB 151 PCB 156 PCB 157 PCB 177	J (all detects) UJ (all non-detects)	A	Certified reference material (%R)

Sample	Analyte	Flag	A or P	Reason
SSB-NSDB-C2-HH SSB-NSDB-C2-ER SSB-NSDB-C3-HH SSB-NSDB-C3-ER JS-NSDB-C2-HH TS-NSDB-C1-HH TS-NSDB-C1-ER TS-NSDB-C2-ER CAH-NSDB-HH QF-NSDB-ER BSB-NSDB-ER SSP-SSDB-C1-ER SSP-SSDB-C2-ER YFC-SSDB-ER BC-SSDB-C1-ER	PCB 167	J (all detects)	A	Certified reference material (%R)
SSB-SSDB-C1-HH SSB-SSDB-C1-ER SSB-SSDB-C2-ER SSB-SSDB-C3-HH SSB-SSDB-C3-ER BSB-SSDB-C1-ER BSB-SSDB-C2-ER PB-SSDB-HH TS-SSDB-HH TS-SSDB-ER RR-SSDB-HH SA-SSDB-C1-HH SA-SSDB-C2-ER SA-SSDB-C3-HH SA-SSDB-C4-ER	PCB 029 PCB 137 PCB 151	J (all detects) UJ (all non-detects)	A	Certified reference material (%R)
CA-DP-HH BSB-DP-HH	PCB 105 PCB 132 PCB 168 PCB 153 PCB 141 PCB 137 PCB 138 PCB 126 PCB 187 PCB 183 PCB 128 PCB 167 PCB 174 PCB 177 PCB 156 PCB 157 PCB 158 PCB 201 PCB 180 PCB 169 PCB 170 PCB 189 PCB 199 PCB 203 PCB 194 PCB 195 PCB 206 PCB 209	J (all detects) UJ (all non-detects)	P	Internal standards (%R)
BSB-DP-ER	All analytes	J (all detects) UJ (all non-detects)	P	Internal standards (%R)

2023 Regional Harbor Monitoring Program
Polychlorinated Biphenyls as Congeners - Laboratory Blank Data Qualification Summary - SDG 2307008-026

No Sample Data Qualified in this SDG

2023 Regional Harbor Monitoring Program
Polychlorinated Biphenyls as Congeners - Field Blank Data Qualification Summary - SDG 2307008-026

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60849A
SDG #: 2307008-026
Laboratory: Physis Environmental Laboratories, Anaheim, CA

Date: 4/10/2025
Page: 1
Reviewer: CA
2nd Reviewer: MN

Method: PCB Congeners (EPA 8270E)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample Receipt/Technical Holding Time	A	
II	GC/MS Instrument Performance Check	N	
III	Initial Calibration/ ICV	SW/SW	Y = %RSD ≤ 30%
IV	Continuing Calibration	SW	D ≤ 20%
V	Laboratory Blanks	A	
VI	Field Blank	N	
VII	Surrogate Spikes	NR	
VIII	Matrix Spike/Matrix Spike Duplicate MS/MSD	SW/SW	
IX	Laboratory Control Sample LCS/LCSD	SW/SW	LCS/D
X	Field Duplicate	N	
XI	Internal standards	SW	
XII	Target Analyte Quantitation	A	
XIII	Target Analyte Identification	A	
XIV	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = Not detected; NQ = Not qualified; FD = Field duplicate; FT = Field triplicate; TB = Trip blank; FB = Field blank; AB= Ambient blank; SB = Source blank; EB = Equipment blank; R = Rinsate

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	TS-DP-C1-HH	119153		Tissue	09/06/2023	Level IV
2	TS-DP-C2-ER	119154		Tissue	09/06/2023	Level IV
3	SSP-DP-ER	119155		Tissue	08/17/2023	Level IV
4	WSP-DP-C1-HH	119156		Tissue	08/17/2023	Level IV
5	WSP-DP-C2-ER	119157		Tissue	08/17/2023	Level IV
6	CA-DP-HH	119158		Tissue	09/06/2023	Level IV
7	BSB-DP-HH	119159		Tissue	09/06/2023	Level IV
8	BSB-DP-ER	119160		Tissue	09/06/2023	Level IV
9	SSB-OS-C1-HH	119161		Tissue	09/07/2023	Level II
10	SSB-OS-C1-ER	119162		Tissue	09/07/2023	Level II
11	SSB-OS-C2-HH	119163		Tissue	09/07/2023	Level II
12	SSB-OS-C2-ER	119164		Tissue	09/07/2023	Level II
13	TS-OS-C1-HH	119165		Tissue	09/07/2023	Level II
14	TS-OS-C2-ER	119166		Tissue	09/07/2023	Level II
15	SSP-OS-C1-HH	119167		Tissue	08/18/2023	Level II
16	SSP-OS-C2-ER	119168		Tissue	08/18/2023	Level II
17	WSP-OS-C1-HH	119169		Tissue	08/18/2023	Level II
18	WSP-OS-C2-ER	119170		Tissue	08/18/2023	Level II
19	WSB-OS-HH	119171		Tissue	09/07/2023	Level II
20	KB-OS-HH	119172		Tissue	09/07/2023	Level II
21	KB-OS-ER	119173		Tissue	09/07/2023	Level II

VALIDATION COMPLETENESS WORKSHEET

LDC#: 60849A Date: 4/10/2025
SDG#: 2307008-026 Page: 2

22	SSB-MB-C1-HH	119174		Tissue	08/23/2023	Level II
23	SSB-MB-C1-ER	119175		Tissue	08/23/2023	Level II
24	SSB-MB-C2-HH	119176		Tissue	02/12/2024	Level II
25	SSB-MB-C2-ER	119177		Tissue	02/12/2024	Level II
26	SSB-MB-C3-HH	119178		Tissue	02/23/2024	Level II
27	SSB-MB-C3-ER	119179		Tissue	02/23/2024	Level II
28	SSP-MB-ER	119180		Tissue	08/23/2023	Level II
29	WSP-MB-HH	119181		Tissue	08/23/2023	Level II
30	WSP-MB-ER	119182		Tissue	08/23/2023	Level II
31	CAH-MB-ER	119183		Tissue	08/23/2023	Level II
32	BSB-MB-ER	119184		Tissue	08/23/2023	Level II
33	KB-MB-ER	119185		Tissue	08/23/2023	Level II
34	RR-MB-HH	119186		Tissue	08/23/2023	Level II
35	TS-MB-C1-HH	119187		Tissue	02/12/2024	Level II
36	TS-MB-C2-ER	119188		Tissue	02/12/2024	Level II
37	TS-MB-C3-HH	119189		Tissue	02/23/2024	Level II
38	TS-MB-C4-ER	119190		Tissue	02/23/2024	Level II
39	PCM-NSDB-HH	119191		Tissue	09/15/2023	Level II
40	PCM-NSDB-ER	119192		Tissue	09/15/2023	Level II
41	SSB-NSDB-C1-HH	119193		Tissue	08/24/2023	Level II
42	SSB-NSDB-C1-ER	119194		Tissue	08/24/2023	Level II
43	SSB-NSDB-C2-HH	119195		Tissue	08/24/2023	Level II
44	SSB-NSDB-C2-ER	119196		Tissue	08/24/2023	Level II
45	SSB-NSDB-C3-HH	119197		Tissue	01/31/2024	Level II
46	SSB-NSDB-C3-ER	119198		Tissue	01/31/2024	Level II
47	JS-NSDB-C1-HH	119199		Tissue	09/15/2023	Level II
48	JS-NSDB-C1-ER	119200		Tissue	09/15/2023	Level II
49	JS-NSDB-C2-HH	119201		Tissue	01/31/2024	Level II
50	TS-NSDB-C1-HH	119202		Tissue	09/15/2023	Level II
51	TS-NSDB-C1-ER	119203		Tissue	09/15/2023	Level II
52	TS-NSDB-C2-ER	119204		Tissue	09/15/2023	Level II
53	CAH-NSDB-HH	119205		Tissue	08/24/2023	Level II
54	QF-NSDB-ER	119206		Tissue	08/24/2023	Level II
55	BSB-NSDB-ER	119207		Tissue	08/24/2023	Level II
56	SSP-SSDB-C1-ER	119208		Tissue	08/25/2023	Level II
57	SSP-SSDB-C2-ER	119209		Tissue	08/25/2023	Level II
58	YFC-SSDB-ER	119210		Tissue	08/25/2023	Level II
59	BC-SSDB-C1-HH	119211		Tissue	08/25/2023	Level II
60	BC-SSDB-C1-ER	119212		Tissue	08/25/2023	Level II
61	SSB-SSDB-C1-HH	119213		Tissue	08/24/2023	Level II
62	SSB-SSDB-C1-ER	119214		Tissue	08/24/2023	Level II
63	SSB-SSDB-C2-ER	119215		Tissue	08/24/2023	Level II
64	SSB-SSDB-C3-HH	119216		Tissue	01/29/2024	Level II
65	SSB-SSDB-C3-ER	119217		Tissue	01/29/2024	Level II
66	BSB-SSDB-C1-ER	119218		Tissue	08/24/2023	Level II
67	BSB-SSDB-C2-ER	119219		Tissue	08/25/2023	Level II
68	PB-SSDB-HH	119220		Tissue	01/29/2024	Level II
69	TS-SSDB-HH	119221		Tissue	01/29/2024	Level II
70	TS-SSDB-ER	119222		Tissue	01/29/2024	Level II
71	RR-SSDB-HH	119223		Tissue	08/24/2023	Level II
72	SA-SSDB-C1-HH	119224		Tissue	08/25/2023	Level II
73	SA-SSDB-C2-ER	119225		Tissue	08/25/2023	Level II
74	SA-SSDB-C3-HH	119226		Tissue	08/25/2023	Level II

VALIDATION COMPLETENESS WORKSHEET

75	SA-SSDB-C4-ER	119227		Tissue	08/25/2023	Level II
76	SSB-OS-C1-HHMS	119161MS	MS	Tissue	09/07/2023	Level II
77	SSB-OS-C1-HHMSD	119161MSD	MSD	Tissue	09/07/2023	Level II
78	SSB-OS-C1-HHDUP	119161DUP	DUP	Tissue	09/07/2023	Level II
79	WSP-MB-HHMS	119181MS	MS	Tissue	08/23/2023	Level II
80	WSP-MB-HHMSD	119181MSD	MSD	Tissue	08/23/2023	Level II
81	WSP-MB-HHDUP	119181DUP	DUP	Tissue	08/23/2023	Level II
82	JS-NSDB-C1-HHMS	119199MS	MS	Tissue	09/15/2023	Level II
83	JS-NSDB-C1-HHMSD	119199MSD	MSD	Tissue	09/15/2023	Level II
84	JS-NSDB-C1-HHDUP	119199DUP	DUP	Tissue	09/15/2023	Level II
85	SSB-SSDB-C3-HHMS	119216MS	MS	Tissue	01/29/2024	Level II
86	SSB-SSDB-C3-HHMSD	119216MSD	MSD	Tissue	01/29/2024	Level II
87	SSB-SSDB-C3-HHDUP	119216DUP	DUP	Tissue	01/29/2024	Level II

Notes:

0-49056 1-20	0-49062 61-75	
0-49038 21-40		
0-49060 41-60		

LDC #: 60814A

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: 4

Method: Semivolatiles (EPA SW 846 Method 8270)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?			✓	
Were all samples analyzed within the 12 hour clock criteria?			✓	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?			✓	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?		✓		
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?			✓	
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	✓			

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?				
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Reviewer: PG

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

A five point calibration curve was performed.
A linear fit was used for evaluation and acceptance criteria for each analyte was met.
A curve fit was used for evaluation and the r2 acceptance criteria of ≥ 0.99 was met.
Initial calibration was performed was at the required frequency.

Level IV Only

The retention time windows were properly established for all analytes.
All analytes were run at the required concentrations in the initial calibrations.
All criteria are met with the exceptions identified below.

#	Date	Standard ID	Analyte	r2 (Limit ≥0.990)	RRF (Limits)	Associated samples	Qualifications
	1/13/2025	ICAL	PCB 203	0.974		All (ND)	J/UJ/A

	DOD	NFG
RSD	15%	Method criteria

RRF: 0.05

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Reviewer: PG

METHOD: GC/MS PCB Congeners (EPA SW 846 Method 8270E)
A second source verification standard was analyzed after each ICAL for each instrument.
All analytes met the second source verification standards validation criteria with the exceptions identified below.

#	Date	Standard ID	Analyte	%D (Limit ≤30%)	Associated samples	Qualifications
	1/13/2025	ICV	PCB 008	204	1-8 (dets+ND)	J/UJ/A
			PCB 005	99		
			PCB 018	36		
			PCB 031	71		
			PCB 095	43		
			PCB 081	34		
			PCB 118	31		
			PCB 114	33		
			PCB 105	33		
			PCB 141	40		
			PCB 137	32		
			PCB 138	33		
			PCB 158	31		
			PCB 126	47		
			PCB 128	32		
			PCB 167	39		
			PCB 177	38		
			PCB 156	56		
			PCB 157	50		
			PCB 180	35		
			PCB 169	89		
			PCB 170	51		
			PCB 199	49		
			PCB 189	83		
			PCB 195	33		

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Reviewer: PG

METHOD: GC/MS PCB Congeners (EPA SW 846 Method 8270E)
A second source verification standard was analyzed after each ICAL for each instrument.
All analytes met the second source verification standards validation criteria with the exceptions identified below.

#	Date	Standard ID	Analyte	%D (Limit ≤30%)	Associated samples	Qualifications
	1/13/2025	ICV	PCB 194	57	1-8 (dets+ND)	J/UJ/A

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: PG

METHOD: GC/MS PCB Congeners (EPA SW 846 Method 8270E)
Continuing calibration standards were analyzed at the required frequencies.
The retention times for all calibrated compounds were within their respective acceptance windows.
All analytes met the continuing calibration standards validation criteria with the exceptions identified below.

#	Date	Standard ID	Compound	%D (Limit ≤ 20 %)	RRF (Limits)	Associated samples	Qualifications
	1/14/2025	OCP250_PCB75_P1289	PCB 003	25		2-8 (dets+NS)	J/UJ/A
			PCB 008	212			
			PCB 005	104			
			PCB 018	23			
			PCB 074	22			
			PCB 066	21			
			PCB 070	21			
			PCB056/060	51			
			PCB 101	64			
			PCB 099	26			
			PCB 119	32			
			PCB 097	27			
			PCB 087	27			
			PCB 081	35			
			PCB 110	33			
			PCB 077	42			
			PCB 151	39			
			PCB 123	48			
			PCB 149	43			
			PCB 118	44			
			PCB 114	48			
			PCB 126	27			
			PCB 167	26			

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: PG

METHOD: GC/MS PCB Congeners (EPA SW 846 Method 8270E)
Continuing calibration standards were analyzed at the required frequencies.
The retention times for all calibrated compounds were within their respective acceptance windows.
All analytes met the continuing calibration standards validation criteria with the exceptions identified below.

#	Date	Standard ID	Compound	%D (Limit ≤ 20 %)	RRF (Limits)	Associated samples	Qualifications
	1/14/2025	OCP250_PCB75_P1289	PCB 174	23		2-8 (dets+NS)	J/UJ/A
			PCB 156	37			
			PCB 201	34			
			PCB 157	35			
			PCB 180	37			
			PCB 169	51			
			PCB 170	45			
			PCB 199	56			
			PCB 203	69			
			PCB 189	67			
			PCB 195	52			
			PCB 194	59			
			PCB 206	100			
			PCB 209	71			

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: PG

METHOD: GC/MS PCB Congeners (EPA SW 846 Method 8270E)

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample.

Percent recoveries (%R) and %RPD were within QC limits with the exceptions identified below.

MS/MSD ID	Analyte	MS %R	MSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
76/77	PCB 187				32	25	9 (dets)	Jdets/A
78,81,84, 87					RPD out	25		NQ < 5XRL
82/83	PCB 126	165		50-150			47 (ND)	Jdets/A
	PCB 138	179		↓			(dets)	↓
	PCB 153	184	165	↓			(dets)	↓
	PCB 149				31	25	(dets)	Jdets/A
	PCB 157				28	↓	(ND)	↓
	PCB 183				33	↓	(dets)	↓
	PCB 194				57	↓	(dets)	↓
	PCB 206				60	↓	(dets)	↓
	PCB 199				33	↓	(ND)	↓
84	PCB 187				41	↓	47 ((dets)	Jdets/A
85/86	PCB 138	160		50-150			64 (dets)	Jdets/A

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

METHOD: GC/MS PCB Congeners (EPA SW 846 Method 8270E)

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method.
Percent recoveries (%R) and Relative percent differences (RPD) were within QC limits with the exceptions identified below.

LCS/LCSD	Analyte	LCS %R	LCSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
119141-BS1/-BS2	PCB 005	68	64	70-130			1-20 (dets+ND)	J/UJ/P
	PCB 031	68	41	70-130				↓
	PCB 194		50	70-130				
	PCB 189				37	30	(dets=5)	Jdets/P
119142-BS1/-BS2	PCB 003	56	57	70-130			21-40 (ND-dets)	J/UJ/P
	PCB 027	57	56	70-130				↓
	PCB 005		65	70-130				
	PCB 008		61	70-130				
119143-BS1/-BS2	PCB 008	65		70-130			41-60 (ND)	J/UJ/P
	PCB 027	69		70-130				↓
	PCB 119	65		70-130				
	PCB 128		153	70-130			dets=41, ~~43~~ 43-60	Jdets/P
	PCB 167		132	70-130			dets=43-46, 49-58, 60	↓
	PCB 177		140	70-130			dets=41-60	
119144-BS1/-BS2	PCB 003	40	66	70-130			61-75 (ND)	J/UJ/P
	PCB 018	66		70-130				↓
	PCB 029	67		70-130				
	PCB 005		69	70-130				
	PCB 027		67	70-130				↓
	PCB 003				49	30		Jdets/P

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: PG

METHOD: GC/MS PCB Congeners (EPA SW 846 Method 8270E)

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method.
Percent recoveries (%R) and Relative percent differences (RPD) were within QC limits with the exceptions identified below.

LCS/LCSD	Analyte	LCS %R	LCSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
119145-CRM1	PCB 008	61		75-125			1-20 (dets+ND)	J/UJ/A
	PCB 074	58		75-125				
	PCB 101	73		75-125				
	PCB 110	68		75-125				
	PCB 149	74		75-125				
	PCB 151	55		75-125				
	PCB 156	74		75-125				
	PCB 158	72		75-125				
	PCB 187	74		75-125				
	PCB 049	131		75-125			(dets=1-4,6-13,15,17)	Jdets/A
	PCB 095	127		75-125			(dets=2-3,7-8,10,14,17)	
	PCB 105	126		75-125			(dets=9-11,17,20)	
	PCB 183	136		75-125			(dets=3,7-8,10,12)	
	PCB 029	0		75-125			(dets+ND)	J/UJ/A
	PCB 114	0		75-125				
	PCB 137	0		75-125				
	PCB 157	0		75-125				
119146-CRM1	PCB 008	0					21-40 (dets+ND)	J/UJ/A
	PCB 029	0						
	PCB 049	67						
	PCB 074	74						
	PCB 099	72						
	PCB 137	0						
	PCB 151	68						
	PCB 157	0						
	PCB 183	0						
	PCB 018	131					(ND	Jdets/A
	PCB 110	136					dets=2-11)	
	PCB 170	140					(dets=22-23)	

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

METHOD: GC/MS PCB Congeners (EPA SW 846 Method 8270E)

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method.
Percent recoveries (%R) and Relative percent differences (RPD) were within QC limits with the exceptions identified below.

LCS/LCSD	Analyte	LCS %R	LCSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
119147-CRM1	PCB 018	64		75-125			41-60 (dets+ND)	J/UJ/A
	PCB 029	0		75-125				
	PCB 101	67		75-125				
	PCB 114	72		75-125				
	PCB 137	0		75-125				
	PCB 149	71		75-125				
	PCB 151	73		75-125				
	PCB 156	68		75-125				
	PCB 157	73		75-125				
	PCB 167	135		75-125			dets=43,46,49,58,60	Jdets/A
	PCB 177	141		75-125			dets=41-60)	
119148-CRM1	PCB 029	0		75-125			61-75 (dets+ND)	J/UJ/A
	PCB 137	0						
	PCB 151	72						

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Internal Standards

Reviewer: PG

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

All internal standard area counts were within -50 to +100% of the associated calibration standard.

The retention times of the internal standards were within +/- 30 seconds of the retention times of the associated calibration standard.

All analytes met validation criteria with the exceptions identified below.

#	Sample ID	Internal Standard	%R	(Limits)	RT (Limits)	Qualifications
	6	2,2',5,5'-Tetrabromobiphenyl	49	50-200		J/UJ/P
	7	2,2',5,5'-Tetrabromobiphenyl	34			J/UJ/P
	8	4,4'-Dibromobiphenyl	36			J/UJ/P (all)
		2,2',5,5'-Tetrabromobiphenyl	27			
	2,2',5,5'-Tetrabromobiphenyl	PCB 105, 132/168, 153,141, 137-138, 126, 187, 183, 128, 167, 174, 177, 156-158, 201, 180, 169-170, 189, 199, 203, 194-195, 206, 209				

LDC #: 60849A Cong

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Reviewer: D

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

All available information pertaining to the data were reviewed for data quality, uncertainty and bias using professional judment to compliment the overall assessment made below.

#	Sample ID	Analyte	Findings	Qualifications
	All	Lab indicated that the raw data could not be regenerated and some of PCBs were		Text
		not be verified.		

Comments:

Method:PCB Congeners

Calibration Date	Analyte	Standard	(X) Concentration	(Y) Area
1/13/2025	PCB 118	1	0.0050	0.0036915
		2	0.0010	0.008149
		3	0.0250	0.0206042
		4	0.0500	0.0411919
		5	0.0750	0.0641053
		6	0.1000	0.0832104
		7	0.2000	0.1671264

Linear through the origin

	calculated	***Reported***
Constant	*0.000000*	0.0000
X Coefficient(s)	*0.83631965*	0.834578
Correlation Coefficient	*0.999316*	
Coefficient of Determination (r^2)	*0.998632*	0.999624

Method:PCB Congeners

Calibration Date	Analyte	Standard	(X) Concentration	(Y) Area
1/13/2025	PCB 167	1	0.0050	0.0111949
		2	0.0010	0.0239196
		3	0.0250	0.0502046
		4	0.0500	0.104555
		5	0.0750	0.1614266
		6	0.1000	0.2110787
		7	0.2000	0.4410514

Linear through the origin

	calculated	***Reported***
Constant	*0.000000*	0.0000
X Coefficient(s)	*2.17755383*	2.157914
Correlation Coefficient	*0.998946*	
Coefficient of Determination (r^2)	*0.997894*	0.998705

LDC #: 60884 QA

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: 9

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV	1/14/25	FQB118 ~~Phenol~~ (1st internal standard)	1.000	56.4	56.4	44	43.6
			FQB167 ~~Naphthalene~~ (2nd internal standard)	↓	74.3	74.3	26	25.7
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					
2			Phenol (1st internal standard)					
			Naphthalene (2nd internal standard)					
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					
3			Phenol (1st internal standard)					
			Naphthalene (2nd internal standard)					
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: ~~60814A~~

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: 9

METHOD: GC/MS BNA (EPA SW 846 Method 8270D~~(SIM)~~)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentation

RPD = | MSC - MSC | * 2/(MSC + MSDC)

MSC = Matrix spike concentration; MSDC = Matrix spike duplicate concentration

MS/MSD samples: T6/T7

Compound	Spike Added (ug/kg)		Sample Concentration (ug/kg)	Spiked Sample Concentration (ug/kg)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	-----	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol											
N-Nitroso-di-n-propylamine											
4-Chloro-3-methylphenol											
Acenaphthene											
Pentachlorophenol											
Pyrene											
~~PCB~~ 118	50	50	0.85J	49.8	40.7	98	98	~~80~~	~~80~~	~~20~~	20
↓ 167	↓	↓	ND	59.7	55.2	119	119	110	110	~~8~~	8

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 60849A

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1
Reviewer: 9

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D~~X~~E)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA) Where: SSC = Spike concentration
SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: 119141-BS1/-BS2

Compound	Spike Added (ug/g)		Spike Concentration (ug/g)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol										
N-Nitroso-di-n-propylamine										
4-Chloro-3-methylphenol										
Acenaphthene										
Pentachlorophenol										
Pyrene										
PCB 118	50	50	43.6	44.9	87	87	98	98	12	12
↓ 167	↓	↓	43.8	46.7	88	88	93	93	6	6

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: ~~608/9A~~

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: [illegible]

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 1, ~~PCB118~~

Conc. = $\frac{(992)(1000)(0.194)(\quad)(\quad)}{(6889)(0.834578)(\quad)(\quad)}$

= 0.339 ng/g

#	Sample ID	Compound	Reported Concentration (ng/g)	Calculated Concentration ng/g	Qualification
	1	PCB 118	0.339	0.339	
	2	167	1.31	1.31	
	3	PCB 118	0.585	0.585	
	4	118	0.667	0.667	
	5		0.368	0.368	
	6		0.411	0.411	
	7	PCB 167	0.355	0.354	
	8	PCB 118	1.18	1.18	

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: 2023 Regional Harbor Monitoring Program

LDC Report Date: May 11, 2025

Parameters: Metals

Validation Level: Level II & IV

Laboratory: Physis Environmental Laboratories, Inc., Anaheim, CA

Sample Delivery Group (SDG): 2307008-026

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date	Level
TS-DP-C1-HH	119153	Tissue	09/06/23	IV
TS-DP-C2-ER	119154	Tissue	09/06/23	IV
SSP-DP-ER	119155	Tissue	08/17/23	IV
WSP-DP-C1-HH	119156	Tissue	08/17/23	IV
WSP-DP-C2-ER	119157	Tissue	08/17/23	IV
CA-DP-HH	119158	Tissue	09/06/23	IV
BSB-DP-HH	119159	Tissue	09/06/23	IV
BSB-DP-ER	119160	Tissue	09/06/23	IV
SSB-OS-C1-HH	119161	Tissue	09/07/23	II
SSB-OS-C1-ER	119162	Tissue	09/07/23	II
SSB-OS-C2-HH	119163	Tissue	09/07/23	II
SSB-OS-C2-ER	119164	Tissue	09/07/23	II
TS-OS-C1-HH	119165	Tissue	09/07/23	II
TS-OS-C2-ER	119166	Tissue	09/07/23	II
SSP-OS-C1-HH	119167	Tissue	08/18/23	II
SSP-OS-C2-ER	119168	Tissue	08/18/23	II
WSP-OS-C1-HH	119169	Tissue	08/18/23	II
WSP-OS-C2-ER	119170	Tissue	08/18/23	II
WSB-OS-HH	119171	Tissue	09/07/23	II
KB-OS-HH	119172	Tissue	09/07/23	II
KB-OS-ER	119173	Tissue	09/07/23	II
SSB-MB-C1-HH	119174	Tissue	08/23/23	II
SSB-MB-C1-ER	119175	Tissue	08/23/23	II
SSB-MB-C2-HH	119176	Tissue	02/12/24	II
SSB-MB-C2-ER	119177	Tissue	02/12/24	II

SSB-MB-C3-HH	119178	Tissue	02/23/24	II
SSB-MB-C3-ER	119179	Tissue	02/23/24	II
SSP-MB-ER	119180	Tissue	08/23/23	II
WSP-MB-HH	119181	Tissue	08/23/23	II
WSP-MB-ER	119182	Tissue	08/23/23	II
CAH-MB-ER	119183	Tissue	08/23/23	II
BSB-MB-ER	119184	Tissue	08/23/23	II
KB-MB-ER	119185	Tissue	08/23/23	II
RR-MB-HH	119186	Tissue	08/23/23	II
TS-MB-C1-HH	119187	Tissue	02/12/24	II
TS-MB-C2-ER	119188	Tissue	02/12/24	II
TS-MB-C3-HH	119189	Tissue	02/23/24	II
TS-MB-C4-ER	119190	Tissue	02/23/24	II
PCM-NSDB-HH	119191	Tissue	09/15/23	II
PCM-NSDB-ER	119192	Tissue	09/15/23	II
SSB-NSDB-C1-HH	119193	Tissue	08/24/23	II
SSB-NSDB-C1-ER	119194	Tissue	08/24/23	II
SSB-NSDB-C2-HH	119195	Tissue	08/24/23	II
SSB-NSDB-C2-ER	119196	Tissue	08/24/23	II
SSB-NSDB-C3-HH	119197	Tissue	01/31/24	II
SSB-NSDB-C3-ER	119198	Tissue	01/31/24	II
JS-NSDB-C1-HH	119199	Tissue	09/15/23	II
JS-NSDB-C1-ER	119200	Tissue	09/15/23	II
JS-NSDB-C2-HH	119201	Tissue	01/31/24	II
TS-NSDB-C1-HH	119202	Tissue	09/15/23	II
TS-NSDB-C1-ER	119203	Tissue	09/15/23	II
TS-NSDB-C2-ER	119204	Tissue	09/15/23	II
CAH-NSDB-HH	119205	Tissue	08/24/23	II
QF-NSDB-ER	119206	Tissue	08/24/23	II
BSB-NSDB-ER	119207	Tissue	08/24/23	II
SSP-SSDB-C1-ER	119208	Tissue	08/25/23	II
SSP-SSDB-C2-ER	119209	Tissue	08/25/23	II
YFC-SSDB-ER	119210	Tissue	08/25/23	II
BC-SSDB-C1-HH	119211	Tissue	08/25/23	II
BC-SSDB-C1-ER	119212	Tissue	08/25/23	II
SSB-SSDB-C1-HH	119213	Tissue	08/24/23	II
SSB-SSDB-C1-ER	119214	Tissue	08/24/23	II
SSB-SSDB-C2-ER	119215	Tissue	08/24/23	II
SSB-SSDB-C3-HH	119216	Tissue	01/29/24	II
SSB-SSDB-C3-ER	119217	Tissue	01/29/24	II
BSB-SSDB-C1-ER	119218	Tissue	08/24/23	II
BSB-SSDB-C2-ER	119219	Tissue	08/25/23	II
PB-SSDB-HH	119220	Tissue	01/29/24	II
TS-SSDB-HH	119221	Tissue	01/29/24	II

TS-SSDB-ER	119222	Tissue	01/29/24	II
RR-SSDB-HH	119223	Tissue	08/24/23	II
SA-SSDB-C1-HH	119224	Tissue	08/25/23	II
SA-SSDB-C2-ER	119225	Tissue	08/25/23	II
SA-SSDB-C3-HH	119226	Tissue	08/25/23	II
SA-SSDB-C4-ER	119227	Tissue	08/25/23	II
TS-DP-C1-HHMS	119153MS	Tissue	09/06/23	II
TS-DP-C1-HHMSD	119153MSD	Tissue	09/06/23	II
TS-DP-C1-HHDUP	119153DUP	Tissue	09/06/23	II
SSB-OS-C2-HHMS	119163MS	Tissue	09/07/23	II
SSB-OS-C2-HHMSD	119163MSD	Tissue	09/07/23	II
SSB-OS-C2-HHDUP	119163DUP	Tissue	09/07/23	II
KB-OS-ERMS	119173MS	Tissue	09/07/23	II
KB-OS-ERMSD	119173MSD	Tissue	09/07/23	II
KB-OS-ERDUP	119173DUP	Tissue	09/07/23	II
CAH-MB-ERMS	119183MS	Tissue	08/23/23	II
CAH-MB-ERMSD	119183MSD	Tissue	08/23/23	II
CAH-MB-ERDUP	119183DUP	Tissue	08/23/23	II
SSB-NSDB-C1-HHMS	119193MS	Tissue	08/24/23	II
SSB-NSDB-C1-HHMSD	119193MSD	Tissue	08/24/23	II
SSB-NSDB-C1-HHDUP	119193DUP	Tissue	08/24/23	II
TS-NSDB-C1-HHMS	119202MS	Tissue	09/15/23	II
TS-NSDB-C1-HHMSD	119202MSD	Tissue	09/15/23	II
TS-NSDB-C1-HHDUP	119202DUP	Tissue	09/15/23	II
BC-SSDB-C1-ERMS	119212MS	Tissue	08/25/23	II
BC-SSDB-C1-ERMSD	119212MSD	Tissue	08/25/23	II
BC-SSDB-C1-ERDUP	119212DUP	Tissue	08/25/23	II
TS-SSDB-ERMS	119222MS	Tissue	01/29/24	II
TS-SSDB-ERMSD	119222MSD	Tissue	01/29/24	II
TS-SSDB-ERDUP	119222DUP	Tissue	01/29/24	II

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Final Quality Assurance Project Plan for 2023 Regional Harbor Monitoring Program (July 2023) and a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Metals by Environmental Protection Agency (EPA) SW 846 Method 6020
Mercury by EPA SW 846 Method 245.7

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary reports. For samples that were subjected to Level IV data validation, QA/QC summary reports and raw data were evaluated to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The reported result was an estimated quantity value.

U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

NJ (Tentatively identified): The analyte has been "tentatively identified" or "presumptively identified" as present, and the associated numerical value was the estimated concentration in the sample.

R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. ICPMS Tune

The mass calibration was within 0.1 AMU and the percent relative standard deviation (%RSD) was less than or equal to 5%.

III. Initial Calibration

All criteria for the initial calibration of each method were met.

IV. Initial and Continuing Calibration Verification

Initial and continuing calibration verification (ICV/CCV) frequency and analysis criteria of each method were met.

V. ICP Interference Check Sample Analysis

The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

VI. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks.

VII. Field Blanks

No field blanks were identified in this SDG.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Laboratory Duplicates

Laboratory duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

X. Serial Dilution

Serial dilution was not performed for this SDG.

XI. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

XII. Field Duplicates

No field duplicates were identified in this SDG.

XIII. Internal Standards (ICP-MS)

All internal standard percent recoveries (%R) were within QC limits.

XIV. Target Analyte Quantitation

All target analyte quantitations were acceptable for samples which underwent Level IV validation. Raw data were not reviewed for Level II validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were rejected in this SDG.

2023 Regional Harbor Monitoring Program
Metals - Data Qualification Summary - SDG 2307008-026

No Sample Data Qualified in this SDG

2023 Regional Harbor Monitoring Program
Metals - Laboratory Blank Data Qualification Summary - SDG 2307008-026

No Sample Data Qualified in this SDG

2023 Regional Harbor Monitoring Program
Metals - Field Blank Data Qualification Summary - SDG 2307008-026

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60849A
SDG #: 2307008-026
Laboratory: Physis Environmental Laboratories, Anaheim, CA

Date: 4/10/2025
Page: 1/3
Reviewer: SG
2nd Reviewer:

Method: Arsenic, Selenium (EPA 6020); Mercury (EPA 245.7)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample Receipt/Technical Holding Time	A/A	
II	ICP/MS Tune	A	
III	Initial Calibration	A	
IV	ICV/Continuing Calibration	A	
V	ICP Interference Check Sample Analysis	A	
VI	Laboratory Blanks	A	
VII	Field Blank	N	
VIII	Matrix Spike/Matrix Spike Duplicate	A	
IX	Laboratory Control Sample	A	LCS/LCSD
X	Laboratory Duplicate	A	
XI	Serial Dilution	N	
XII	Internal Standards (ICP-MS)	A	
XIII	Field Duplicate	N	
XIV	Target Analyte Quantitation	A	
XV	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = Not detected; NQ = Not qualified; FD = Field duplicate; FT = Field triplicate; TB = Trip blank; FB = Field blank; AB= Ambient blank; SB = Source blank; EB = Equipment blank; R = Rinsate

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	TS-DP-C1-HH	119153		Tissue	09/06/2023	Level IV
2	TS-DP-C2-ER	119154		Tissue	09/06/2023	Level IV
3	SSP-DP-ER	119155		Tissue	08/17/2023	Level IV
4	WSP-DP-C1-HH	119156		Tissue	08/17/2023	Level IV
5	WSP-DP-C2-ER	119157		Tissue	08/17/2023	Level IV
6	CA-DP-HH	119158		Tissue	09/06/2023	Level IV
7	BSB-DP-HH	119159		Tissue	09/06/2023	Level IV
8	BSB-DP-ER	119160		Tissue	09/06/2023	Level IV
9	SSB-OS-C1-HH	119161		Tissue	09/07/2023	Level II
10	SSB-OS-C1-ER	119162		Tissue	09/07/2023	Level II
11	SSB-OS-C2-HH	119163		Tissue	09/07/2023	Level II
12	SSB-OS-C2-ER	119164		Tissue	09/07/2023	Level II
13	TS-OS-C1-HH	119165		Tissue	09/07/2023	Level II
14	TS-OS-C2-ER	119166		Tissue	09/07/2023	Level II
15	SSP-OS-C1-HH	119167		Tissue	08/18/2023	Level II
16	SSP-OS-C2-ER	119168		Tissue	08/18/2023	Level II
17	WSP-OS-C1-HH	119169		Tissue	08/18/2023	Level II
18	WSP-OS-C2-ER	119170		Tissue	08/18/2023	Level II
19	WSB-OS-HH	119171		Tissue	09/07/2023	Level II
20	KB-OS-HH	119172		Tissue	09/07/2023	Level II

VALIDATION COMPLETENESS WORKSHEET

LDC#: 60849A
SDG#: 2307008-026

Date: 4/10/2025
Page: 2/13

21	KB-OS-ER	119173		Tissue	09/07/2023	Level II
22	SSB-MB-C1-HH	119174		Tissue	08/23/2023	Level II
23	SSB-MB-C1-ER	119175		Tissue	08/23/2023	Level II
24	SSB-MB-C2-HH	119176		Tissue	02/12/2024	Level II
25	SSB-MB-C2-ER	119177		Tissue	02/12/2024	Level II
26	SSB-MB-C3-HH	119178		Tissue	02/23/2024	Level II
27	SSB-MB-C3-ER	119179		Tissue	02/23/2024	Level II
28	SSP-MB-ER	119180		Tissue	08/23/2023	Level II
29	WSP-MB-HH	119181		Tissue	08/23/2023	Level II
30	WSP-MG-ER	119182		Tissue	08/23/2023	Level II
31	CAH-MB-ER	119183		Tissue	08/23/2023	Level II
32	BSB-MB-ER	119184		Tissue	08/23/2023	Level II
33	KB-MB-ER	119185		Tissue	08/23/2023	Level II
34	RR-MB-HH	119186		Tissue	08/23/2023	Level II
35	TS-MB-C1-HH	119187		Tissue	02/12/2024	Level II
36	TS-MB-C2-ER	119188		Tissue	02/12/2024	Level II
37	TS-MB-C3-HH	119189		Tissue	02/23/2024	Level II
38	TS-MB-C4-ER	119190		Tissue	02/23/2024	Level II
39	PCM-NSDB-HH	119191		Tissue	09/15/2023	Level II
40	PCM-NSDB-ER	119192		Tissue	09/15/2023	Level II
41	SSB-NSDB-C1-HH	119193		Tissue	08/24/2023	Level II
42	SSB-NSDB-C1-ER	119194		Tissue	08/24/2023	Level II
43	SSB-NSDB-C2-HH	119195		Tissue	08/24/2023	Level II
44	SSB-NSDB-C2-ER	119196		Tissue	08/24/2023	Level II
45	SSB-NSDB-C3-HH	119197		Tissue	01/31/2024	Level II
46	SSB-NSDB-C3-ER	119198		Tissue	01/31/2024	Level II
47	JS-NSDB-C1-HH	119199		Tissue	09/15/2023	Level II
48	JS-NSDB-C1-ER	119200		Tissue	09/15/2023	Level II
49	JS-NSDB-C2-HH	119201		Tissue	01/31/2024	Level II
50	TS-NSDB-C1-HH	119202		Tissue	09/15/2023	Level II
51	TS-NSDB-C1-ER	119203		Tissue	09/15/2023	Level II
52	TS-NSDB-C2-ER	119204		Tissue	09/15/2023	Level II
53	CAH-NSDB-HH	119205		Tissue	08/24/2023	Level II
54	QF-NSDB-ER	119206		Tissue	08/24/2023	Level II
55	BSB-NSDB-ER	119207		Tissue	08/24/2023	Level II
56	SSP-SSDB-C1-ER	119208		Tissue	08/25/2023	Level II
57	SSP-SSDB-C2-ER	119209		Tissue	08/25/2023	Level II
58	TFC-SSDB-ER	119210		Tissue	08/25/2023	Level II
59	BC-SSDB-C1-HH	119211		Tissue	08/25/2023	Level II
60	BC-SSDB-C1-ER	119212		Tissue	08/25/2023	Level II
61	SSB-SSDB-C1-HH	119213		Tissue	08/24/2023	Level II
62	SSB-SSDB-C1-ER	119214		Tissue	08/24/2023	Level II
63	SSB-SSDB-C2-ER	119215		Tissue	08/24/2023	Level II
64	SSB-SSDB-C3-HH	119216		Tissue	01/29/2024	Level II
65	SSB-SSDB-C3-ER	119217		Tissue	01/29/2024	Level II
66	BSB-SSDB-C1-ER	119218		Tissue	08/24/2023	Level II
67	BSB-SSDB-C2-ER	119219		Tissue	08/25/2023	Level II
68	PB-SSDB-HH	119220		Tissue	01/29/2024	Level II
69	TS-SSDB-HH	119221		Tissue	01/29/2024	Level II
70	TS-SSDB-ER	119222		Tissue	01/29/2024	Level II
71	RR-SSDB-HH	119223		Tissue	08/24/2023	Level II
72	SA-SSDB-C1-HH	119224		Tissue	08/25/2023	Level II
73	SA-SSDB-C2-ER	119225		Tissue	08/25/2023	Level II

VALIDATION COMPLETENESS WORKSHEET

74	SA-SSDB-C3-HH	119226		Tissue	08/25/2023	Level II
75	SA-SSDB-C4-ER	119227		Tissue	08/25/2023	Level II
76	TS-DP-C1-HHMS	119153MS	MS	Tissue	09/06/2023	Level II
77	TS-DP-C1-HHMSD	119153MSD	MSD	Tissue	09/06/2023	Level II
78	TS-DP-C1-HHDUP	119153DUP	DUP	Tissue	09/06/2023	Level II
79	SSB-OS-C2-HHMS	119163MS	MS	Tissue	09/07/2023	Level II
80	SSB-OS-C2-HHMSD	119163MSD	MSD	Tissue	09/07/2023	Level II
81	SSB-OS-C2-HHDUP	119163DUP	DUP	Tissue	09/07/2023	Level II
82	KB-OS-ERMS	119173MS	MS	Tissue	09/07/2023	Level II
83	KB-OS-ERMSD	119173MSD	MSD	Tissue	09/07/2023	Level II
84	KB-OS-ERDUP	119173DUP	DUP	Tissue	09/07/2023	Level II
85	CAH-MB-ERMS	119183MS	MS	Tissue	08/23/2023	Level II
86	CAH-MB-ERMSD	119183MSD	MSD	Tissue	08/23/2023	Level II
87	CAH-MB-ERDUP	119183DUP	DUP	Tissue	08/23/2023	Level II
88	SSB-NSDB-C1-HHMS	119193MS	MS	Tissue	08/24/2023	Level II
89	SSB-NSDB-C1-HHMSD	119193MSD	MSD	Tissue	08/24/2023	Level II
90	SSB-NSDB-C1-HHDUP	119193DUP	DUP	Tissue	08/24/2023	Level II
91	TS-NSDB-C1-HHMS	119202MS	MS	Tissue	09/15/2023	Level II
92	TS-NSDB-C1-HHMSD	119202MSD	MSD	Tissue	09/15/2023	Level II
93	TS-NSDB-C1-HHDUP	119202DUP	DUP	Tissue	09/15/2023	Level II
94	BC-SSDB-C1-ERMS	119212MS	MS	Tissue	08/25/2023	Level II
95	BC-SSDB-C1-ERMSD	119212MSD	MSD	Tissue	08/25/2023	Level II
96	BC-SSDB-C1-ERDUP	119212DUP	DUP	Tissue	08/25/2023	Level II
97	TS-SSDB-ERMS	119222MS	MS	Tissue	01/29/2024	Level II
98	TS-SSDB-ERMSD	119222MSD	MSD	Tissue	01/29/2024	Level II
99	TS-SSDB-ERDUP	119222DUP	DUP	Tissue	01/29/2024	Level II

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	x			
Were all water samples preserved to a pH of <2.	x			
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?	x			
Were %RSDs of isoptoes in the tuning solution ≤5%?	x			
III./IV. Calibration				
Were all instruments calibrated daily?	x			
Were the proper standards used?	x			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	x			
Were the low level standard checks within 70-130%?	x			
Were all initial calibration correlation coefficients within limits as specifed by the method?	x			
V. Interference Check Sample				
Were the interference check samples performed daily?	x			
Were the AB solution recoveries within 80-120%?	x			
VI. Blanks				
Was a method blank associated with every sample in this SDG?	x			
Was there contamination in the method blanks?		x		
Was there contamination in the initial and continuing calibration blanks?		x		
VII. Field Blanks				
Were field blanks identified in this SDG?			x	
Were target analytes detected in the field blanks?			x	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII./IX. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)	x			
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?	x			
X. Serial Dilution				
Were all percent differences <10%?			x	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			x	
XI. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	x			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	x			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?			x	
Were target analytes detected in the field duplicates?			x	
XIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-120% for EPA Method 200.8) QC limits?	x			
If the recoveries were outside the limits, was a reanalysis performed?	x		X	
XIV. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	x			
Were all soil samples dry weight corrected?	x			
XV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	x			

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
1-75	tissue	245.7	Hg
1-75	tissue	6020	As, Se

Comments:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
An intial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:
%R = (Found/True) x 100 Found = concentration of each analyte measured in the analysis
True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalcuated %R	Reported %R	Acceptable (Y/N)
ICV	ICP-MS	As	97.463	100	97.463	97	Y
CCV	ICP-MS	Se	100.199	100	100.199	100	Y
ICV	CVAA	Hg	972	1000	97.2	97.2	Y
CCV	CVAA	Hg	913	1000	91.3	91.3	Y

ICP-MS Tune	QC Parameter	Mass	Actual	Required
08/22/24 13:28	Mass Axis	89	89.05	± 0.1 amu
08/22/24 13:28	%RSD	7	3.118	≤ 5%

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Percent recoveries (%R) for the laboratory control sample (LCS), matrix spike (MS), and post digestion spike (PDS) were recalculated using the following formula:
%R = (Found/True) x 100
Found = concentration of each analyte measured in the analysis. For the MS calculation, Found = SSR (Spiked Sample Result) - SR (Sample Result)
True = concentration of each analyte in the source
The sample and duplicate relative percent difference (RPD) was recalculated using the following formula:
RPD = (Absolute value(S-D)x 200) / (S+D)
S = Original sample concentration
D = Duplicate sample concentration
The serial dilution percent difference (%D) was recalculated using the following formula.
%D = (Absolute value (I - SDR)) x 100 / (I)
I = Initial sample result
SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalcuated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
119143-BS1	LCS	As	1.98	2	99	99	Y
76	MS	Se	7.465	7.48	99.79946524	100	Y
77	Duplicate	Se	7.225	7.465	3.267528931	3	Y

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Analytes were recalculated and verified using the following equation:
Concentration = (Result from raw data x Final volume x Dilution factor) / (Percent solids x Initial weight)

Sample ID	Analyte	Raw Data (mg/kg)	Dilution	Dry Weight (g)	Wet Weight (g)	Final Volume (mL)	Reported Result (ug/g)	Recalcuated Result (mg/kg)	Acceptable (Y/N)
1	As	1.215	1	2.6757	3.74	50	1.22	1.21586484	Y
2	Hg (ng/L)	250	1	2.0628	4.85	50	0.0303	0.03029862	Y
3	Se	0.424	1	2.3613	4.23	50	0.424	0.42350388	Y
4	As	1.399	1	2.2762	4.39	50	1.4	1.39795327	Y
5	Hg (ng/L)	142	1	2.3329	4.29	50	0.0152	0.01521711	Y
6	Se	0.392	1	2.1054	4.75	50	0.392	0.39202548	Y
7	As	2.417	1	2.1452	4.66	50	2.42	2.41618595	Y
8	Hg (ng/L)	298	1	2.1024	4.76	50	0.0355	0.03543569	Y

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: 2023 Regional Harbor Monitoring Program

LDC Report Date: May 11, 2025

Parameters: Wet Chemistry

Validation Level: Level IV

Laboratory: Physis Environmental Laboratories, Inc., Anaheim, CA

Sample Delivery Group (SDG): 2307008-026

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
TS-DP-C1-HH	119153	Tissue	09/06/23
TS-DP-C2-ER	119154	Tissue	09/06/23
SSP-DP-ER	119155	Tissue	08/17/23
WSP-DP-C1-HH	119156	Tissue	08/17/23
WSP-DP-C2-ER	119157	Tissue	08/17/23
CA-DP-HH	119158	Tissue	09/06/23
BSB-DP-HH	119159	Tissue	09/06/23
BSB-DP-ER	119160	Tissue	09/06/23

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Final Quality Assurance Project Plan for 2023 Regional Harbor Monitoring Program (July 2023) and a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Percent Lipids by Gravimetric Method
Percent Solids by Standard Method 2540B

All sample results were subjected to Stage 4 data validation, which is comprised of the quality assurance and quality control (QA/QC) summary reports as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The reported result was an estimated quantity value.

U (Non-detected): The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

UJ (Non-detected): The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

NJ (Tentatively identified): The analyte has been "tentatively identified" or "presumptively identified" as present, and the associated numerical value was the estimated concentration in the sample.

R (Rejected): The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. Initial Calibration

Initial calibration was not required by the methods.

III. Continuing Calibration

Continuing calibration was not required by the methods.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VII. Laboratory Duplicates

The laboratory has indicated that there were no duplicate (DUP) analyses specified for the samples in this SDG, and therefore duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) were not required by the methods.

IX. Field Duplicates

No field duplicates were identified in this SDG.

X. Target Analyte Quantitation

All target analyte quantitations met validation criteria.

XI. Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were rejected in this SDG.

2023 Regional Harbor Monitoring Program
Wet Chemistry - Data Qualification Summary - SDG 2307008-026

No Sample Data Qualified in this SDG

2023 Regional Harbor Monitoring Program
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG 2307008-026

No Sample Data Qualified in this SDG

2023 Regional Harbor Monitoring Program
Wet Chemistry - Field Blank Data Qualification Summary - SDG 2307008-026

No Sample Data Qualified in this SDG

VALIDATION COMPLETENESS WORKSHEET

LDC #: 60849A
SDG #: 2307008-026
Laboratory: Physis Environmental Laboratories, Anaheim, CA

Date: 4/21/2025
Page: 1/1
Reviewer: SG
2nd Reviewer:

Method: Percent Lipids (Gravimetric); Percent Solids (SM 2540 B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample Receipt/Technical Holding Time	A /A	
II	Initial Calibration	N	Not required
III	ICV/Continuing Calibration	N	Not required
IV	Laboratory Blanks	A	
V	Field Blank	N	
VI	Matrix Spike/Matrix Spike Duplicate	N	
VII	Laboratory Duplicate	N	
VIII	Laboratory Control Sample	N	not required
IX	Field Duplicate	N	
X	Target Analyte Quantitation	A	
XI	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = Not detected; NQ = Not qualified; FD = Field duplicate; FT = Field triplicate; TB = Trip blank; FB = Field blank; AB= Ambient blank; SB = Source blank; EB = Equipment blank; R = Rinsate

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	TS-DP-C1-HH	119153		Tissue	09/06/2023	Level IV
2	TS-DP-C2-ER	119154		Tissue	09/06/2023	Level IV
3	SSP-DP-ER	119155		Tissue	08/17/2023	Level IV
4	WSP-DP-C1-HH	119156		Tissue	08/17/2023	Level IV
5	WSP-DP-C2-ER	119157		Tissue	08/17/2023	Level IV
6	CA-DP-HH	119158		Tissue	09/06/2023	Level IV
7	BSB-DP-HH	119159		Tissue	09/06/2023	Level IV
8	BSB-DP-ER	119160		Tissue	09/06/2023	Level IV

Notes:

METHOD: Inorganics				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	x			
II./III. Calibration				
Were all instruments calibrated at the required frequency?			x	
Were the proper number of standards used?			x	
Were all initial and continuing calibration verifications within the QC limits?			x	
Were all initial calibration correlation coefficients within limits as specifed by the method?			x	
Were balance checks performed as required?	x			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	x			
Was there contamination in the method blanks?		x		
Was there contamination in the initial and continuing calibration blanks?			x	
V. Field Blanks				
Were field blanks identified in this SDG?			x	
Were target analytes detected in the field blanks?			x	
VI./VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			x	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			x	
VIII. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?			x	
Were the LCS recoveries and RPDs (if applicable) within QC limits?			x	

IX. Field Duplicates				
Were field duplicates identifed in this SDG?			x	
Were target analytes detected in the field duplicates?			x	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	x			
Were all soil samples dry weight corrected?	x			
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	x			

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1-8	% Lipids, % Solids

METHOD: Inorganics

Analytes were recalculated and verified using the following equation:

% Solids = (Final Mass / Initial Mass) x100

Sample ID	Analyte	Initial Mass (g)	Final Mass (g)	Pan Tare (g)	Reported Result (%)	Recalculated Result (%)	Acceptable (Y/N)
1	% Lipids	5.144	0.08115	2.1223	1.58	1.577566096	Y
2	% Lipids	5.1295	0.09195	2.0948	1.78	1.792572375	Y
3	% Lipids	5.053	0.1126	2.045	2.23	2.228379181	Y
4	% Lipids	5.173	0.15765	2.0906	3.05	3.04755461	Y
5	% Solids	8.1824	2.6284	1.0056	22.6	22.61174897	Y
6	% Solids	9.5151	2.7655	0.9835	20.9	20.88705518	Y
7	% Solids	5.7674	2.0242	0.9847	21.7	21.73458507	Y
8	% Solids	9.4396	3.2509	1.0009	26.7	26.66287461	Y

APPENDIX G

INITIAL WILDLIFE RISK-BASED SCREENING LEVELS FOR CONTAMINANTS IN TISSUES OF AQUATIC BIOTA IN THE SAN DIEGO REGION

DRAFT - JUNE 3, 2016 (CTZ)
Initial Wildlife Risk-Based Screening Levels for Contaminants in Tissue of Aquatic Biota - San Diego Bay Bioaccumulation Study

MERCURY

Receptor category	waterfowl	small piscivore	large piscivore	large piscivore	generalist
Feeding guild	bottom inverts	pelagic/surface	pelagic/demersal	Pelagic/demersal/bottom fish	aquatic/terrestrial
Representative	Surf scoter	CA. least tern	Caspian tern	Double-crested cormorant	Western gull
Generic Screening value (type)	Generic Screening value (concentrations as ugHg/kgdiet ww)				
NOAEC - screening (all species)	12.8	4.9	9.2	13.5	25.2
LOAEC - screening (most sensitive)	32.1	12.3	23.0	33.7	62.9
LOAEC - screening (mid-range)	577	221	415	606	1132

DDTs

Receptor category	waterfowl	small piscivore	large piscivore	large piscivore	generalist
Feeding guild	bottom inverts	pelagic/surface	pelagic/demersal	Pelagic/demersal/bottom fish	aquatic/terrestrial
Representative	Surf scoter	CA. least tern	Caspian tern	Double-crested cormorant	Western gull
Generic Screening value (type)	Generic Screening value (concentrations as ugDDT/kgdiet ww)				
NOAEC - screening (most sensitive)	29	11	21	30	57
LOAEC - screening (most sensitive)	87	33	62	91	170

tPCBs

Receptor category	waterfowl	small piscivore	large piscivore	large piscivore	generalist
Feeding guild	bottom inverts	pelagic/surface	pelagic/demersal	Pelagic/demersal/bottom fish	aquatic/terrestrial
Representative	Surf scoter	CA. least tern	Caspian tern	Double-crested cormorant	Western gull
Generic Screening value (type)	Generic Screening value (concentrations) as ugtPCBs/kgdiet ww				
NOAEC - screening (most sensitive)	288	110	207	303	566
LOAEC - screening (mid-range)	4,071	1,556	2,926	4,276	7,987

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PCB TEQs

Receptor category	waterfowl	small piscivore	large piscivore	large piscivore	generalist
Feeding guild	bottom inverts	pelagic/surface	pelagic/demersal	Pelagic/demersal/bottom fish	aquatic/terrestrial
Representative	Surf scoter	CA. least tern	Caspian tern	Double-crested cormorant	Western gull
Generic Screening value (type)	Generic Screening value (concentrations) as ugTEQ/kgdiet ww				
NOAEC - screening (most sensitive)	0.0035	0.0014	0.0025	0.0037	0.0069
LOAEC - screening (lowest, except most sensitive)	0.1587	0.0607	0.1141	0.1667	0.3113

PBDEs

Receptor category	waterfowl	small piscivore	large piscivore	large piscivore	generalist
Feeding guild	bottom inverts	pelagic/surface	pelagic/demersal	Pelagic/demersal/bottom fish	aquatic/terrestrial
Representative	Surf scoter	CA. least tern	Caspian tern	Double-crested cormorant	Western gull
Generic Screening value (type)	Generic Screening value (concentrations) as ugPBDEs/kgdiet ww				
NOAEC - screening (sensitive)	31	12	22	32	60
LOAEC - screening (sensitive)	308	118	221	323	604

Chlordanes

Receptor category	waterfowl	small piscivore	large piscivore	large piscivore	generalist
Feeding guild	bottom inverts	pelagic/surface	pelagic/demersal	Pelagic/demersal/bottom fish	aquatic/terrestrial
Representative	Surf scoter	CA. least tern	Caspian tern	Double-crested cormorant	Western gull
Generic Screening value (type)	Generic Screening value (concentrations) as ugPBDEs/kgdiet ww				
NOAEC - screening (sensitive)	513	196	369	539	1,006
LOAEC - screening (sensitive)	22,436	8,578	16,129	23,569	44,025

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LPAHs

Receptor category	waterfowl	small piscivore	large piscivore	large piscivore	generalist
Feeding guild	bottom inverts	pelagic/surface	pelagic/demersal	Pelagic/demersal/bottom fish	aquatic/terrestrial
Representative	Surf scoter	CA. least tern	Caspian tern	Double-crested cormorant	Western gull
Generic Screening value (type)	Generic Screening value (concentrations) as ugLPAHss/kgdiet ww				
NOAEC - screening (one species)	946	362	680	993	1,855
LOAEC - screening (one species)	15,160	5,797	10,899	15,926	29,748

HPAHs

Receptor category	waterfowl	small piscivore	large piscivore	large piscivore	generalist
Feeding guild	bottom inverts	pelagic/surface	pelagic/demersal	Pelagic/demersal/bottom fish	aquatic/terrestrial
Representative	Surf scoter	CA. least tern	Caspian tern	Double-crested cormorant	Western gull
Generic Screening value (type)	Generic Screening value (concentrations) as ugHPAHss/kgdiet ww				
NOAEC - screening (one species)	46	18	33	48	90
LOAEC - screening (one species)	4,583	1,752	3,295	4,815	8,994

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Initial Wildlife Risk-Based Screening Levels for Contaminants in Tissue of Aquatic Biota - San Diego Bay Bioaccumulation Study

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Sources of TRVs for calculating NOAECs and LOAECs

Mercury (NOAEC all spp)	Zhang et al 2013
Mercury (NOAEC less sensitive spp, seabirds)	USFWS 2003
Mercury (LOAEC all spp)	Zhang et al 2013
DDTs (NOAEC most sensitive)	DTSC/HERD 2009
DDTs (LOAEC most sensitive)	EPA 1995
tPCBs (NOAEC most sensitive)	DTSC/HERD 2009
tPCBs (LOAEC mid-range)	DTSC/HERD 2009
PCB-TEQ (NOAEC most sensitive)	Su et al 2014
PCB-TEQ (LOAEC all - excl most sensitive)	Su et al 2014
PBDE (NOAEC most sensitive*)	Fernie et al. 2009
PBDE (LOAEC most sensitive*)	Fernie et al. 2009
Chlordanes (NOAEC sensitive species)**	Stickel et al 1983
Chlordanes (NOAEC sensitive species)**	Stickel et al 1983
LPAHs (NOAEC - Japanese quail)	Klasing 2007
LPAHs (LOAEC - Japanese quail)	Klasing 2007
HPAHs (NOAEC - pigeons)	Hough et al 1993
LPAHs (NOAEC - pigeons)	Hough et al 1993

Fernie, K.J., J.L. Schutt, R.J. Lechter, I.J. Ritchie and D.M. Bird. 2009. Environmentally relevant concentrations of DE-71 and HBCD alter eggshell thickness and reproductive success of American kestrels. Environ. Sci. Technol. 43(6):2124-2130.

U. S. Environmental Protection Agency (USEPA). 1995. Great Lakes water quality initiative criteria documents for the protection of wildlife - DDT, Mercury, 2,3,7,8-TCDD and PCBs. EPA-820-B-95-008. U.S. Environmental Protection Agency, Office of Water, Washington, D.C. 82 pp.

Stickel, L.F., S.N. Wiemeyer, and L.J. Blus. 1973. Pesticide residues in eggs of wild birds: Adjustments for loss of moisture and lipid. Bull. Environ. Contam. Toxicol. 9:193-196.